

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008086.D
 Acq On : 08 Jan 2019 15:36
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:41 AM

Quant Time: Jan 09 03:56:58 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	77928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	142342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	10028	11.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.10%	
35) Dibromofluoromethane	7.88	113	8412	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
50) Toluene-d8	10.32	98	36800	10.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.74%	
62) 4-Bromofluorobenzene	12.62	95	13596	10.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	7032	10.218	ug/l	88
3) Chloromethane	2.21	50	9295	16.294	ug/l	93
4) Vinyl Chloride	2.37	62	11758	15.846	ug/l	100
5) Bromomethane	2.79	94	8298	17.204	ug/l	99
6) Chloroethane	2.93	64	8030	19.484	ug/l	97
7) Trichlorofluoromethane	3.26	101	9101	12.734	ug/l	97
8) Diethyl Ether	3.68	74	5377	14.349	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9447	11.564	ug/l	93
10) Methyl Iodide	4.27	142	13031	10.029	ug/l	97
11) Tert butyl alcohol	5.26	59	3925m	68.943	ug/l	
12) 1,1-Dichloroethene	4.04	96	9096	11.509	ug/l	92
13) Acrolein	3.89	56	2643	62.788	ug/l	97
14) Allyl chloride	4.67	41	16172	14.248	ug/l	96
15) Acrylonitrile	5.38	53	10337	75.054	ug/l	98
16) Acetone	4.15	43	10972	79.391	ug/l	93
17) Carbon Disulfide	4.37	76	26960	11.147	ug/l	100
18) Methyl Acetate	4.68	43	5420	14.316	ug/l #	76
19) Methyl tert-butyl Ether	5.43	73	15504	12.450	ug/l	95
20) Methylene Chloride	4.91	84	11752	12.673	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	10083	11.736	ug/l	95
22) Diisopropyl ether	6.31	45	31408	15.291	ug/l	96
23) Vinyl Acetate	6.26	43	81092	71.474	ug/l	99
24) 1,1-Dichloroethane	6.21	63	18512	12.766	ug/l	99
25) 2-Butanone	7.18	43	13239	78.429	ug/l	91
26) 2,2-Dichloropropane	7.16	77	13270	11.479	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	11009	11.998	ug/l	98
28) Bromochloromethane	7.51	49	7484	15.184	ug/l	99
29) Tetrahydrofuran	7.54	42	9126	85.023	ug/l	98
30) Chloroform	7.68	83	17758	11.201	ug/l	94
31) Cyclohexane	7.96	56	19755	14.187	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	15249	10.236	ug/l	98
36) 1,1-Dichloropropene	8.08	75	14712	10.557	ug/l	98
37) Ethyl Acetate	7.26	43	5909	13.297	ug/l #	91
38) Carbon Tetrachloride	8.07	117	13533	8.435	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18781	10.754	ug/l	97
40) Benzene	8.32	78	41032	11.075	ug/l	94
41) Methacrylonitrile	7.49	41	3984	15.631	ug/l	90
42) 1,2-Dichloroethane	8.40	62	11759	9.799	ug/l	99
43) Isopropyl Acetate	8.42	43	12469	14.197	ug/l	97
44) Trichloroethene	9.10	130	10292	9.662	ug/l	93
45) 1,2-Dichloropropane	9.37	63	10177	12.384	ug/l	96
46) Dibromomethane	9.46	93	5017	10.804	ug/l	97
47) Bromodichloromethane	9.64	83	12404	9.621	ug/l	97
48) Methyl methacrylate	9.44	41	5705	12.860	ug/l	97
49) 1,4-Dioxane	9.46	88	1576	226.654	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	30336	73.597	ug/l	97
52) Toluene	10.39	92	25825	10.574	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	12857	10.239	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	15119	10.690	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	7413	11.757	ug/l	97
56) Ethyl methacrylate	10.65	69	7864	10.753	ug/l	94
57) 1,3-Dichloropropane	10.93	76	13252	12.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	20683	57.917	ug/l	100
59) 2-Hexanone	10.97	43	19518	68.810	ug/l	97
60) Dibromochloromethane	11.13	129	7093	8.411	ug/l	98
61) 1,2-Dibromoethane	11.24	107	6733	10.665	ug/l	96
64) Tetrachloroethene	10.86	164	7916	9.267	ug/l	99
65) Chlorobenzene	11.66	112	27788	10.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	8517	8.869	ug/l	96
67) Ethyl Benzene	11.73	91	50690	10.554	ug/l	99
68) m/p-Xylenes	11.84	106	38352	20.708	ug/l	99
69) o-Xylene	12.17	106	17585	10.209	ug/l	96
70) Styrene	12.18	104	26978	9.633	ug/l	100
71) Bromoform	12.35	173	3591	8.105	ug/l #	91
73) Isopropylbenzene	12.47	105	48713	10.171	ug/l	99
74) N-amyl acetate	12.27	43	10349	12.989	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	8127	12.863	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	4480m	9.113	ug/l	
77) Bromobenzene	12.75	156	10070	9.868	ug/l	99
78) n-propylbenzene	12.81	91	60200	10.721	ug/l	100
79) 2-Chlorotoluene	12.90	91	34320	10.649	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	40224	9.827	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2447	11.694	ug/l	89
82) 4-Chlorotoluene	12.99	91	36320	10.606	ug/l	99
83) tert-Butylbenzene	13.21	119	35632	9.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	42387	10.174	ug/l	96
85) sec-Butylbenzene	13.39	105	52175	10.455	ug/l	100
86) p-Isopropyltoluene	13.51	119	44685	9.983	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	20382	9.817	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	21770	10.569	ug/l	97
89) n-Butylbenzene	13.83	91	45059	10.894	ug/l	98
90) Hexachloroethane	14.10	117	7010	9.054	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	18576	10.165	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1320	10.619	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	11633	9.226	ug/l	98
94) Hexachlorobutadiene	15.24	225	5982	8.277	ug/l	95
95) Naphthalene	15.37	128	21742	9.948	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	10087	9.615	ug/l	99

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

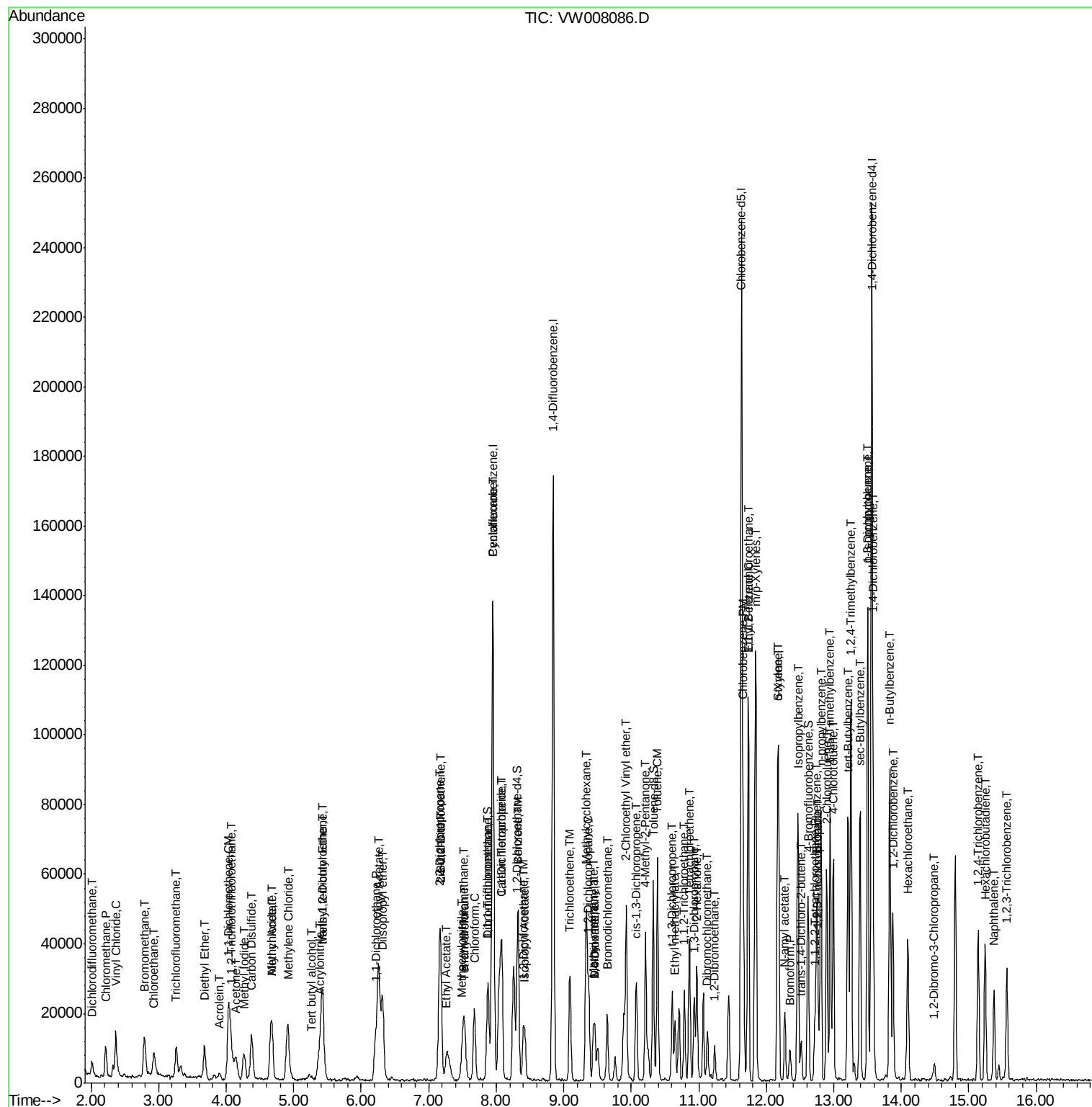
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
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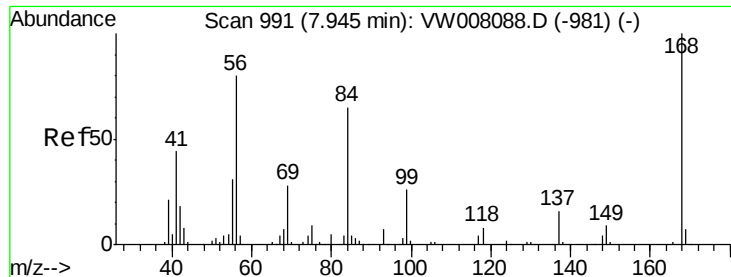
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 77928

Ion Ratio Lower Upper

168 100

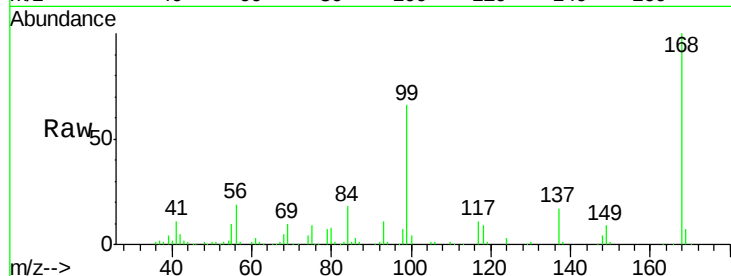
99 65.6 52.6 78.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

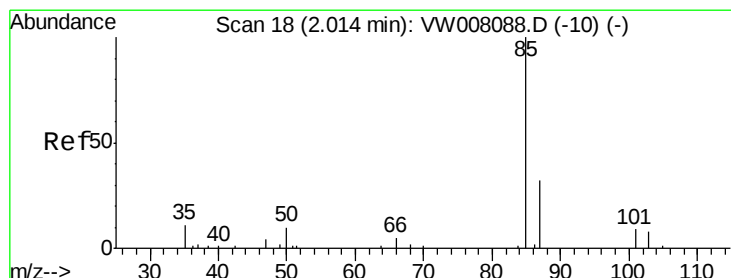
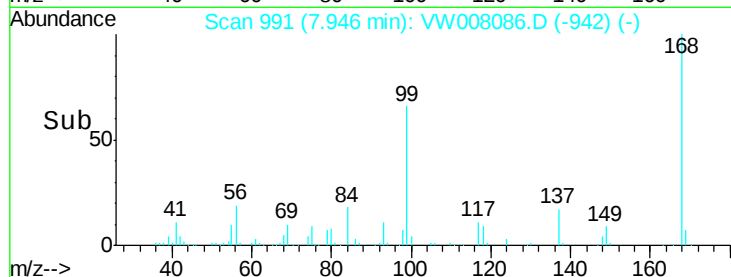
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.218 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008086.D

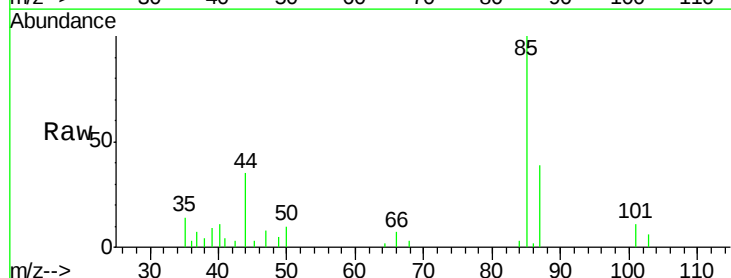
Acq: 08 Jan 2019 15:36

Tgt Ion: 85 Resp: 7032

Ion Ratio Lower Upper

85 100

87 39.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2500

2000

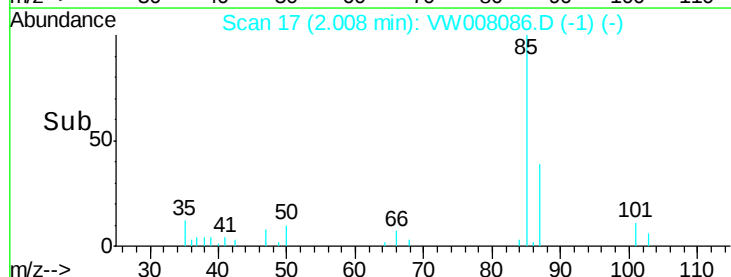
1500

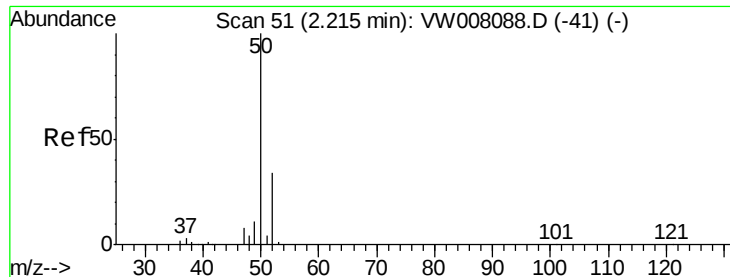
1000

500

0

Time-->





#3

Chloromethane

Concen: 16.294 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 9295

Ion Ratio Lower Upper

50 100

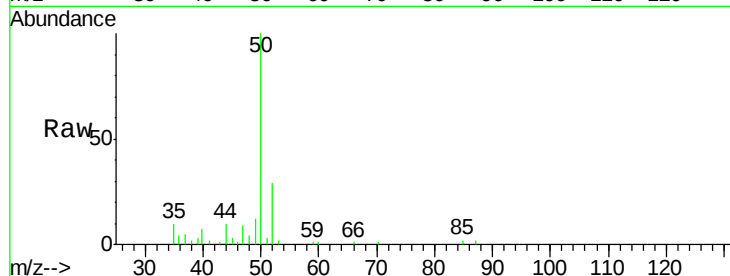
52 29.4 26.8 40.2

Manual Integrations

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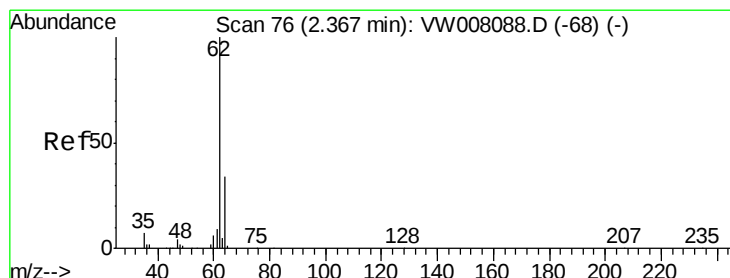
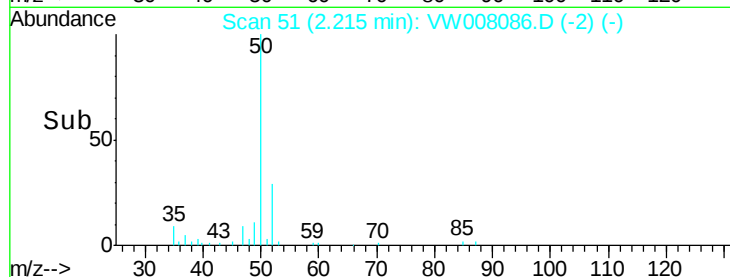
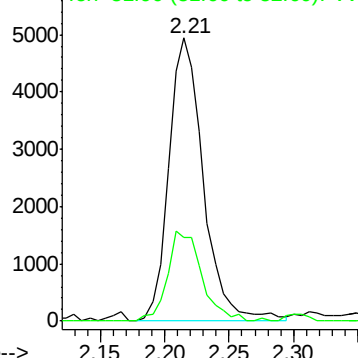
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 15.846 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008086.D

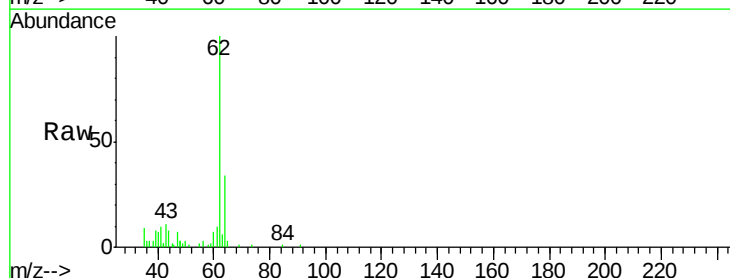
Acq: 08 Jan 2019 15:36

Tgt Ion: 62 Resp: 11758

Ion Ratio Lower Upper

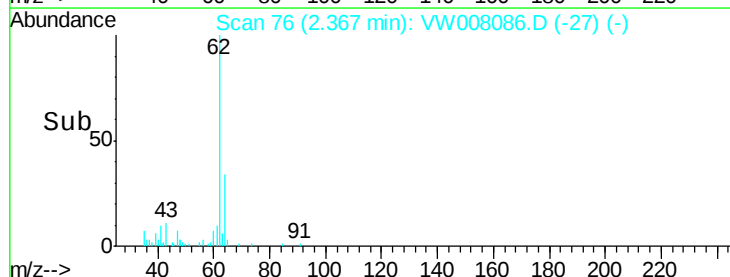
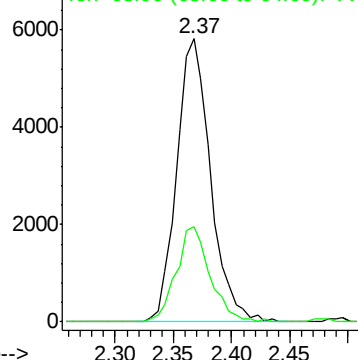
62 100

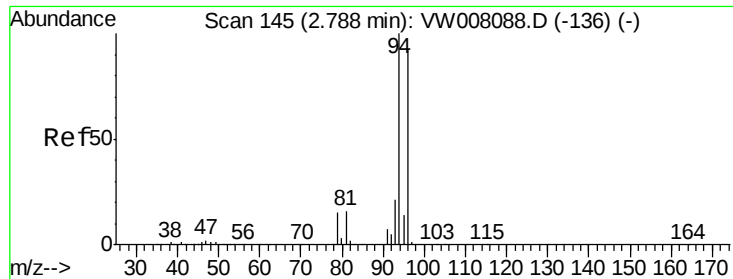
64 33.8 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 17.204 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 8298

Ion Ratio Lower Upper

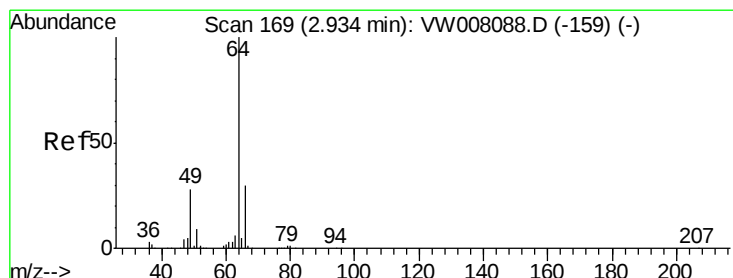
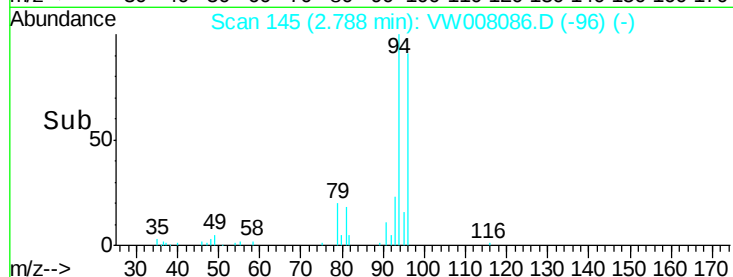
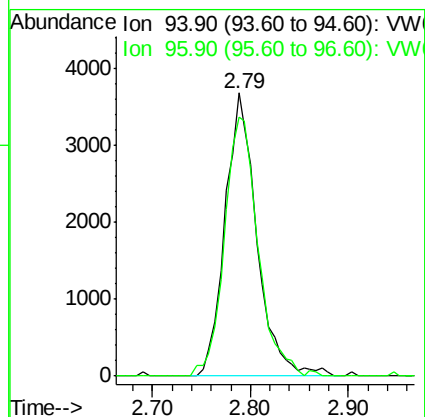
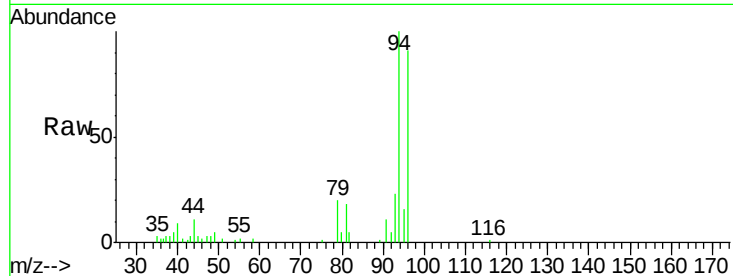
94 100

96 91.5 74.1 111.1

Manual Integrations
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#6

Chloroethane

Concen: 19.484 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008086.D

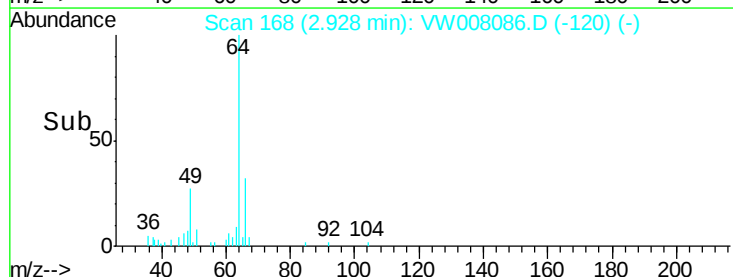
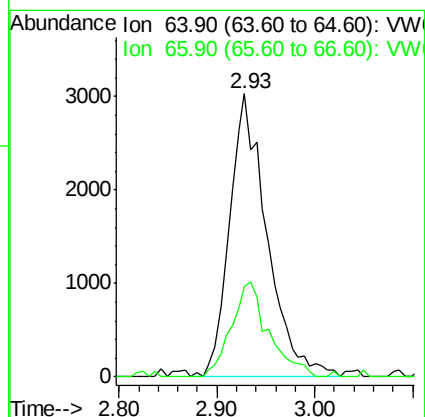
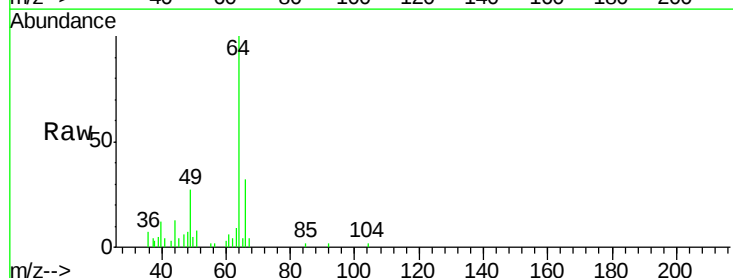
Acq: 08 Jan 2019 15:36

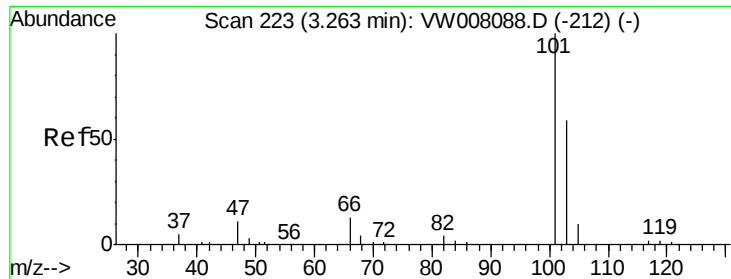
Tgt Ion: 64 Resp: 8030

Ion Ratio Lower Upper

64 100

66 32.0 24.2 36.2





#7

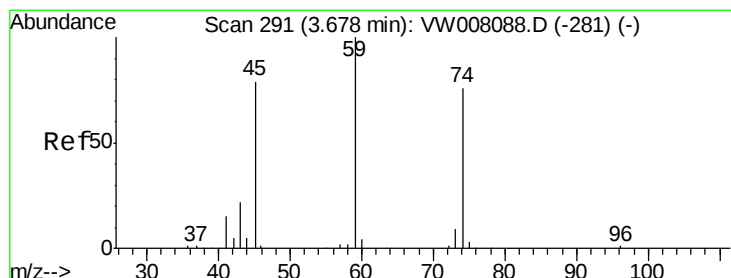
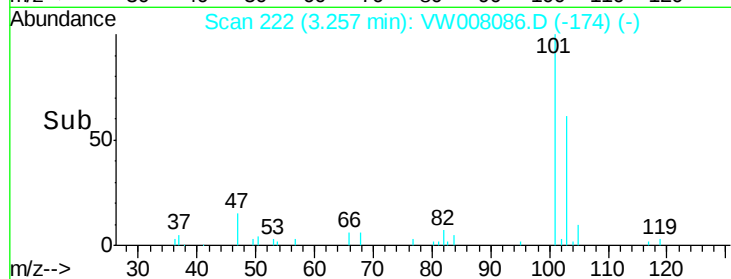
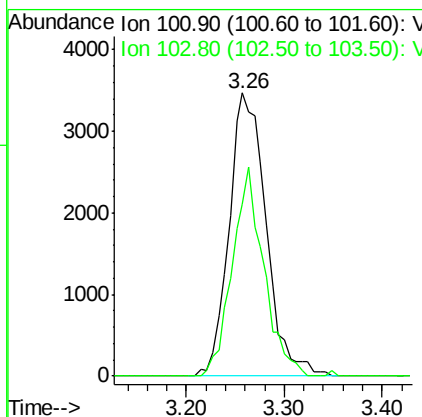
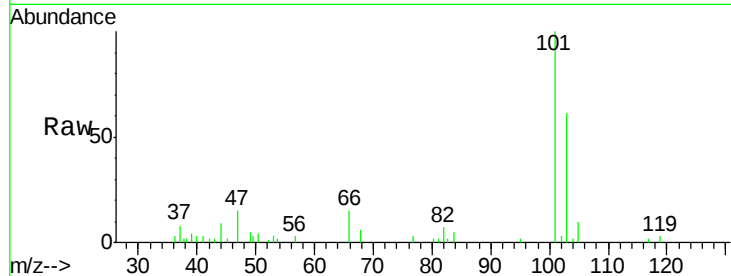
Trichlorofluoromethane
 Concen: 12.734 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008086.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	47.0	70.6

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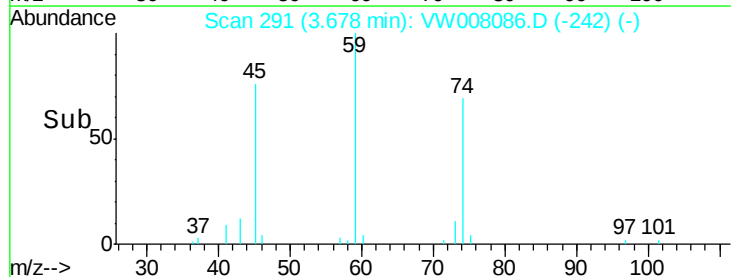
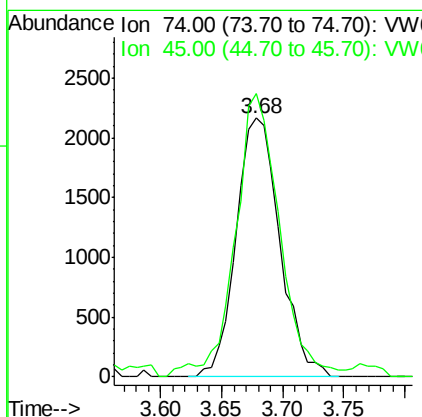
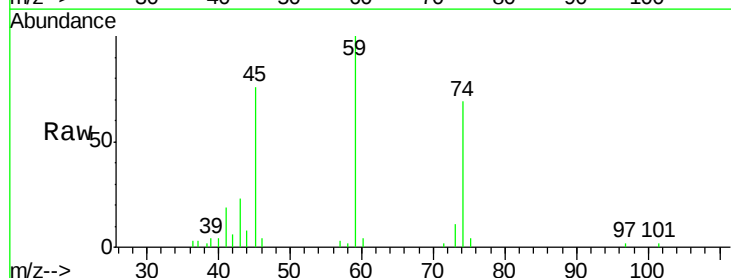
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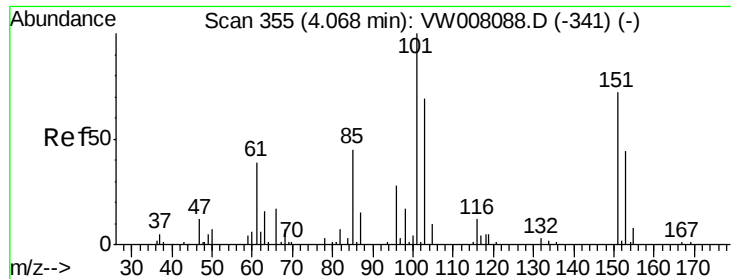


#8

Diethyl Ether
 Concen: 14.349 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008086.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.7	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.564 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW008086.D

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MSVOA_W

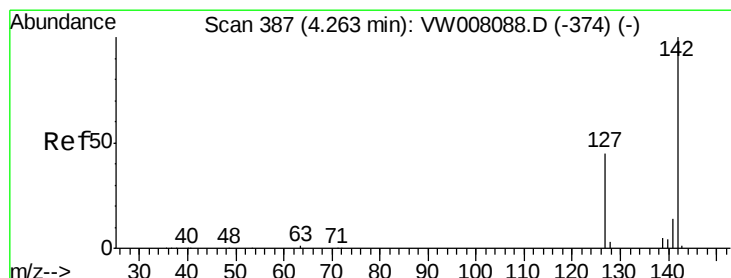
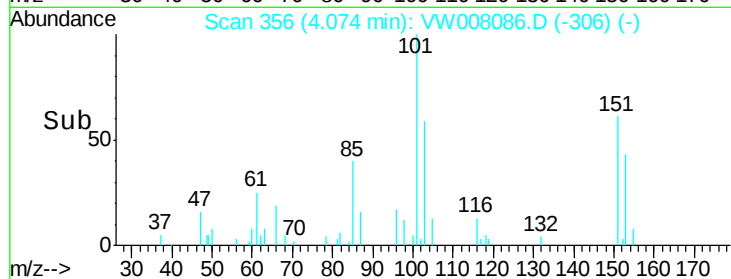
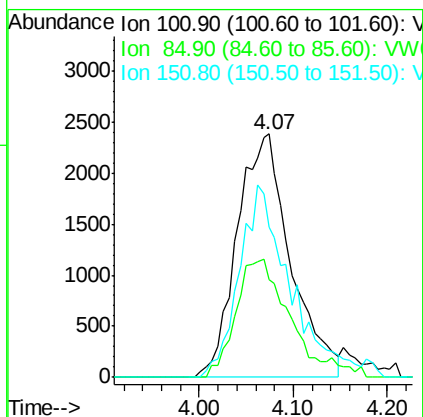
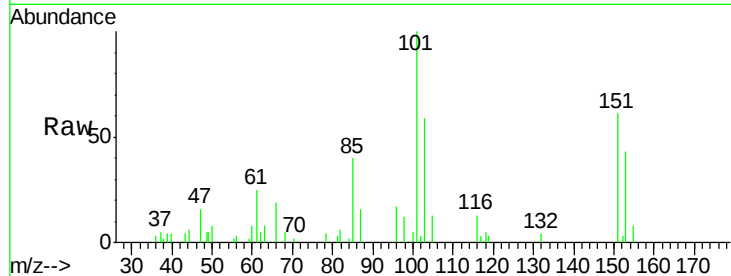
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	9447
Ion Ratio	Lower	Upper	
101	100		
85	49.5	35.9	53.9
151	75.2	55.8	83.8

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#10

Methyl Iodide

Concen: 10.029 ug/l

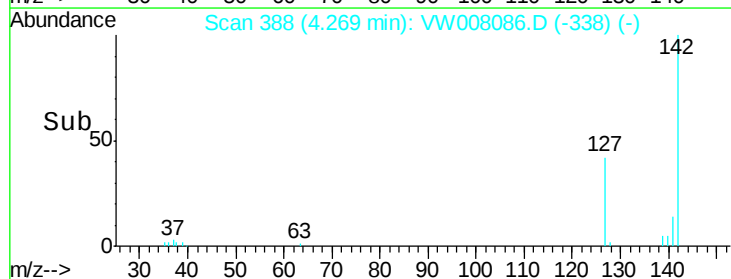
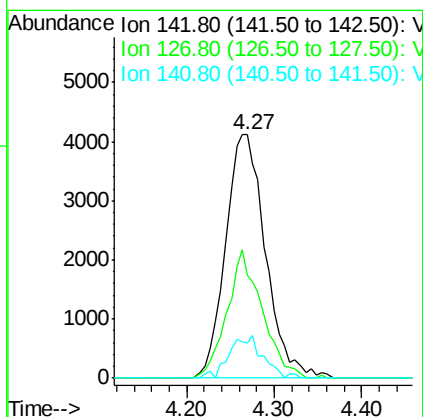
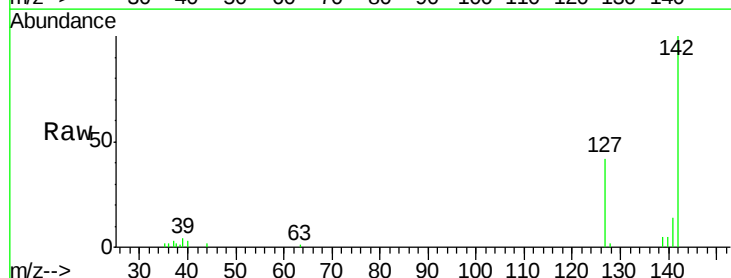
RT: 4.27 min Scan# 388

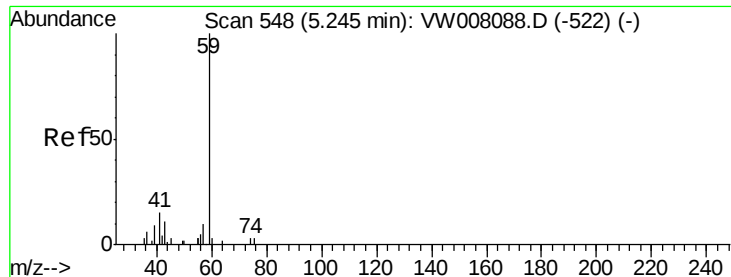
Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion:	142	Resp:	13031
Ion Ratio	Lower	Upper	
142	100		
127	46.3	35.0	52.4
141	14.3	11.8	17.6





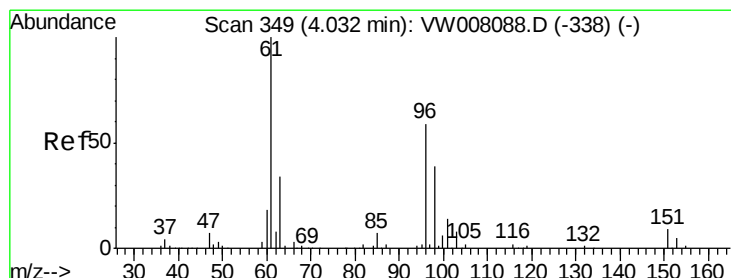
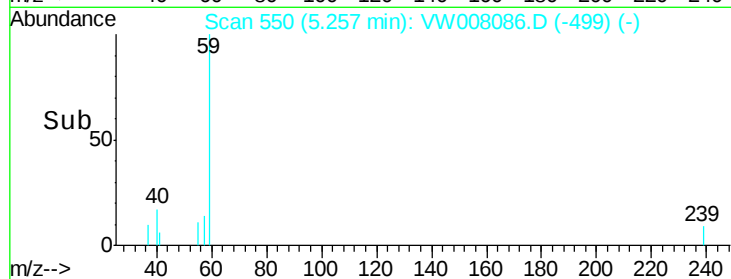
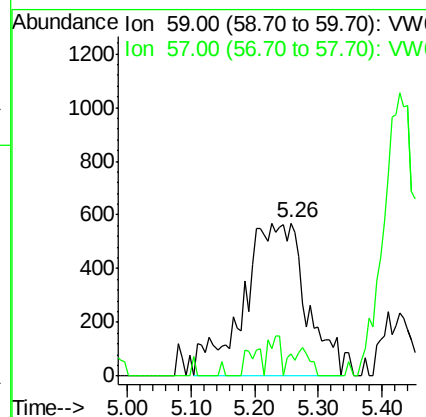
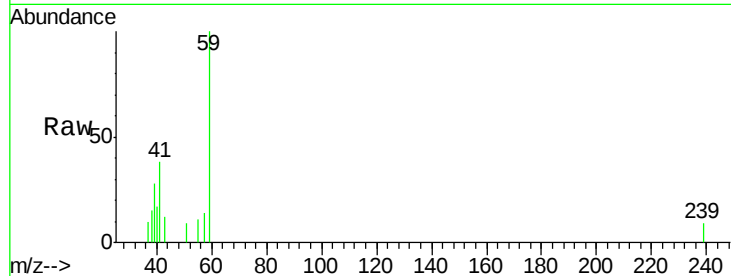
#11
Tert butyl alcohol
Concen: 68.943 ug/l m
RT: 5.26 min Scan# 550
Delta R.T. 0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
59	100	3925		
57	0.0	0.0	0.0	0.0

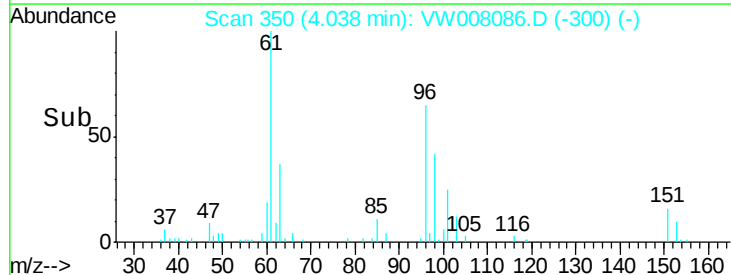
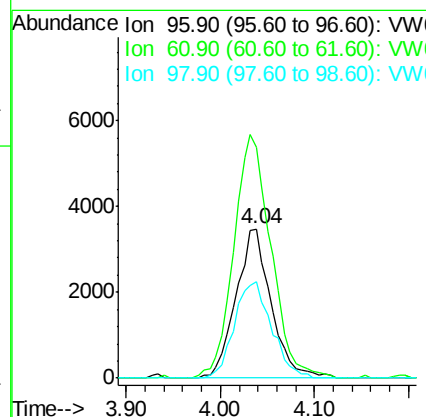
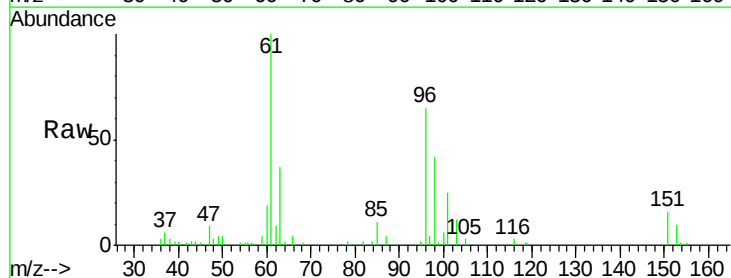
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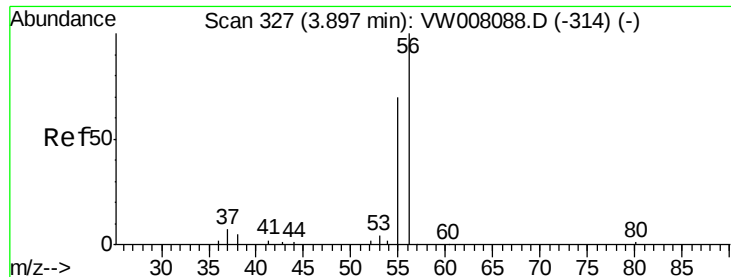
MMDadoda
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#12
1,1-Dichloroethene
Concen: 11.509 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	9096		
61	154.5	135.4	203.2	
98	64.6	52.5	78.7	





#13

Acrolein

Concen: 62.788 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 2643

Ion Ratio Lower Upper

56 100

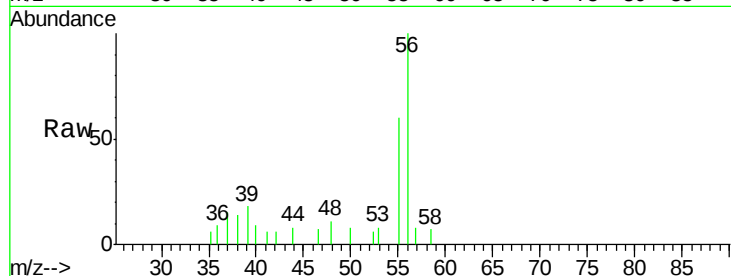
55 67.9 56.6 84.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

800

600

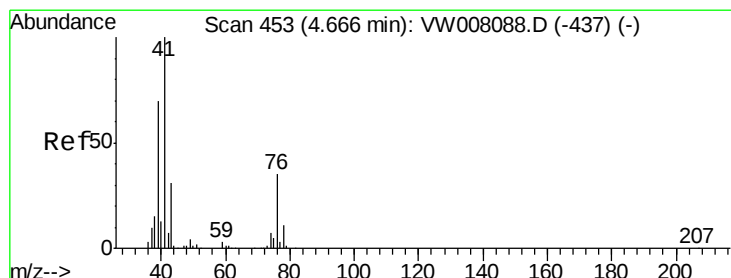
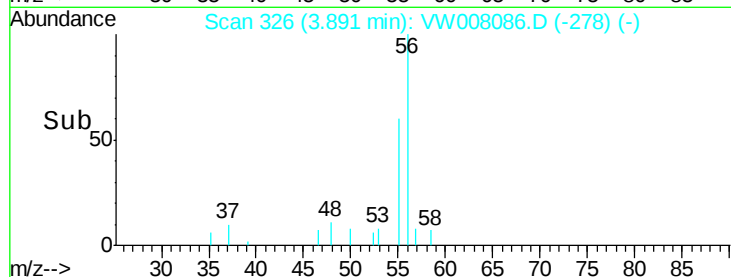
400

200

0

3.80 3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 14.248 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

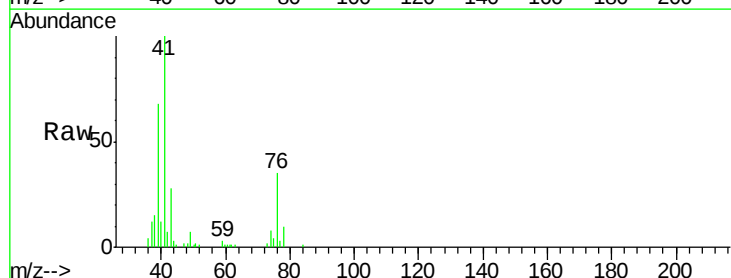
Tgt Ion: 41 Resp: 16172

Ion Ratio Lower Upper

41 100

39 71.2 53.8 80.8

76 35.1 27.6 41.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

6000

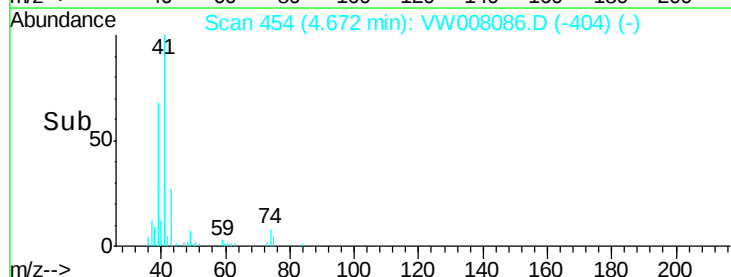
4000

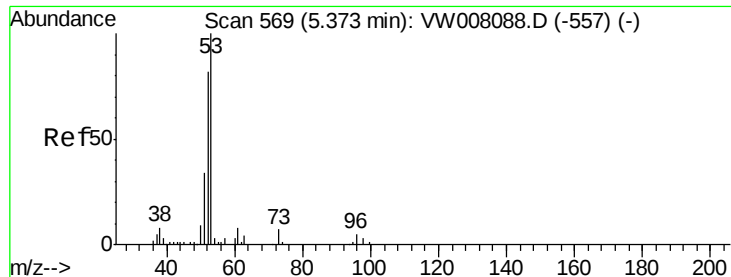
2000

0

4.60 4.70

Time-->





#15

Acrylonitrile

Concen: 75.054 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

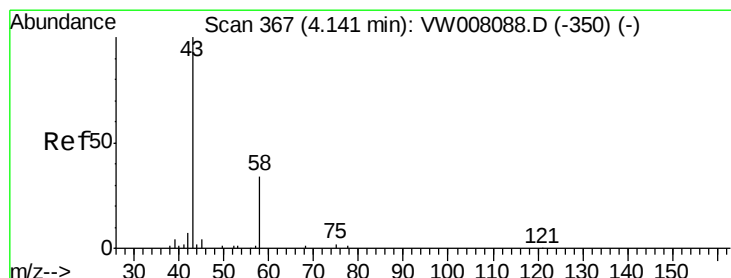
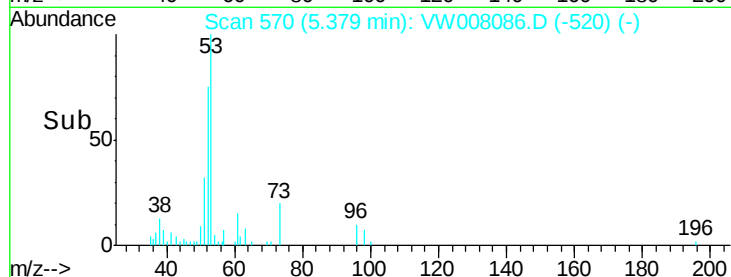
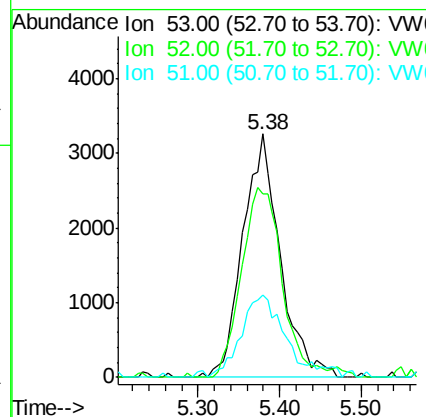
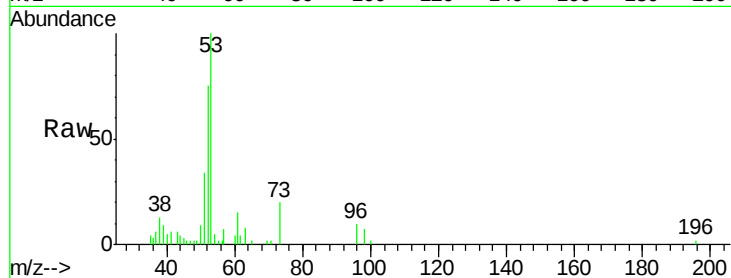
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	10337
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.8	100.2
51	39.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 79.391 ug/l

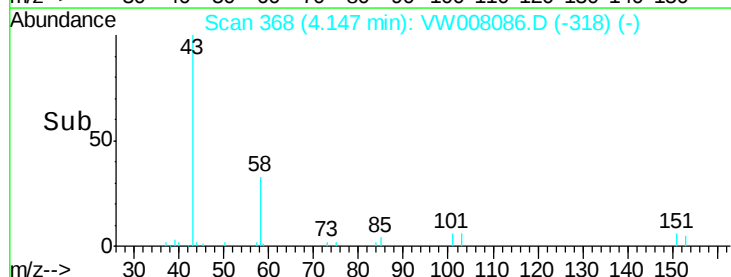
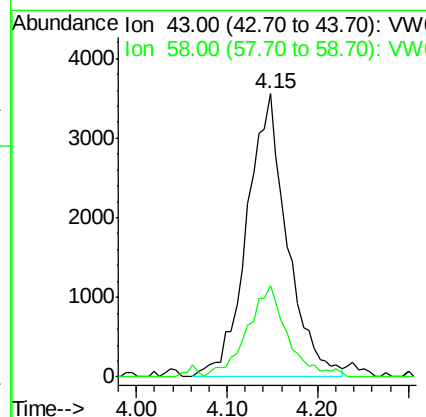
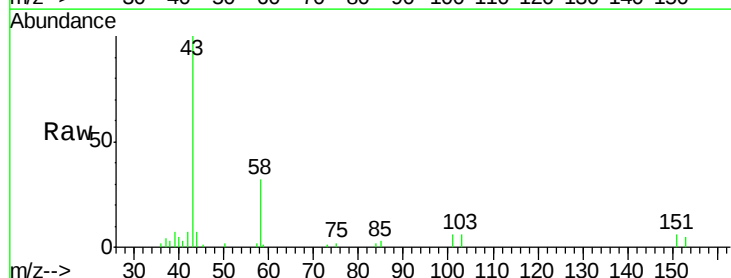
RT: 4.15 min Scan# 368

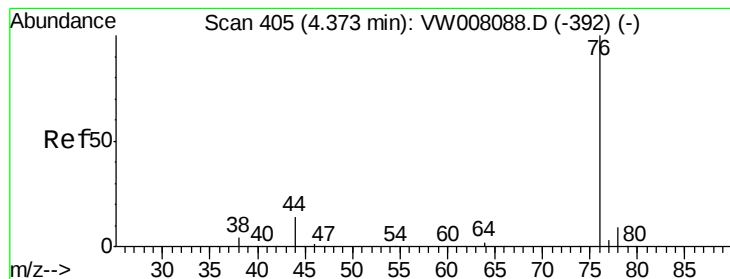
Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion:	43	Resp:	10972
Ion	Ratio	Lower	Upper
43	100		
58	30.4	27.5	41.3





#17

Carbon Disulfide

Concen: 11.147 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 26960

Ion Ratio Lower Upper

76 100

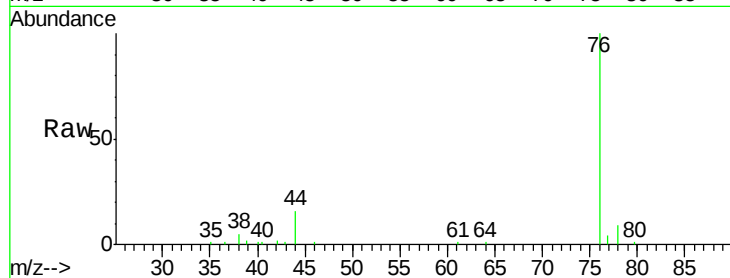
78 8.9 7.0 10.6

Manual Integrations

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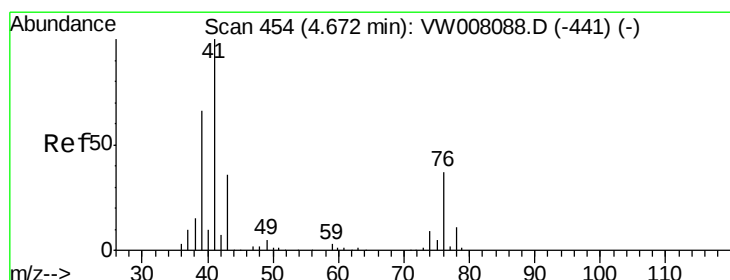
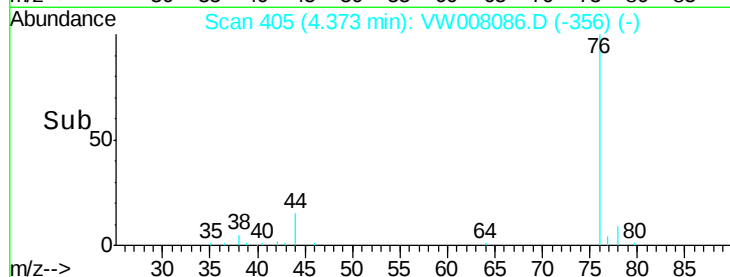
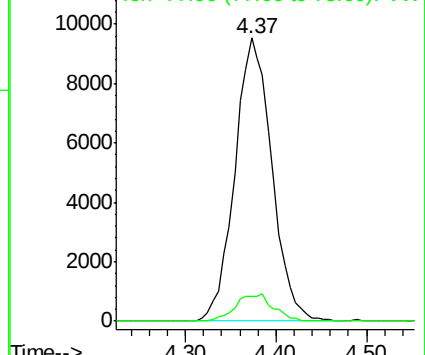
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 14.316 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008086.D

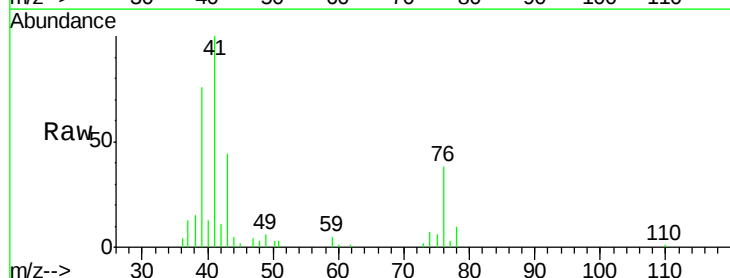
Acq: 08 Jan 2019 15:36

Tgt Ion: 43 Resp: 5420

Ion Ratio Lower Upper

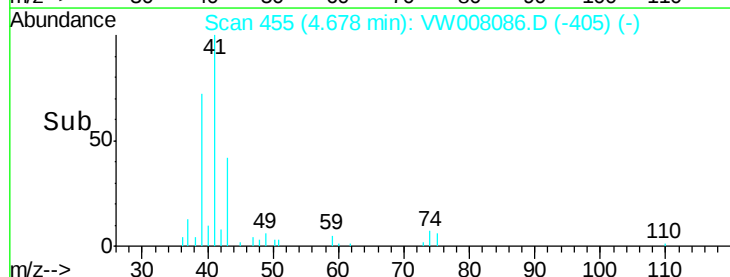
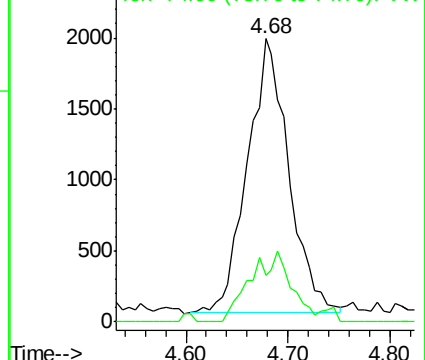
43 100

74 12.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





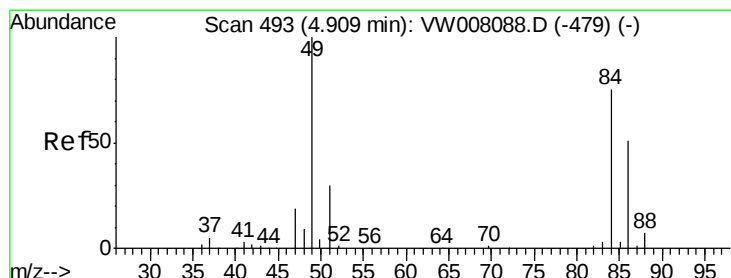
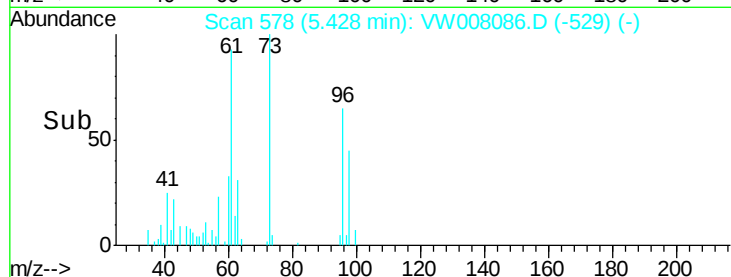
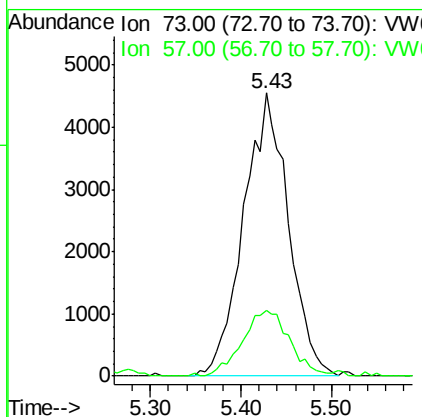
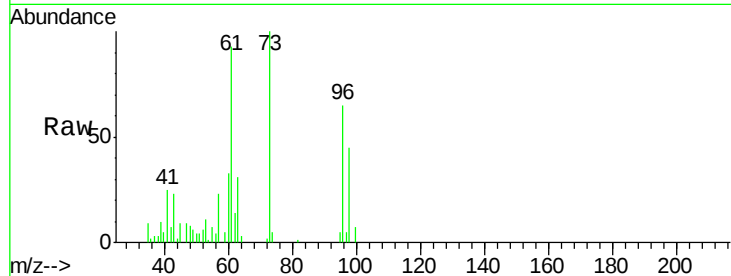
#19
Methyl tert-butyl Ether
Concen: 12.450 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 73 Resp: 15504
Ion Ratio Lower Upper
73 100
57 23.2 16.7 25.1

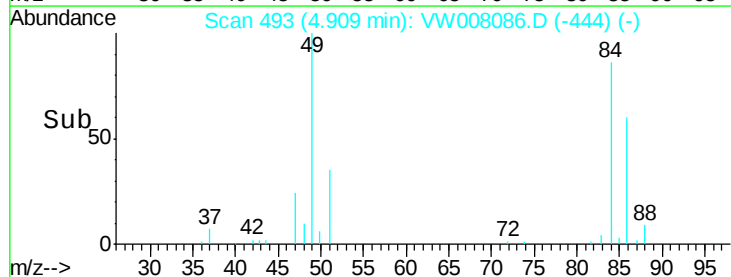
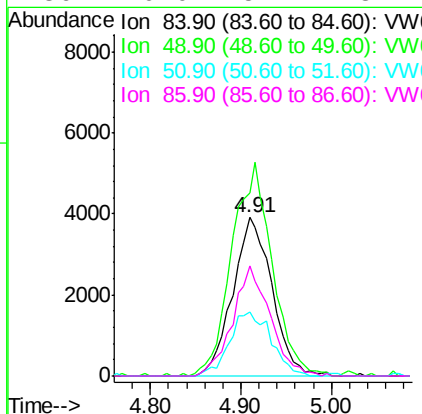
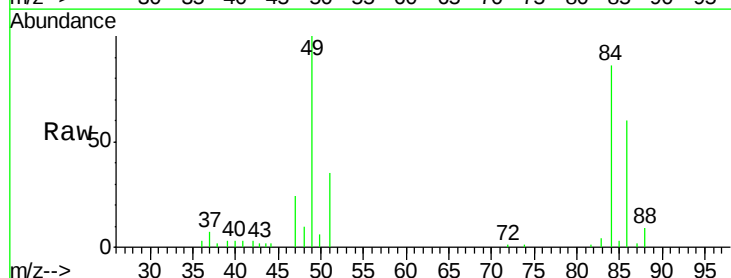
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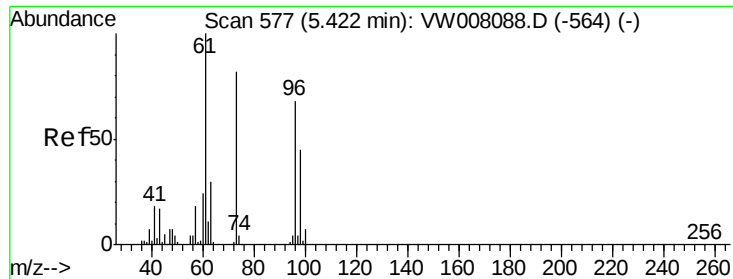
MMDadoda
1/9/2019 11:07:41 AM



#20
Methylene Chloride
Concen: 12.673 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion: 84 Resp: 11752
Ion Ratio Lower Upper
84 100
49 115.7 107.1 160.7
51 40.2 32.4 48.6
86 70.0 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 11.736 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 10083

Ion Ratio Lower Upper

96 100

61 151.2 117.4 176.0

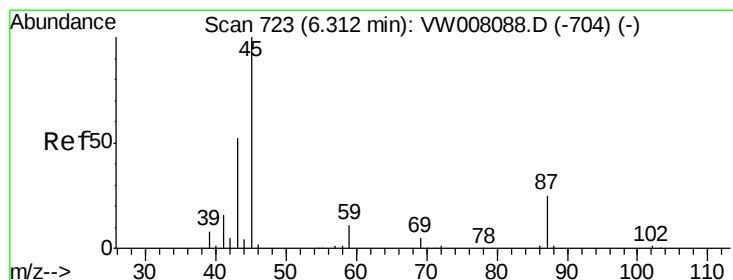
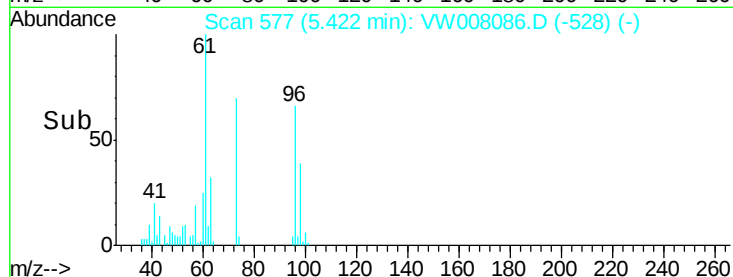
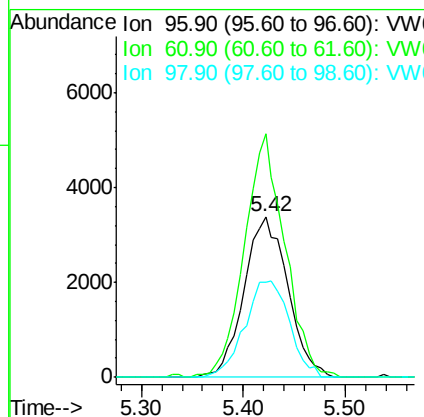
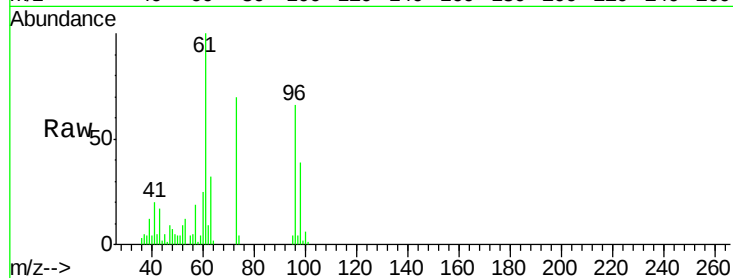
98 59.1 52.2 78.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 15.291 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion: 45 Resp: 31408

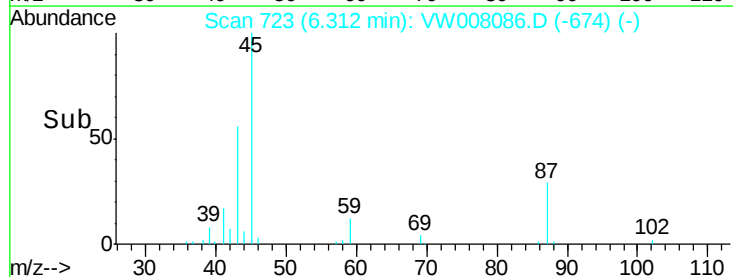
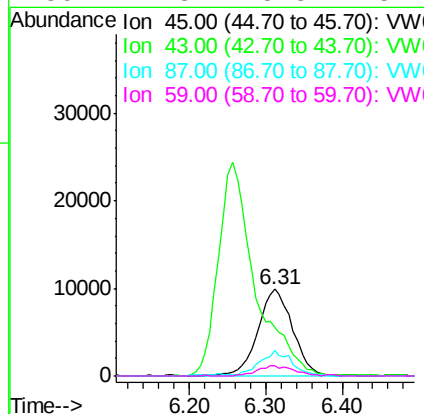
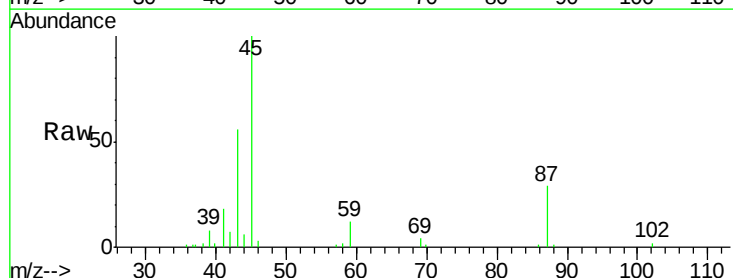
Ion Ratio Lower Upper

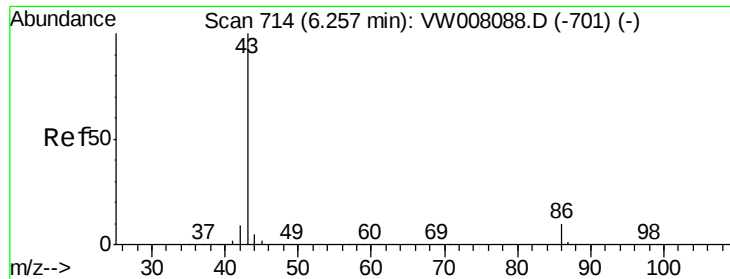
45 100

43 53.9 41.7 62.5

87 29.0 20.1 30.1

59 12.3 8.8 13.2





#23

Vinyl Acetate

Concen: 71.474 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 81092

Ion Ratio Lower Upper

43 100

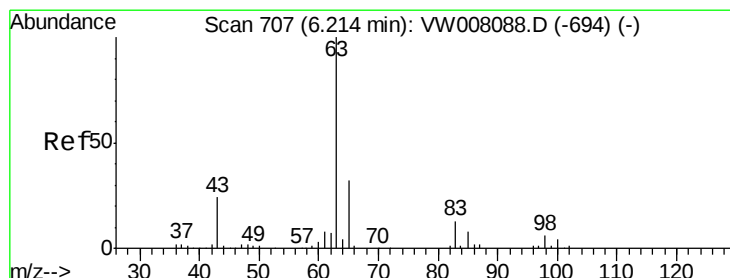
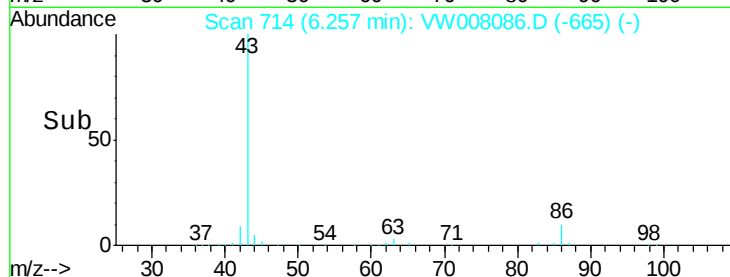
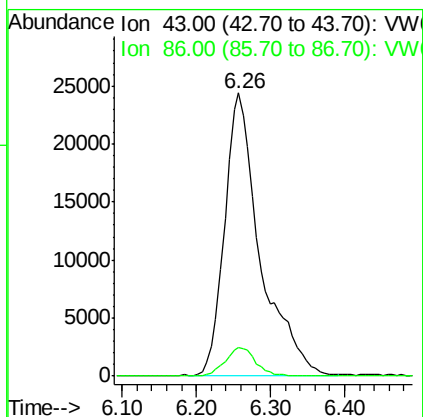
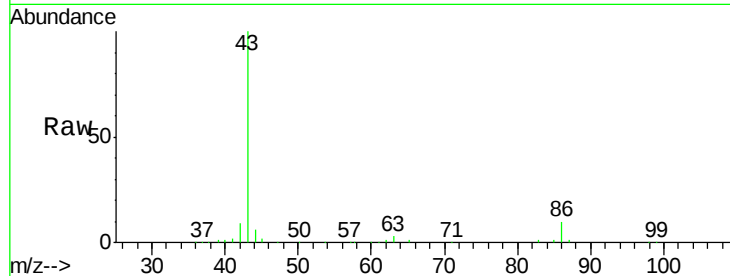
86 10.1 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 12.766 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

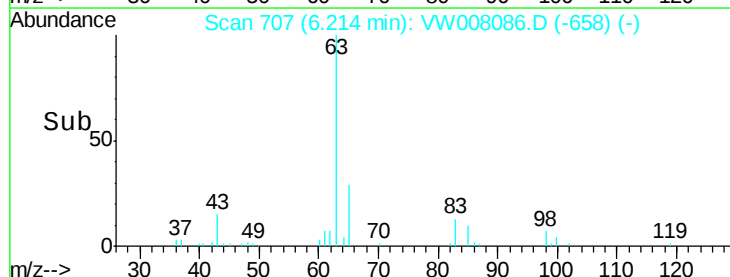
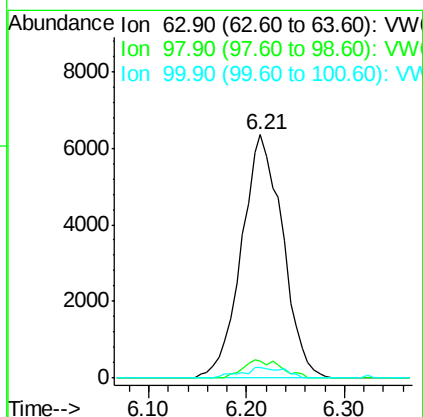
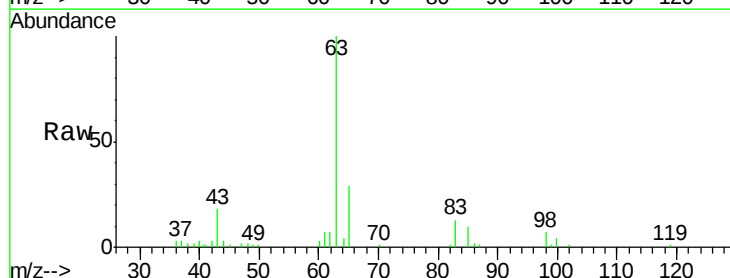
Tgt Ion: 63 Resp: 18512

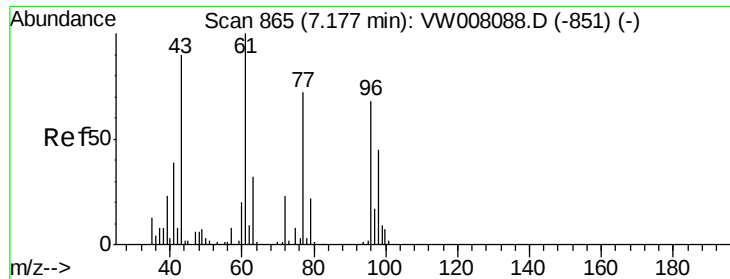
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 78.429 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 13239

Ion Ratio Lower Upper

43 100

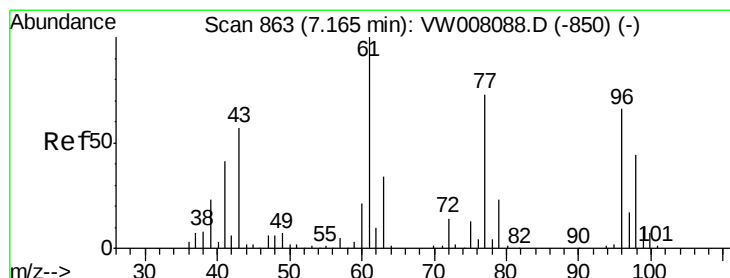
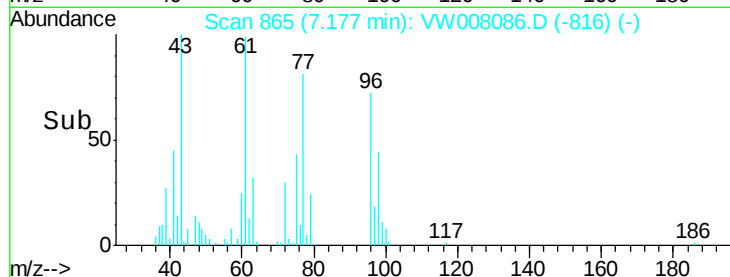
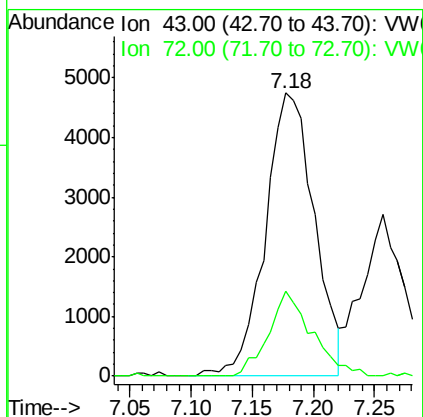
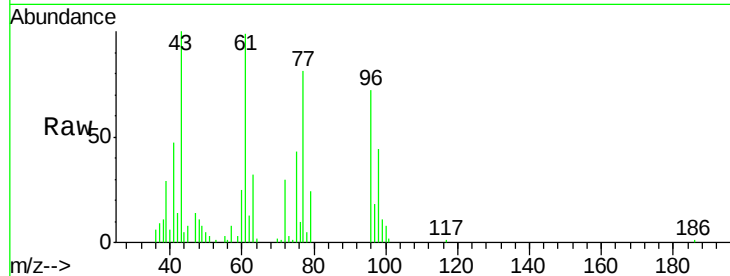
72 30.2 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.479 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008086.D

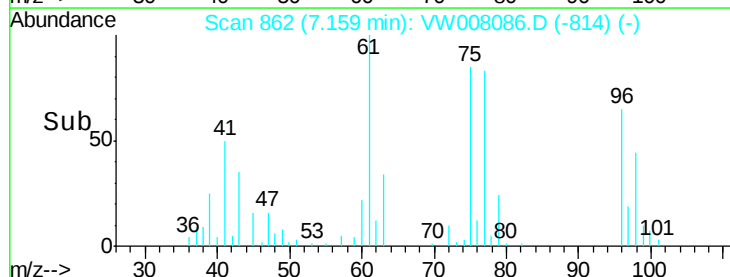
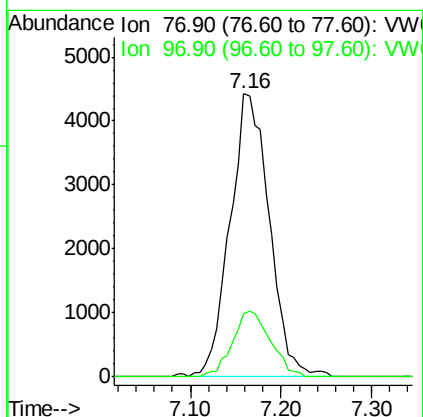
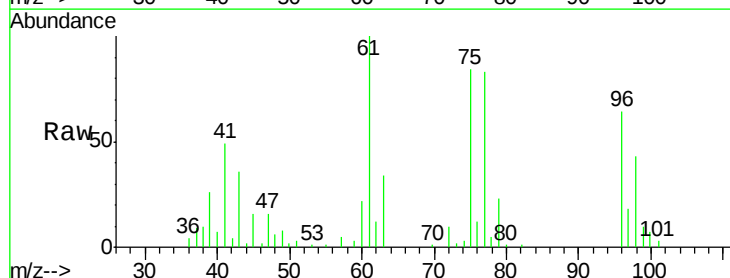
Acq: 08 Jan 2019 15:36

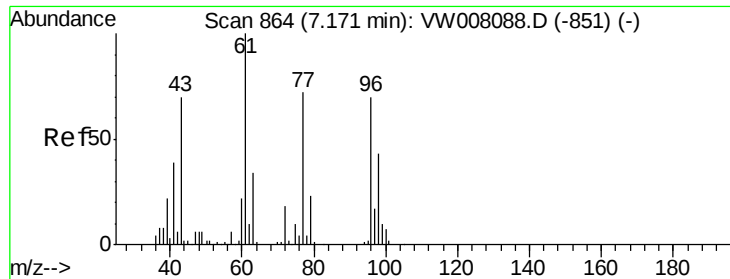
Tgt Ion: 77 Resp: 13270

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.1





#27

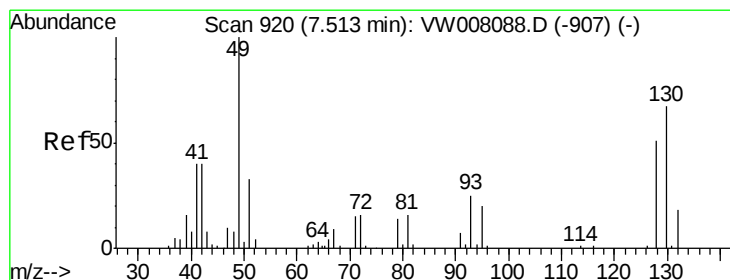
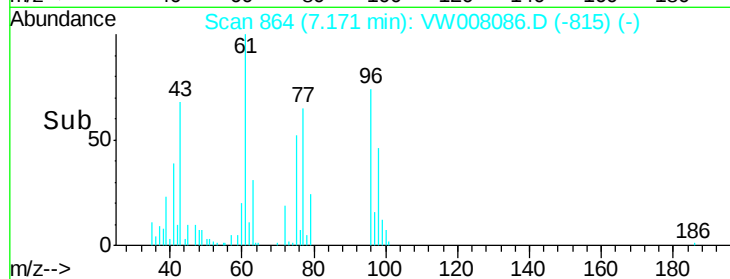
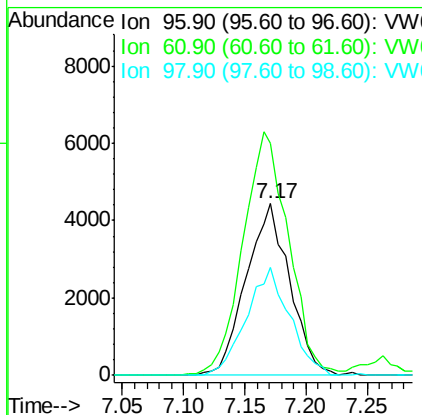
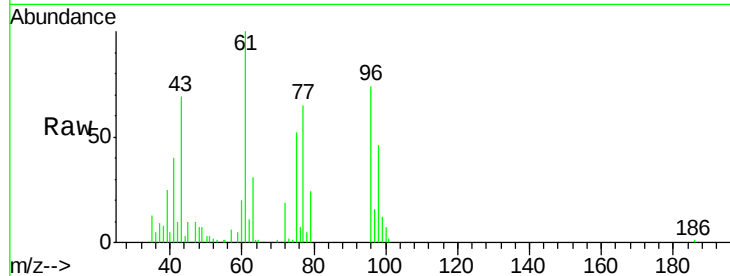
cis-1,2-Dichloroethene
Concen: 11.998 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	300.4
98	62.2	0.0	128.4

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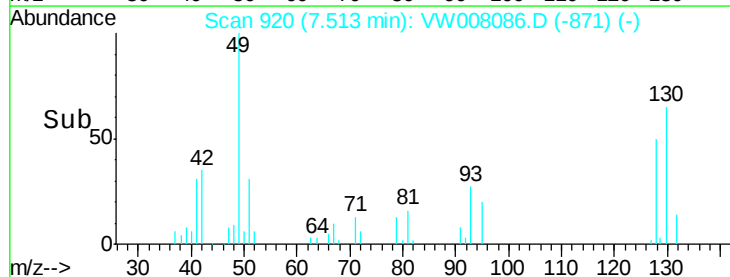
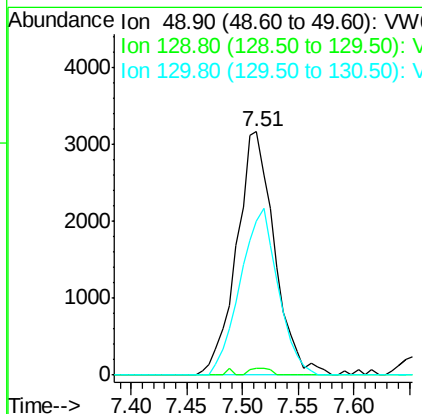
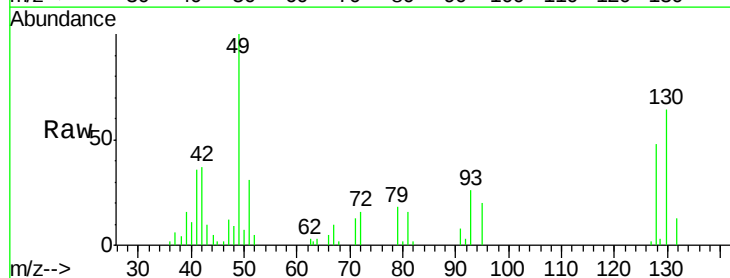
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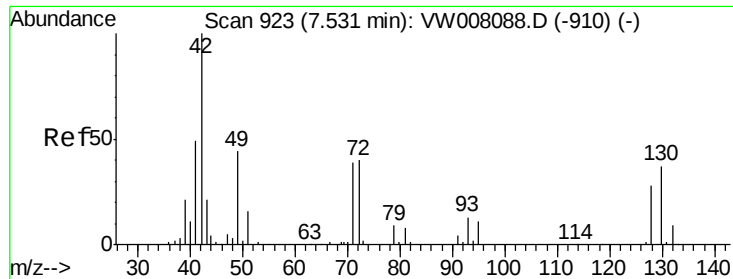


#28

Bromochloromethane
Concen: 15.184 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.8
130	68.5	54.3	81.5





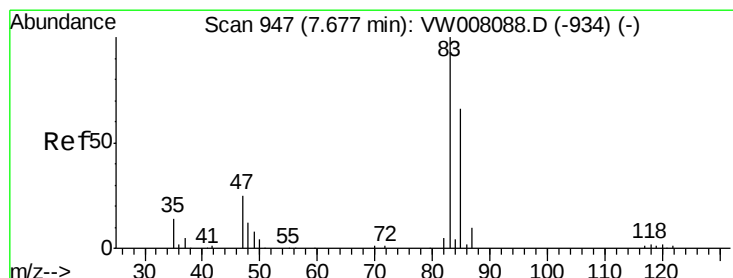
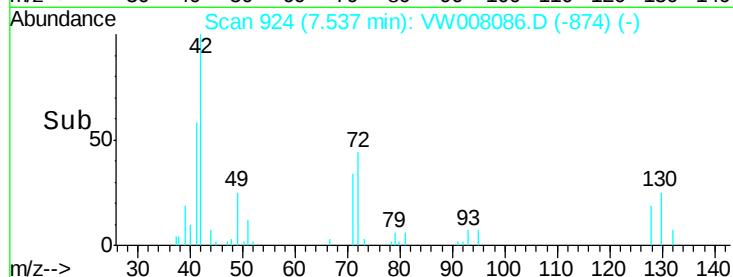
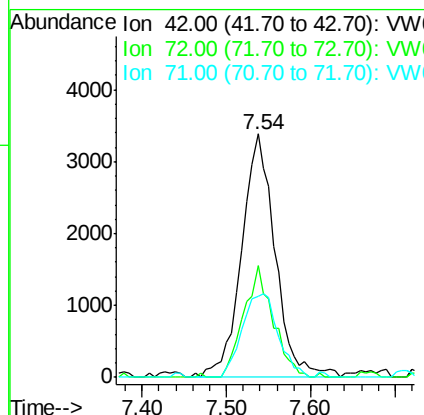
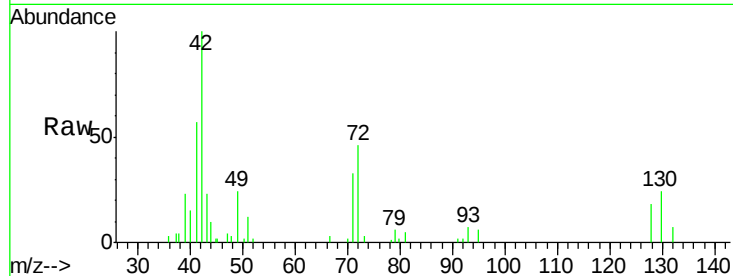
#29
Tetrahydrofuran
Concen: 85.023 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.4	48.6
71	36.7	31.3	46.9

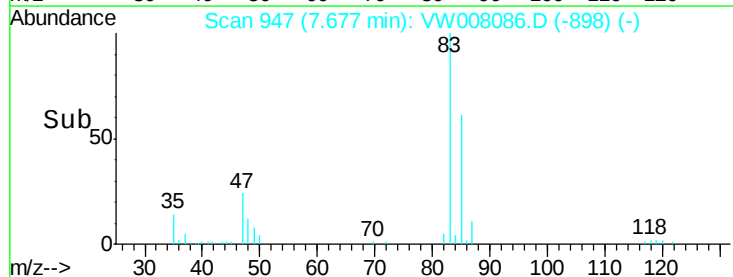
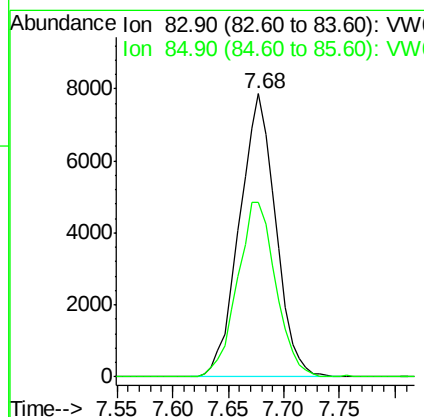
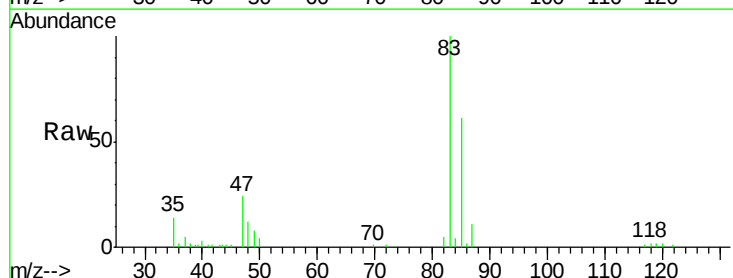
Manual Integrations
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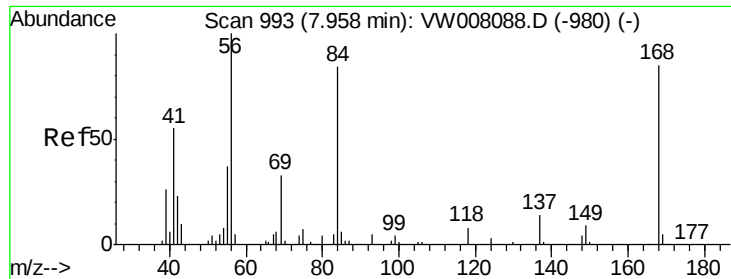
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#30
Chloroform
Concen: 11.201 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	53.2	79.8





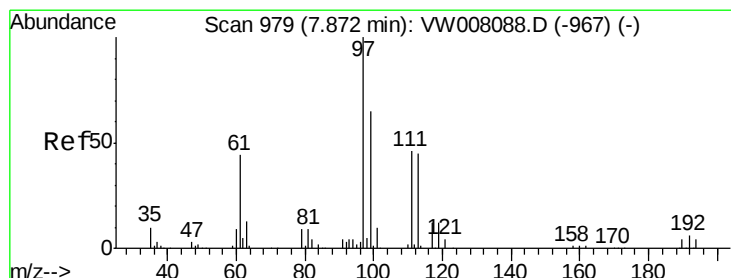
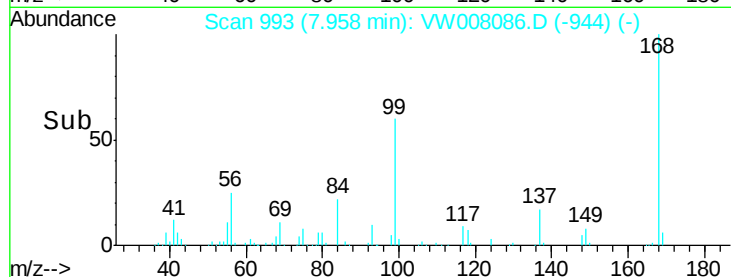
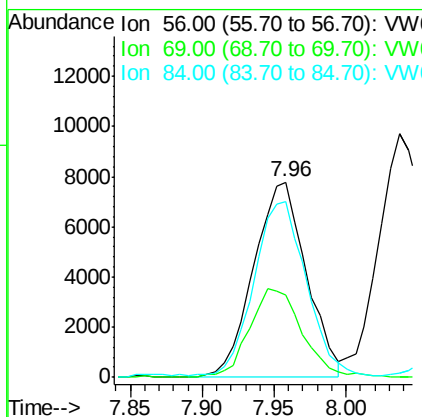
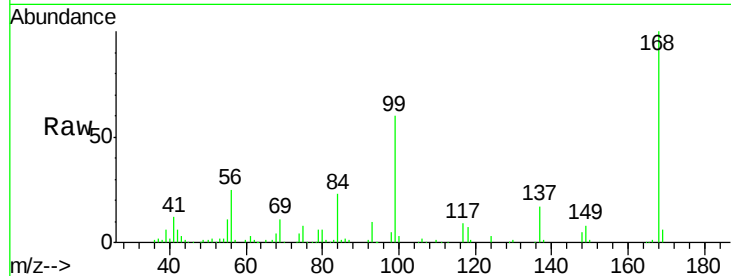
#31
Cyclohexane
Concen: 14.187 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.1	26.2	39.4#
84	89.2	67.4	101.2

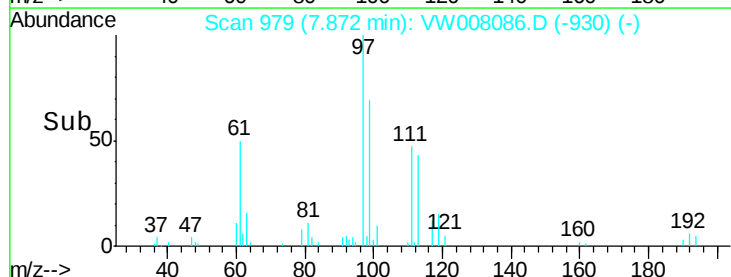
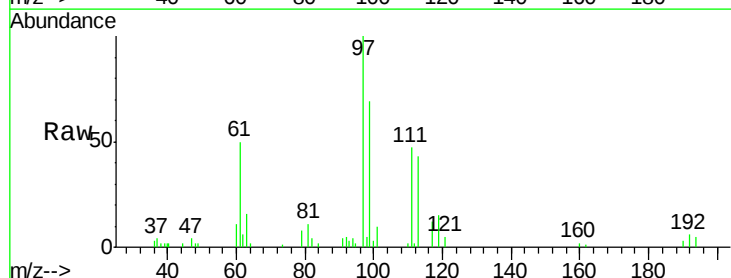
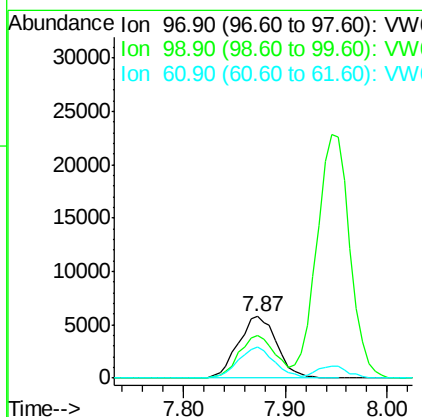
Manual Integrations
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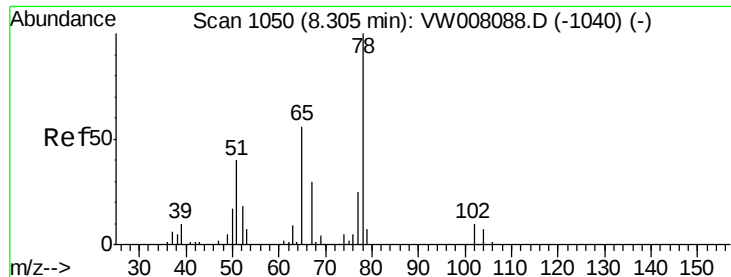
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#32
1,1,1-Trichloroethane
Concen: 10.236 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	47.3	35.6	53.4





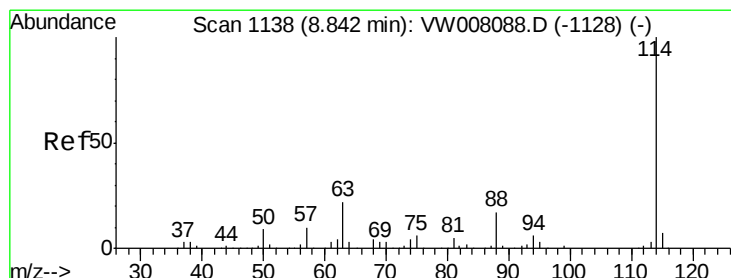
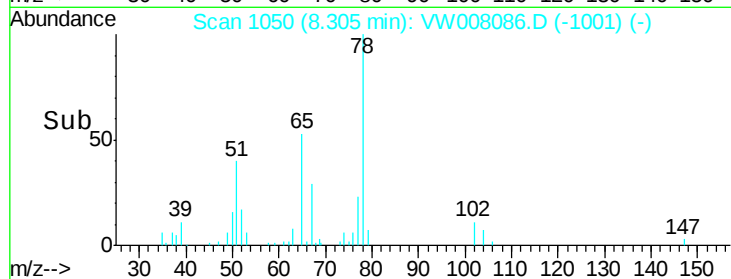
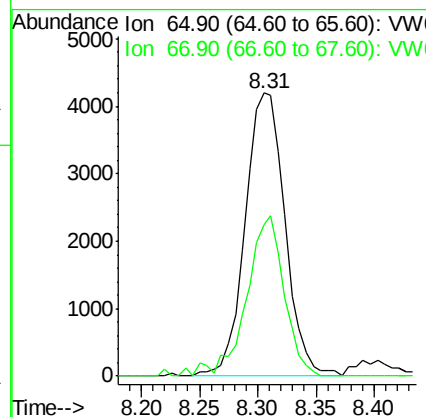
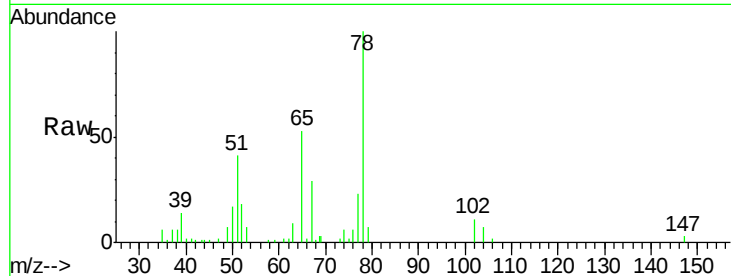
#33
 1,2-Dichloroethane-d4
 Concen: 11.547 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	65	Resp	10028
Ion Ratio	100	Lower	Upper
67	53.7	0.0	106.8

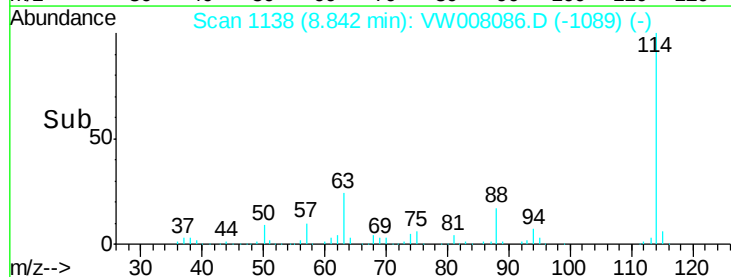
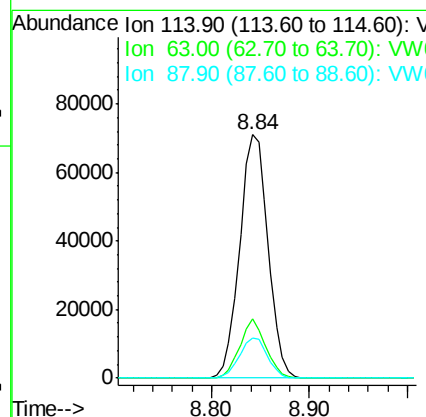
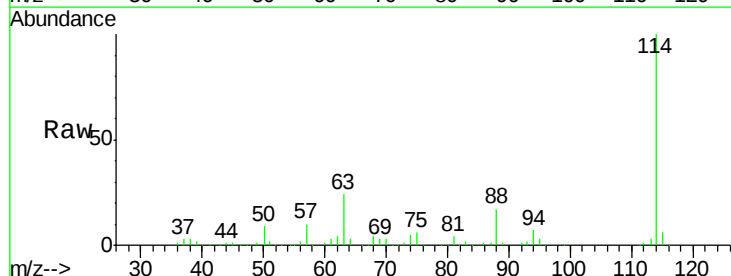
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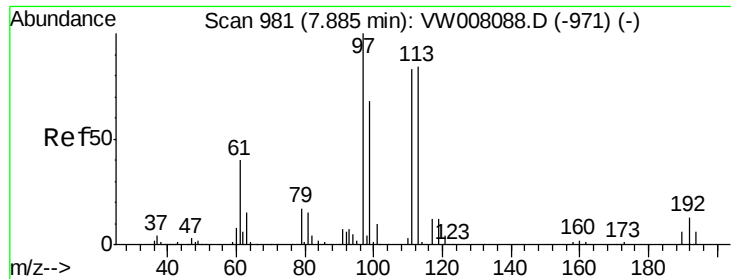
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Tgt Ion	114	Resp	142342
Ion Ratio	100	Lower	Upper
63	24.2	0.0	43.4
88	16.5	0.0	33.4





#35

Dibromofluoromethane

Concen: 9.532 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

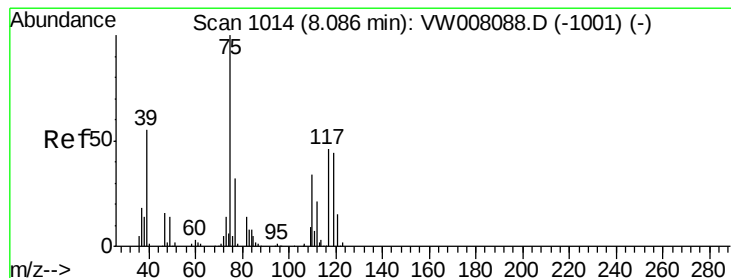
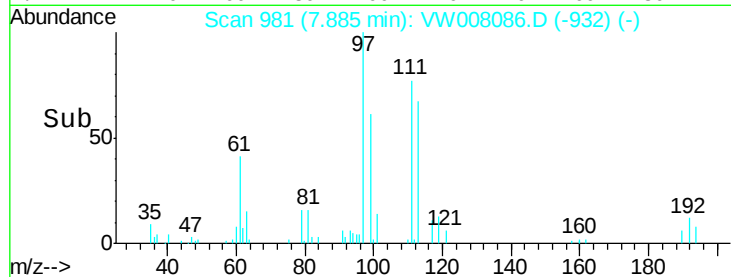
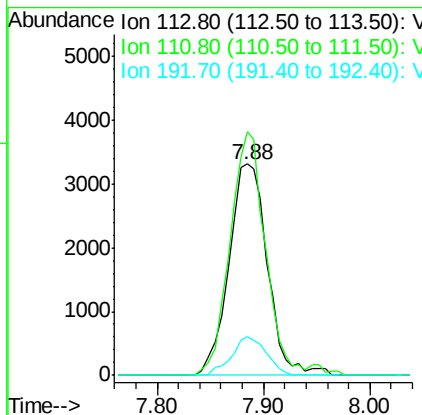
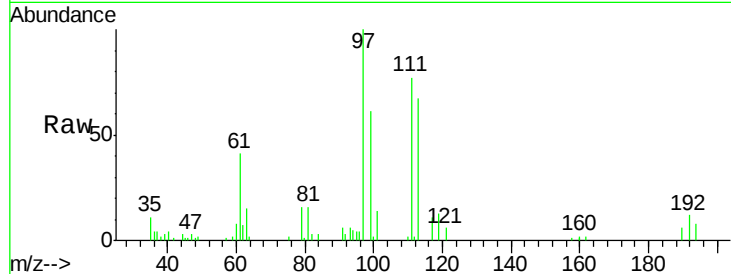
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	8412
Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.8	122.8
192	16.3	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 10.557 ug/l

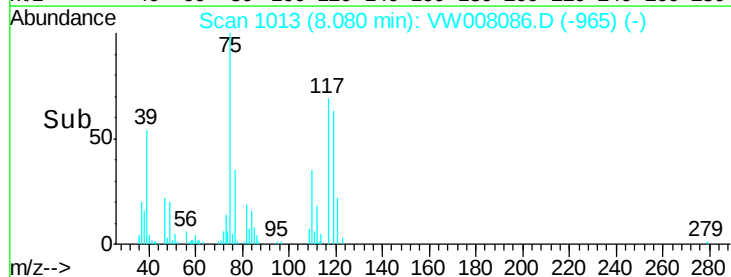
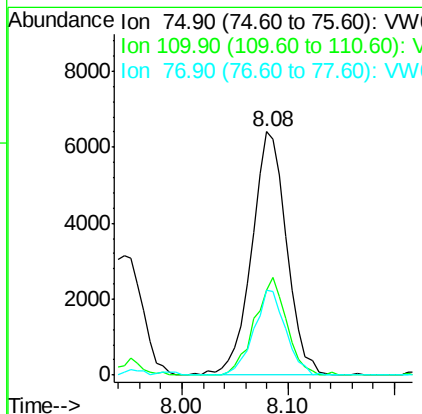
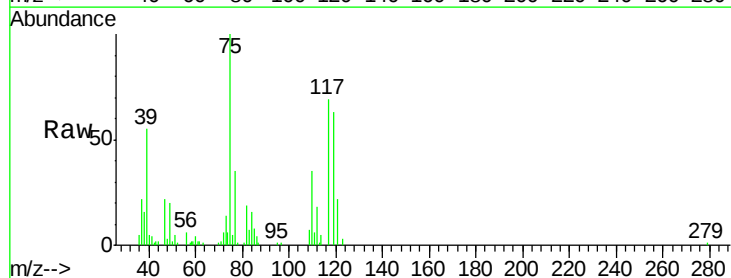
RT: 8.08 min Scan# 1013

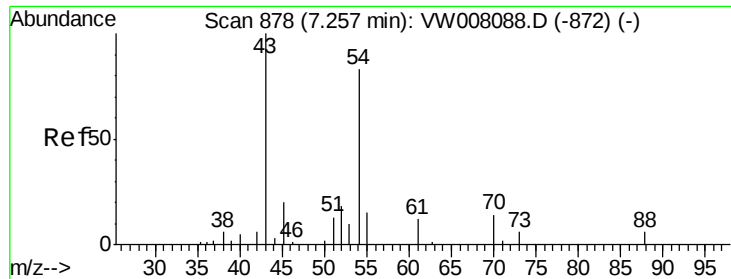
Delta R.T. -0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion:	75	Resp:	14712
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.1	51.3
77	31.8	25.5	38.3





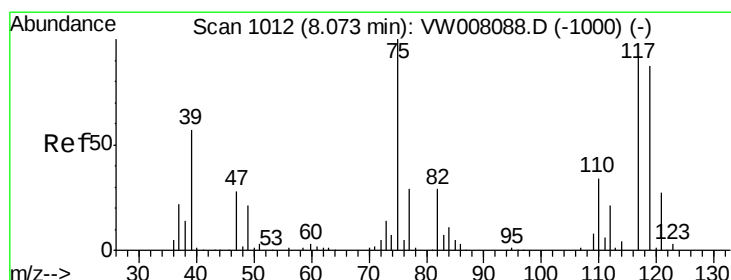
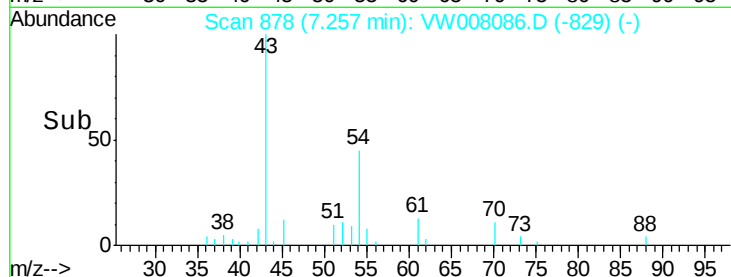
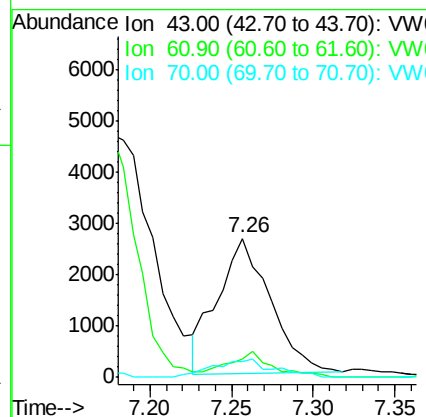
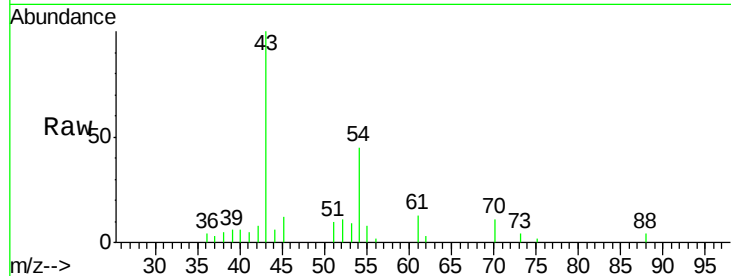
#37
Ethyl Acetate
Concen: 13.297 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.6	16.0#
70	15.3	8.9	13.3#

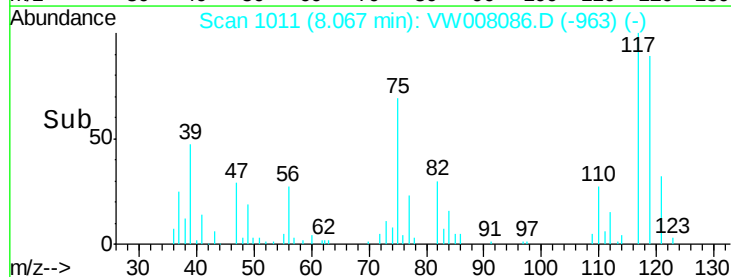
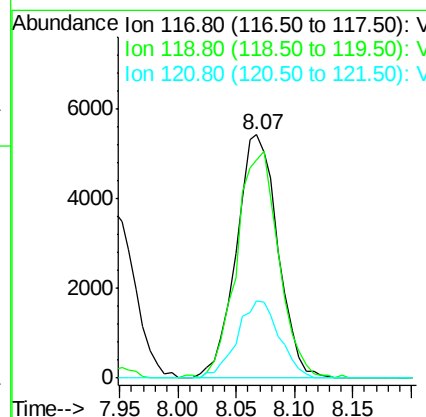
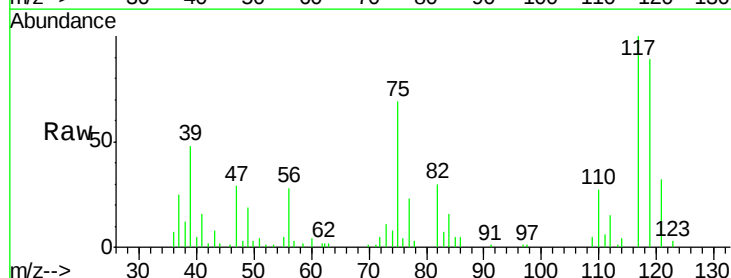
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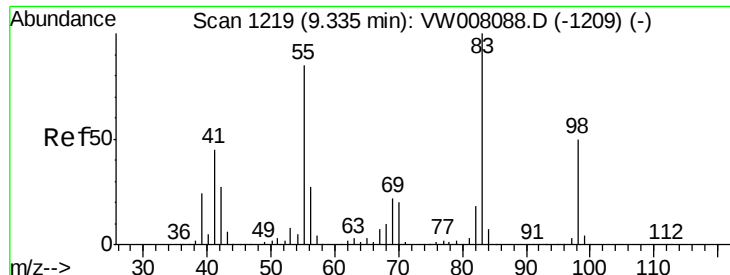
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#38
Carbon Tetrachloride
Concen: 8.435 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.8	113.8
121	31.9	23.7	35.5





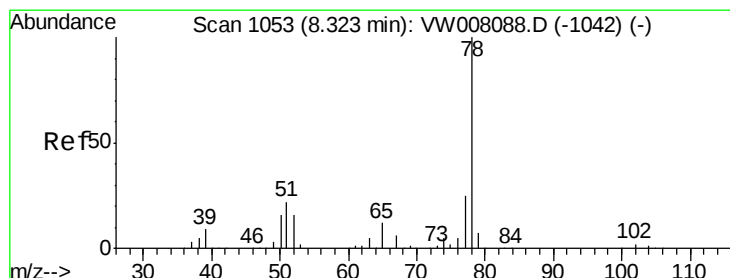
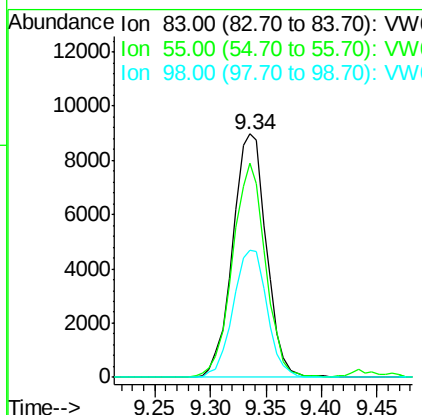
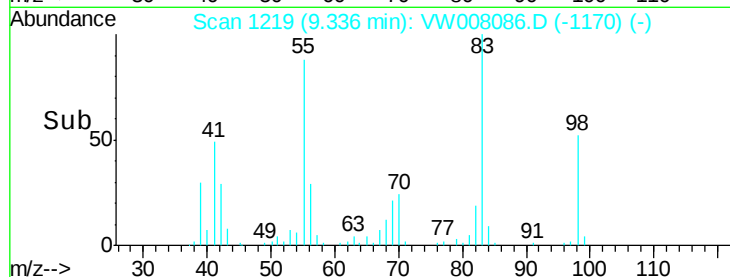
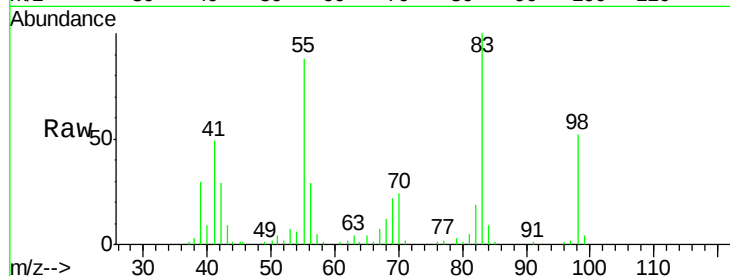
#39
Methvlcvclohexane
Concen: 10.754 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	18781
Ion	Ratio	Lower	Upper
83	100		
55	87.7	67.8	101.6
98	52.4	40.2	60.4

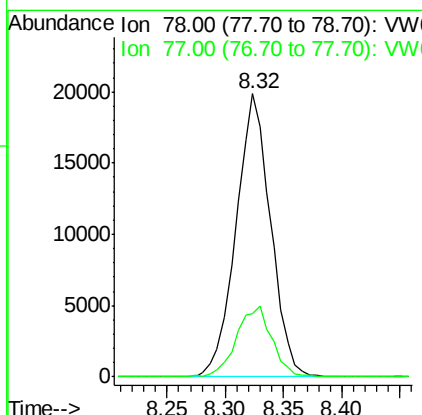
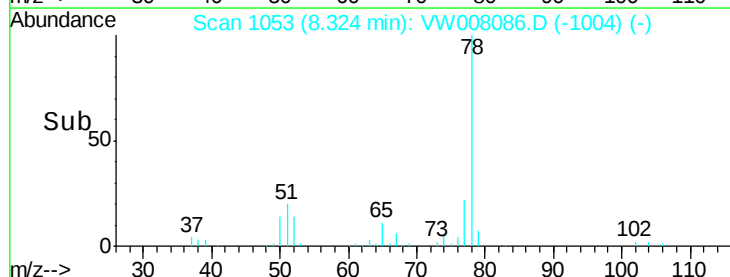
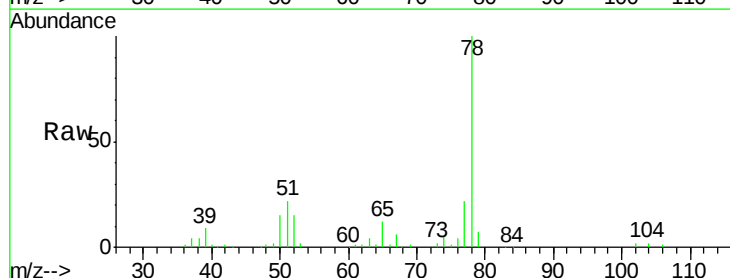
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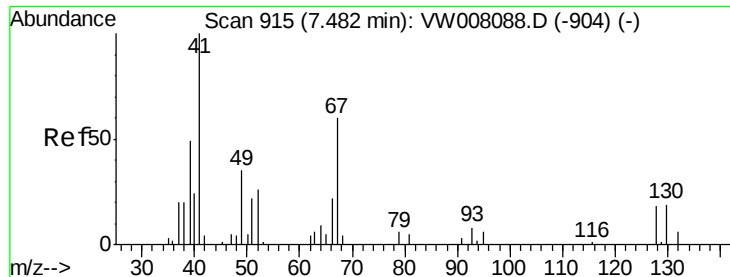
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#40
Benzene
Concen: 11.075 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	78	Resp	41032
Ion	Ratio	Lower	Upper
78	100		
77	22.3	20.2	30.4





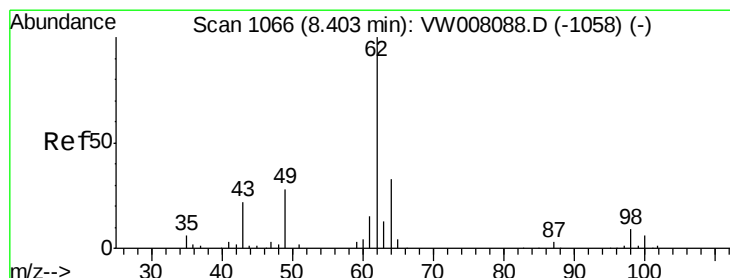
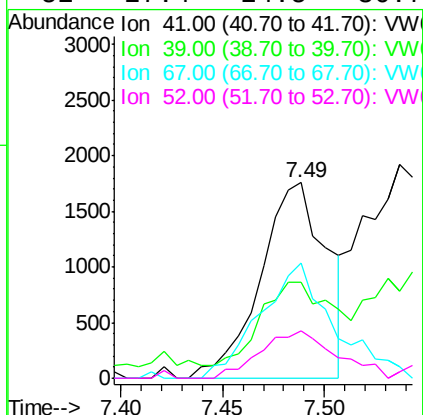
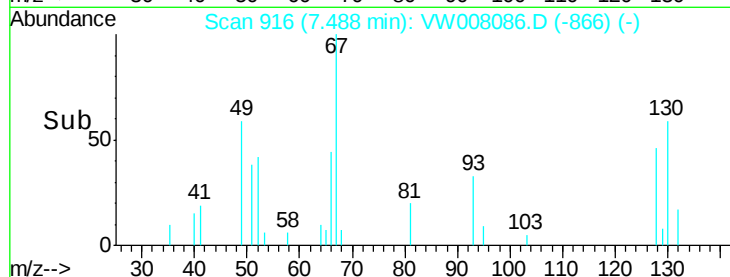
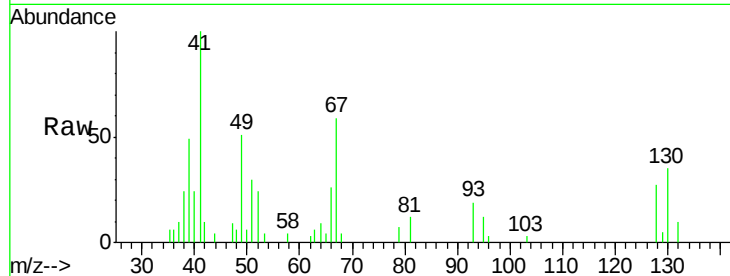
#41
Methacrylonitrile
Concen: 15.631 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.2	47.9	71.9
67	65.1	56.3	84.5
52	27.4	24.5	36.7

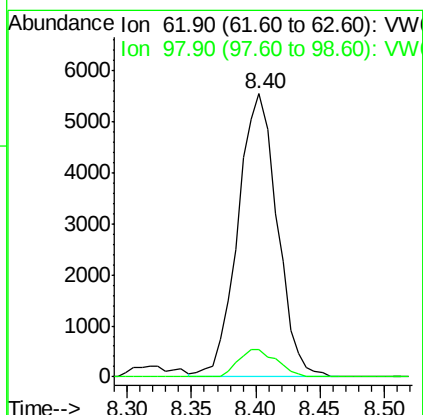
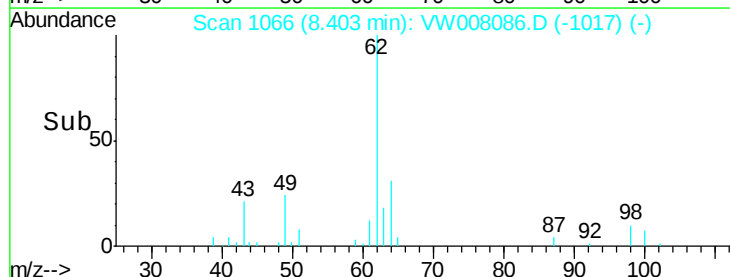
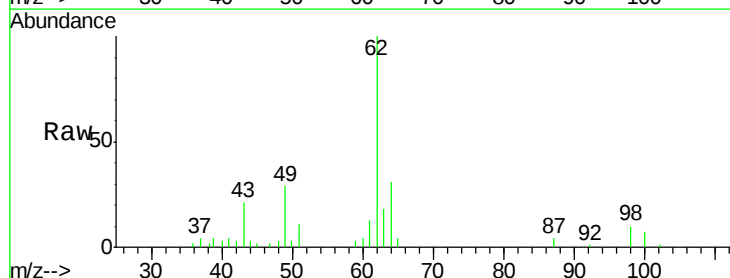
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#42
1,2-Dichloroethane
Concen: 9.799 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 14.197 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

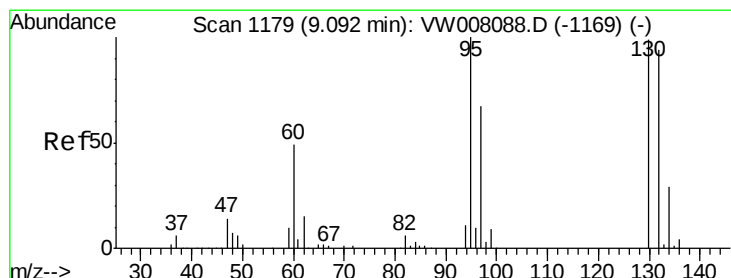
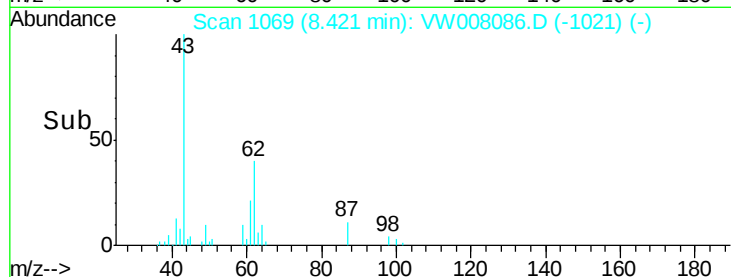
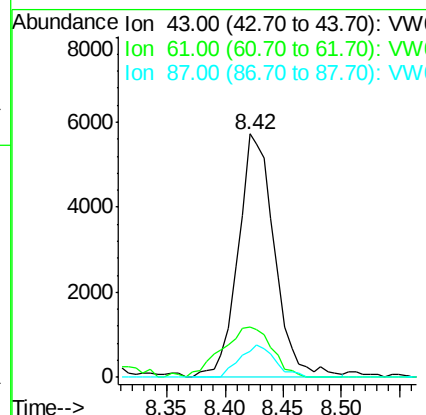
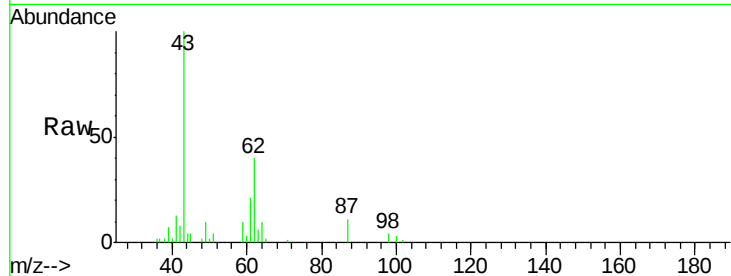
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	12469
Ion	Ratio	Lower	Upper
43	100		
61	28.7	24.8	37.2
87	12.7	10.4	15.6

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#44

Trichloroethene

Concen: 9.662 ug/l

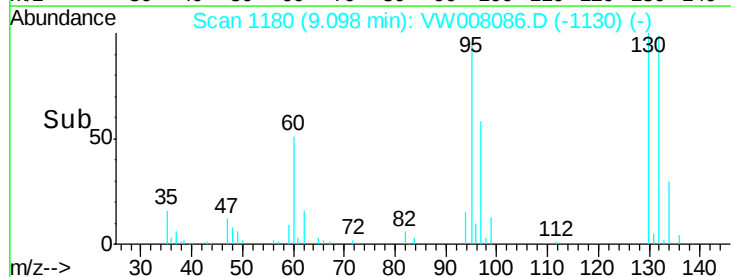
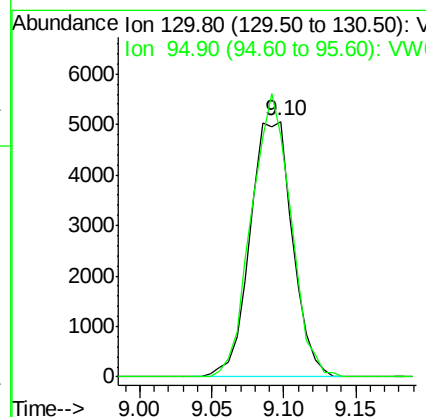
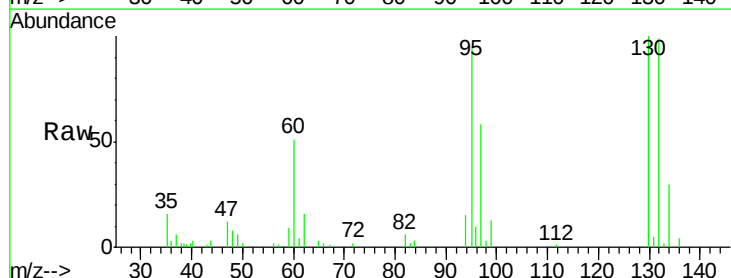
RT: 9.10 min Scan# 1180

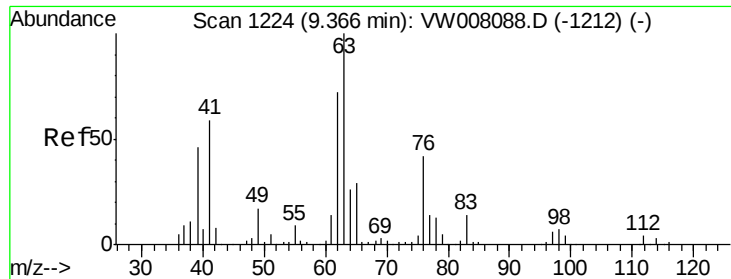
Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion:	130	Resp:	10292
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	202.8





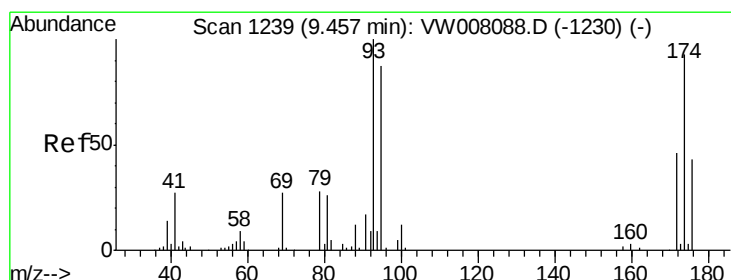
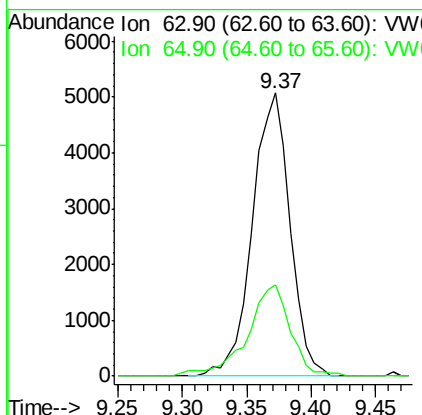
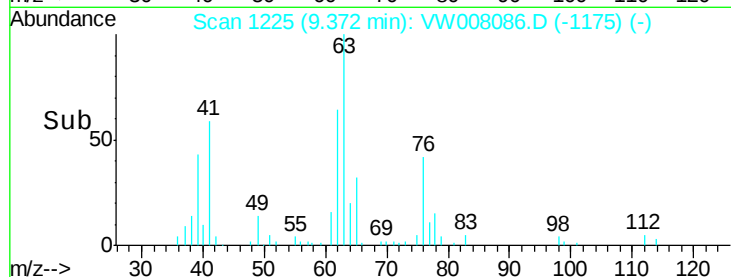
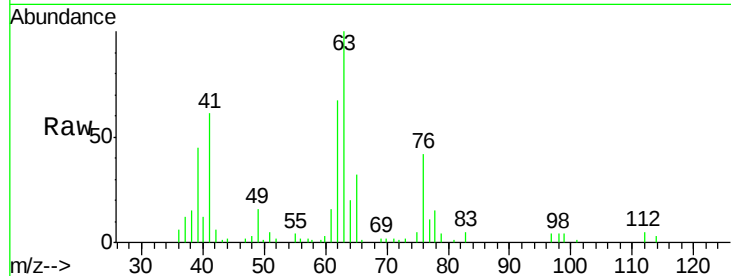
#45
 1,2-Dichloropropane
 Concen: 12.384 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 10177
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.3 34.9

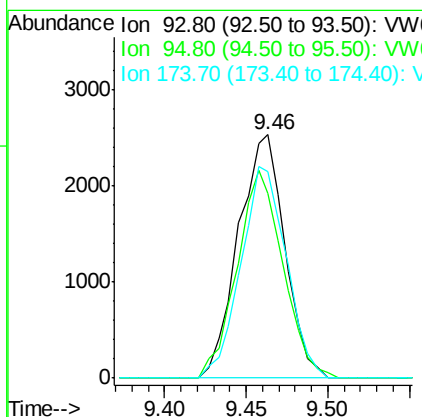
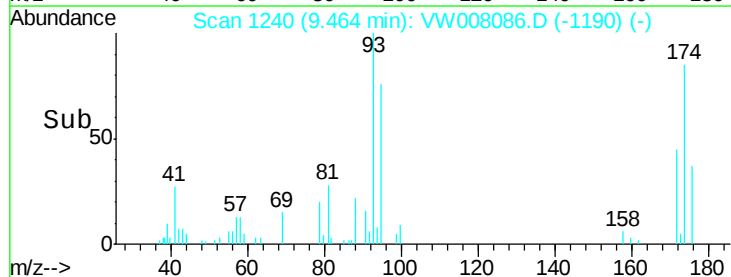
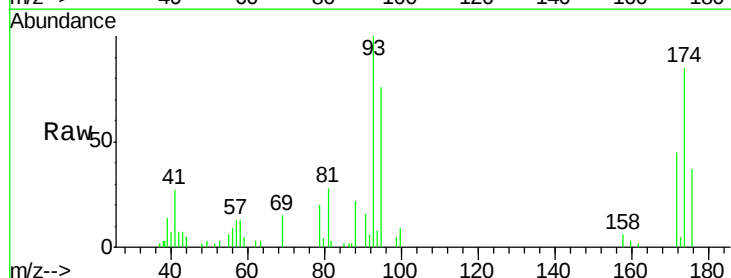
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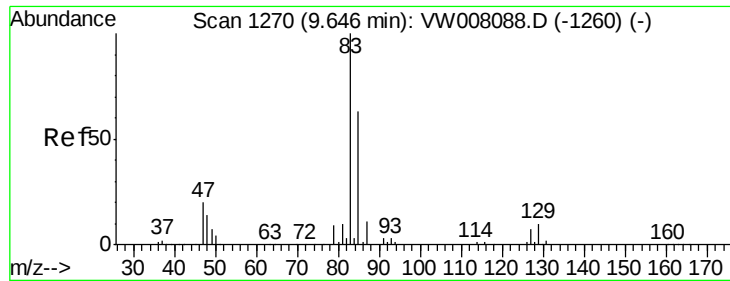
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#46
 Dibromomethane
 Concen: 10.804 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Tgt Ion: 93 Resp: 5017
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.5 101.3
 174 85.0 72.5 108.7





#47

Bromodichloromethane

Concen: 9.621 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

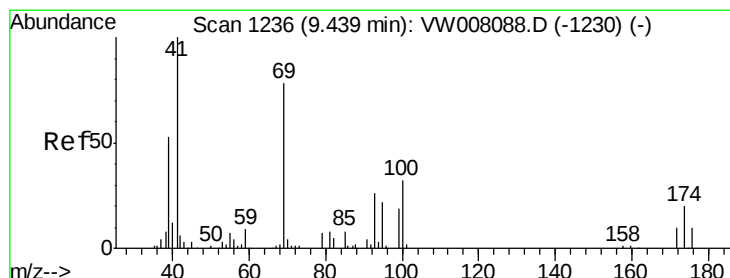
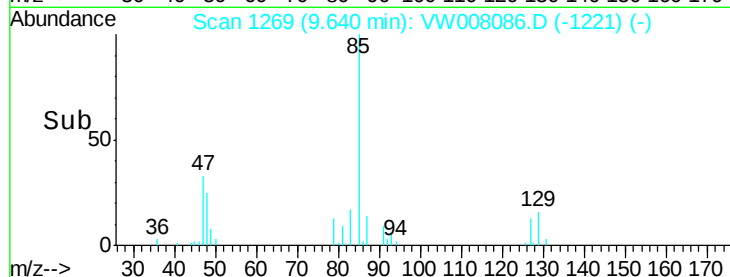
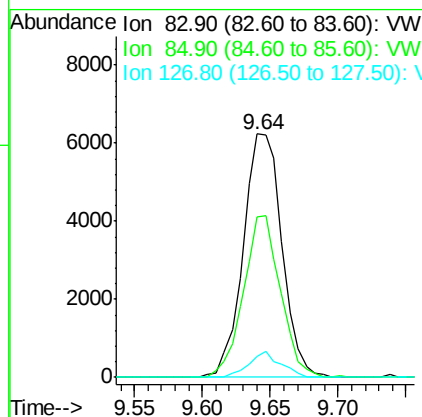
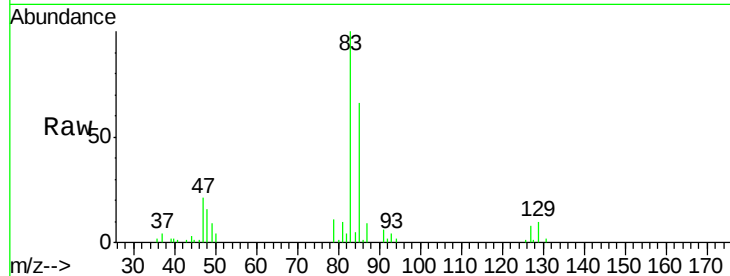
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	12404
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.7	76.1
127	8.4	6.0	9.0

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#48

Methyl methacrylate

Concen: 12.860 ug/l

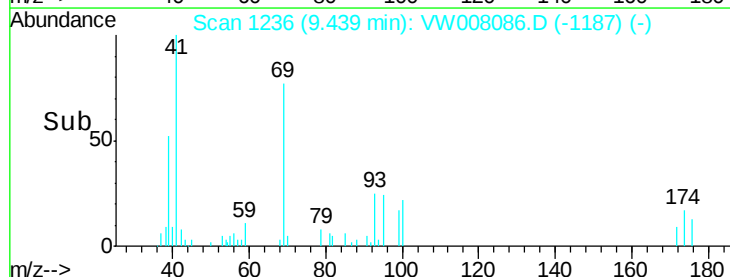
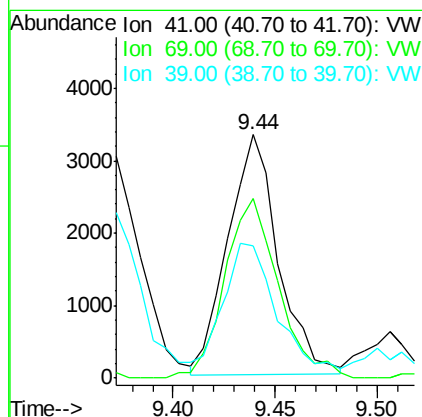
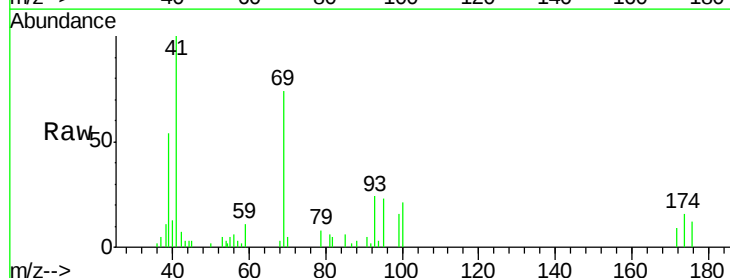
RT: 9.44 min Scan# 1236

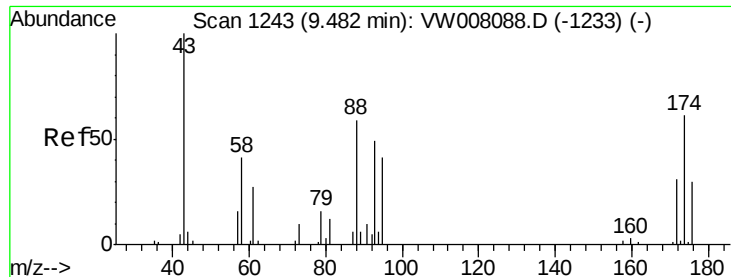
Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion:	41	Resp:	5705
Ion	Ratio	Lower	Upper
41	100		
69	79.4	61.9	92.9
39	51.6	43.0	64.4





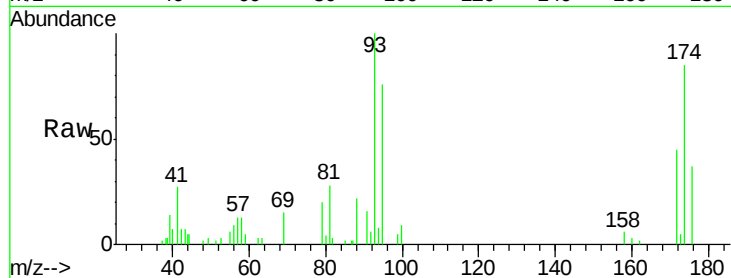
#49
1,4-Dioxane
Concen: 226.654 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

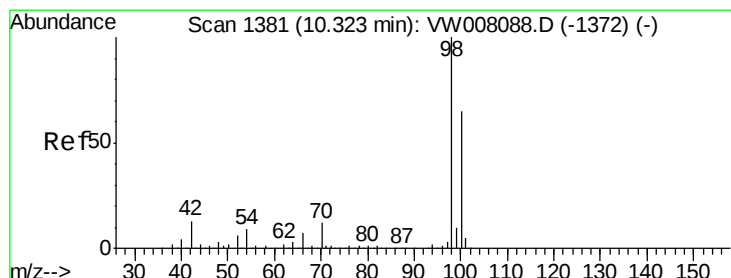
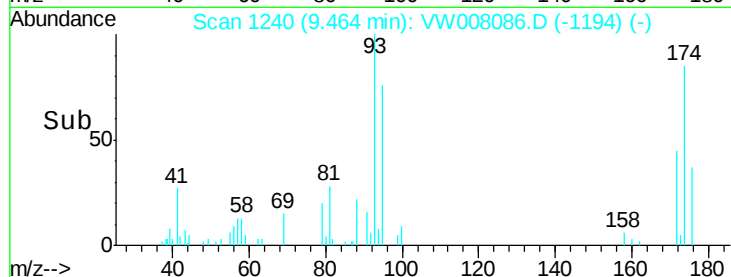
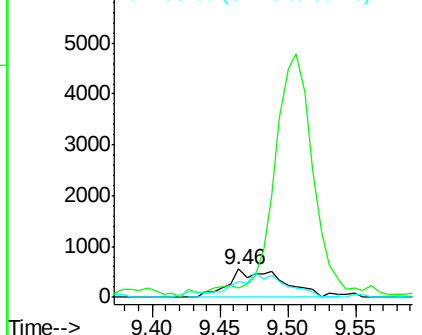
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	77.6	61.7	92.5

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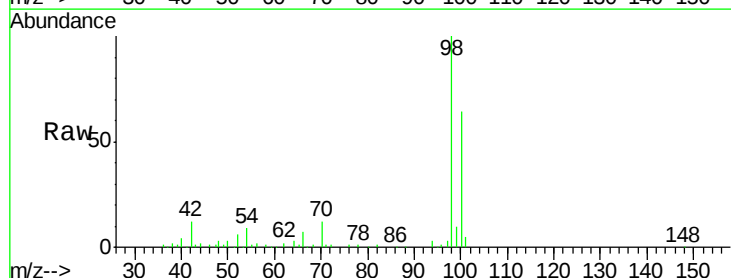


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

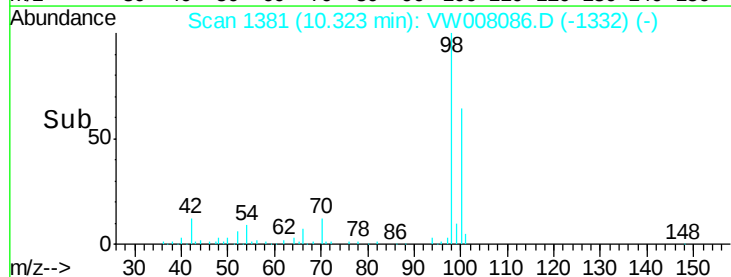
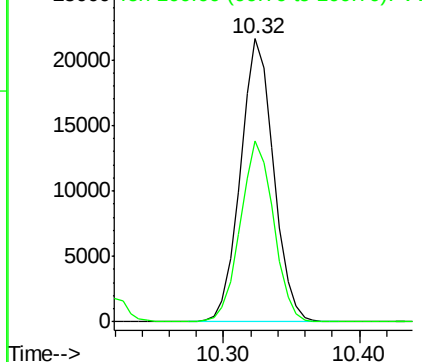


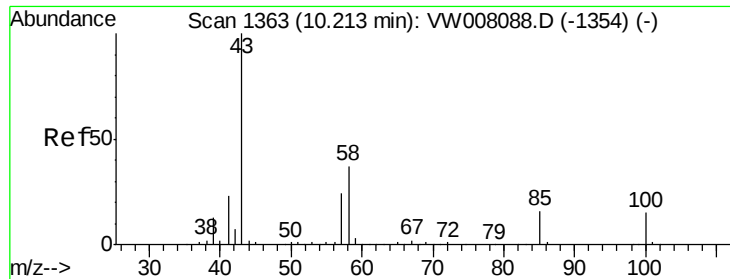
#50
Toluene-d8
Concen: 10.866 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	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: 73.597 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 30336

Ion Ratio Lower Upper

43 100

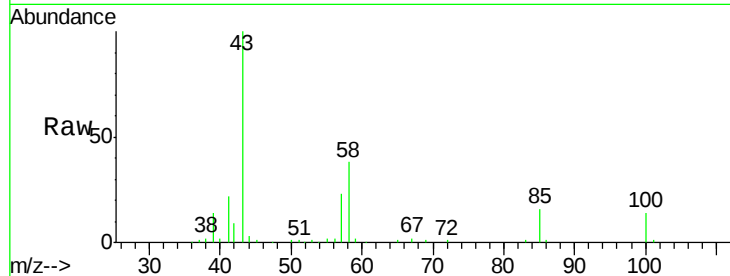
58 36.4 30.6 46.0

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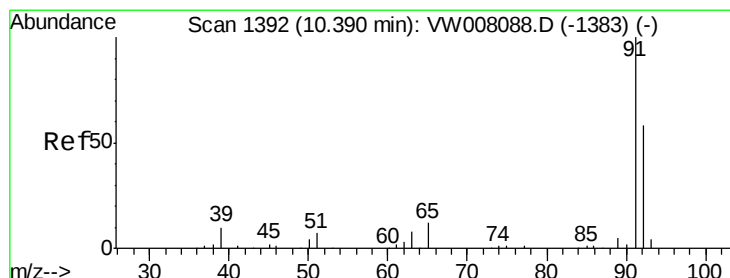
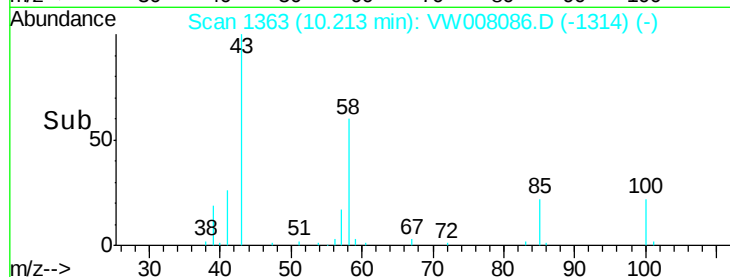
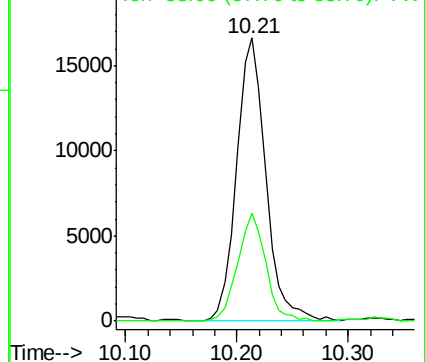
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 10.574 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008086.D

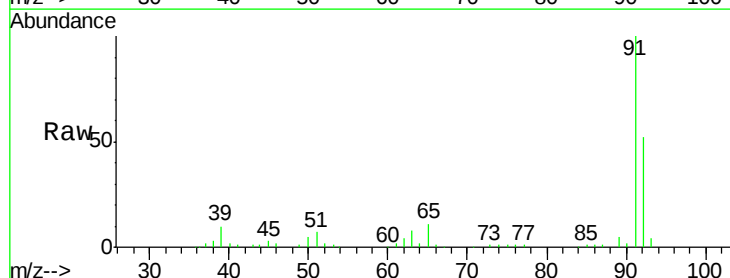
Acq: 08 Jan 2019 15:36

Tgt Ion: 92 Resp: 25825

Ion Ratio Lower Upper

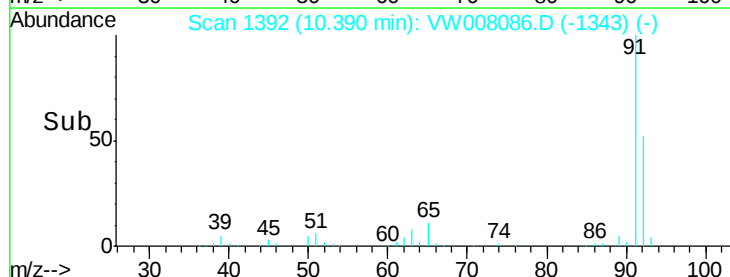
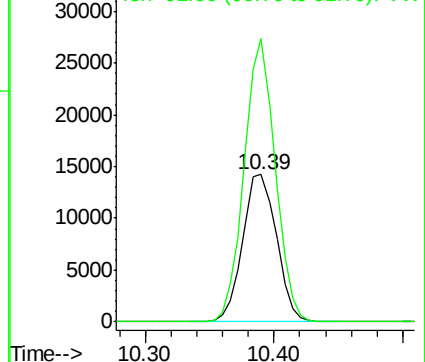
92 100

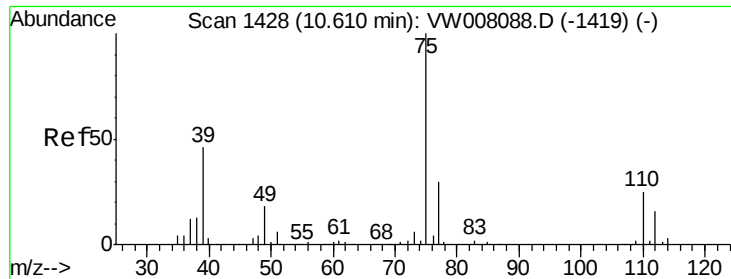
91 176.8 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





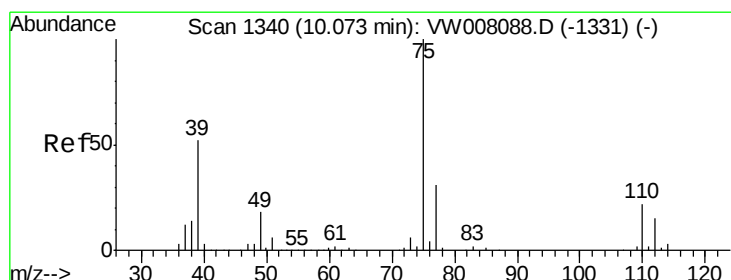
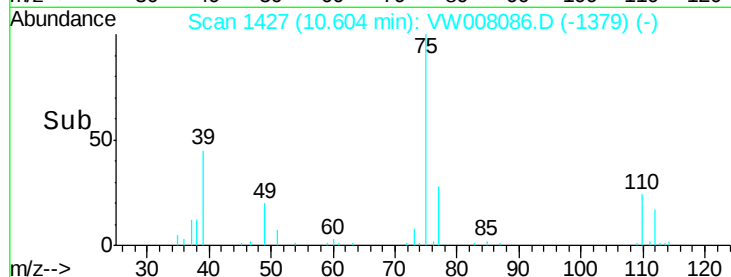
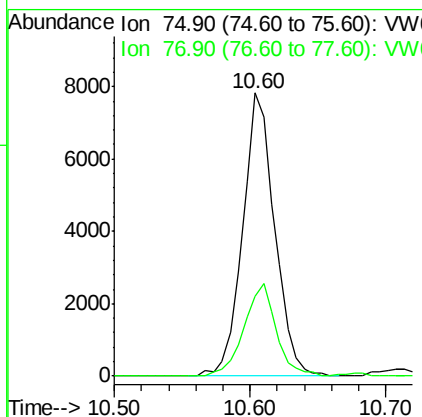
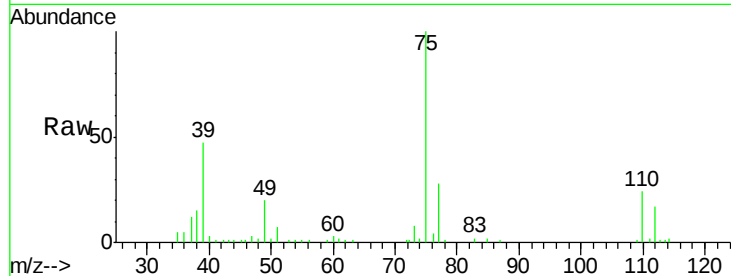
#53
 t-1,3-Dichloropropene
 Concen: 10.239 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 12857
 Ion Ratio Lower Upper
 75 100
 77 28.4 24.4 36.6

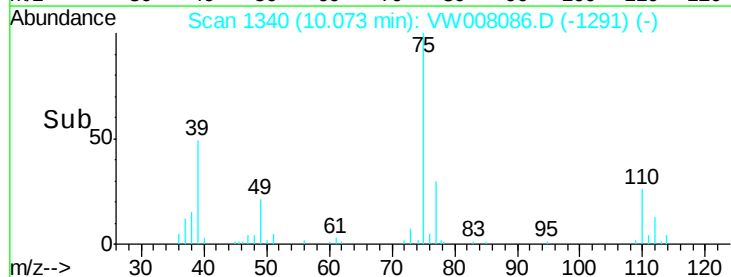
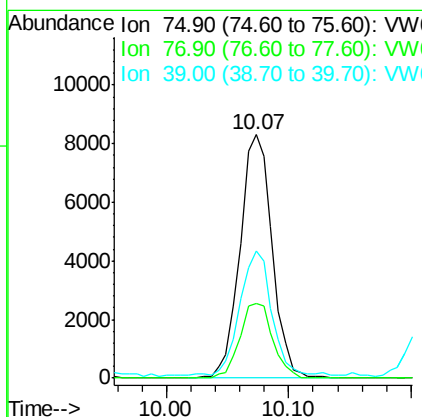
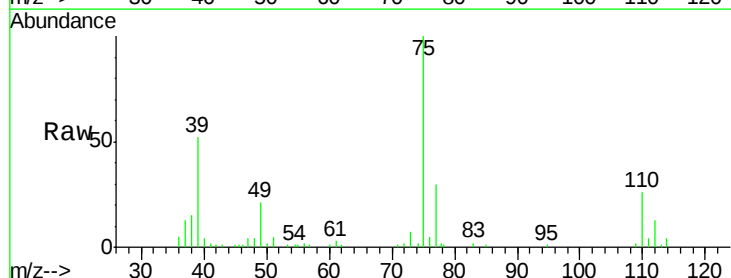
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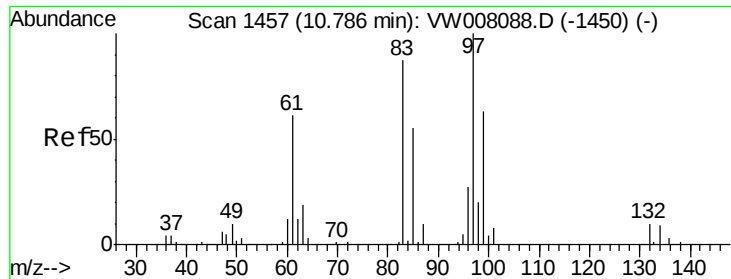
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#54
 cis-1,3-Dichloropropene
 Concen: 10.690 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Tgt Ion: 75 Resp: 15119
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 50.8 41.4 62.0





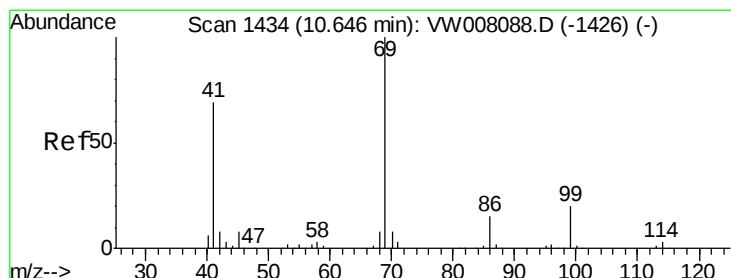
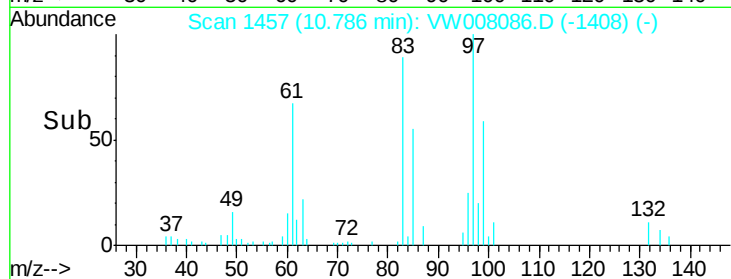
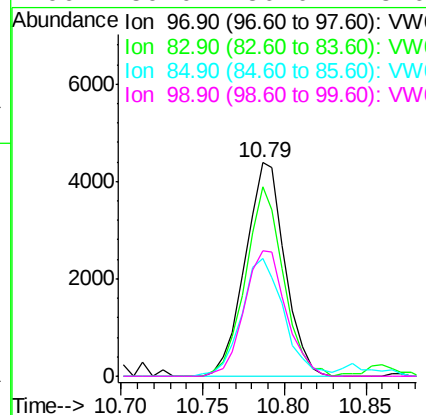
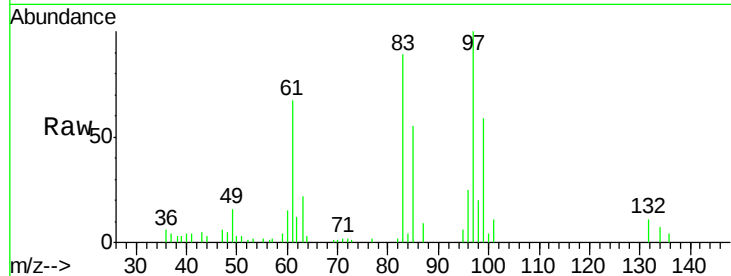
#55
 1,1,2-Trichloroethane
 Concen: 11.757 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	7413
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.3	103.9
85	55.3	43.8	65.6
99	59.0	50.0	75.0

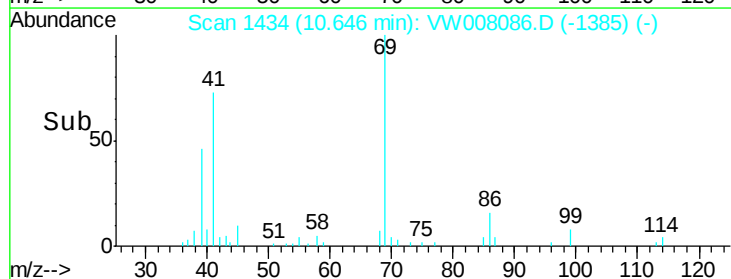
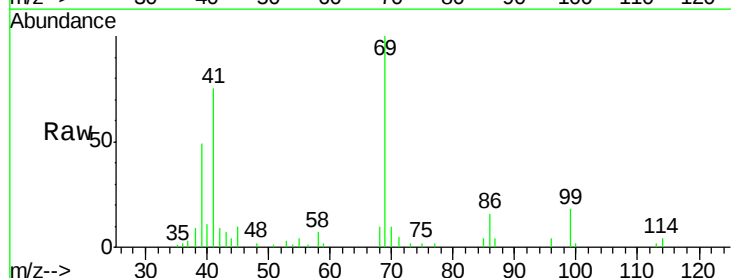
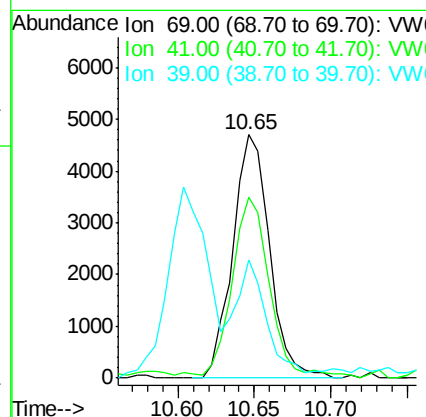
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#56
 Ethyl methacrylate
 Concen: 10.753 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Tgt Ion:	69	Resp:	7864
Ion	Ratio	Lower	Upper
69	100		
41	76.0	56.4	84.6
39	38.3	28.1	42.1





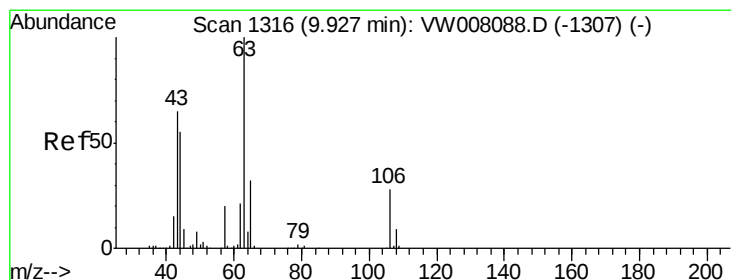
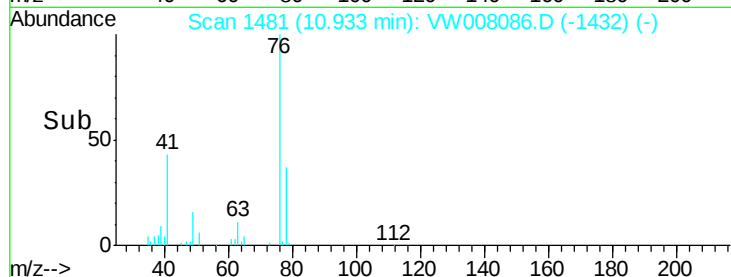
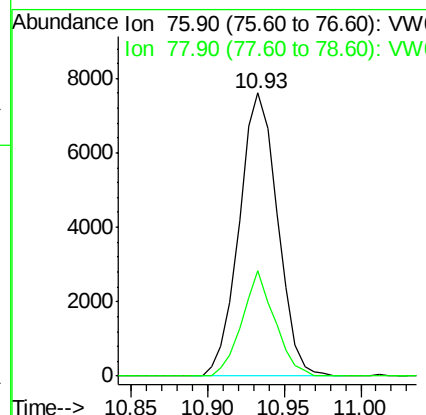
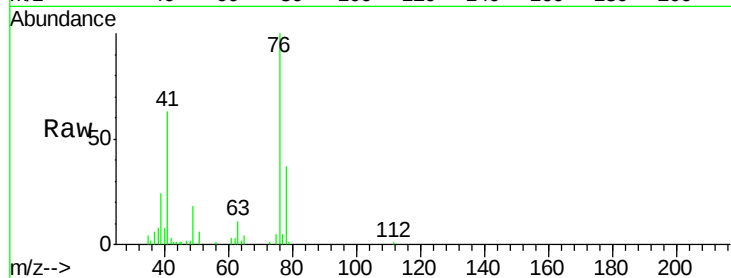
#57
 1,3-Dichloropropane
 Concen: 12.106 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

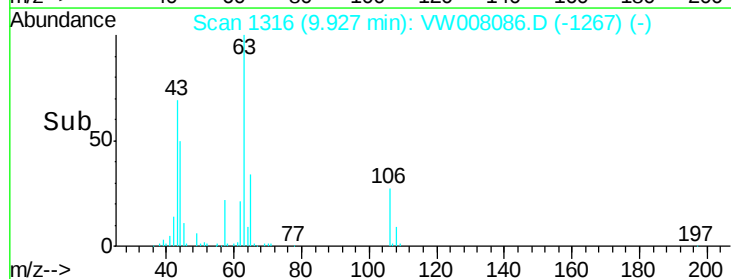
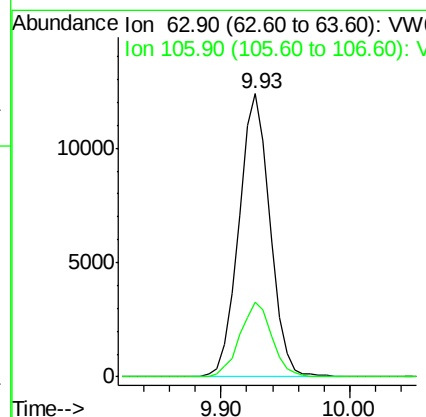
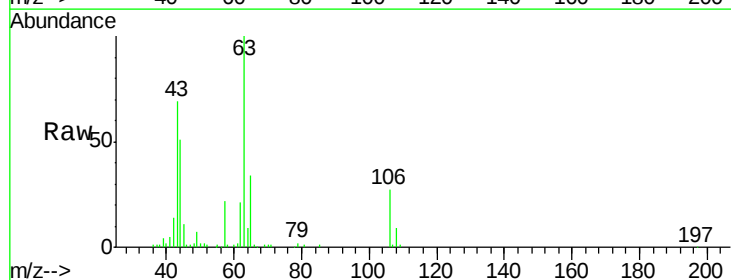
Manual Integrations
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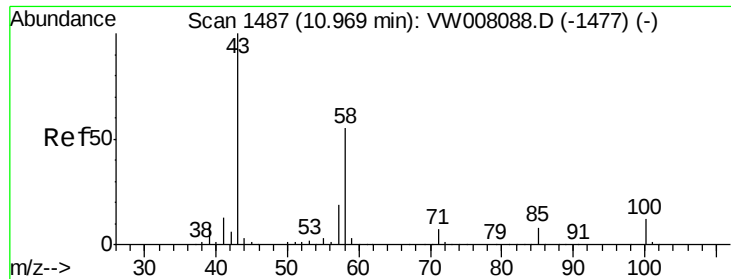
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#58
 2-Chloroethyl Vinyl ether
 Concen: 57.917 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.8	32.6





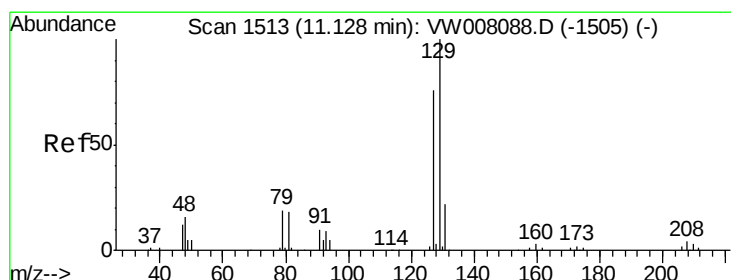
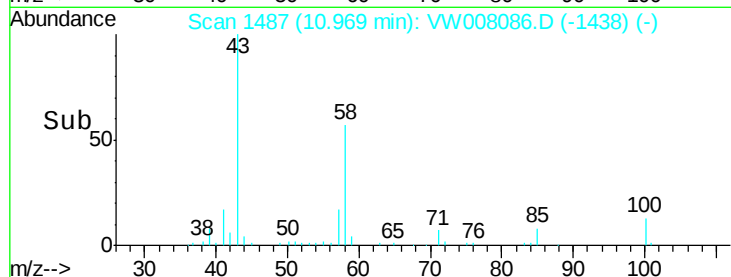
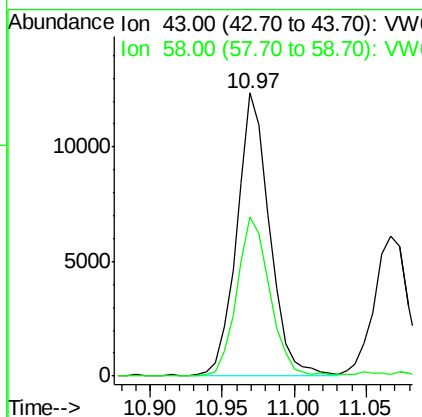
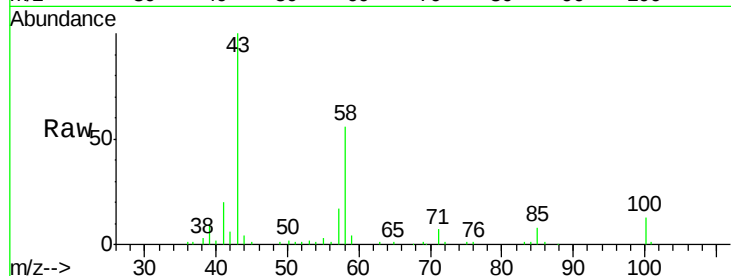
#59
2-Hexanone
Concen: 68.810 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 19518
Ion Ratio Lower Upper
43 100
58 56.7 27.2 81.5

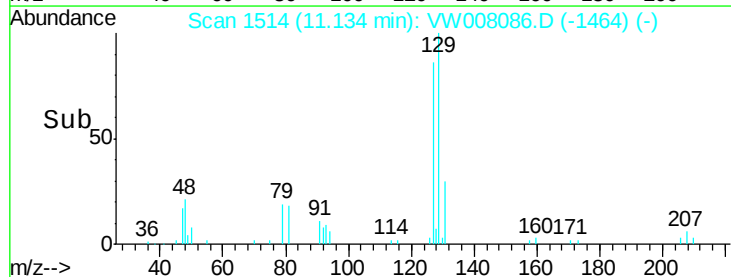
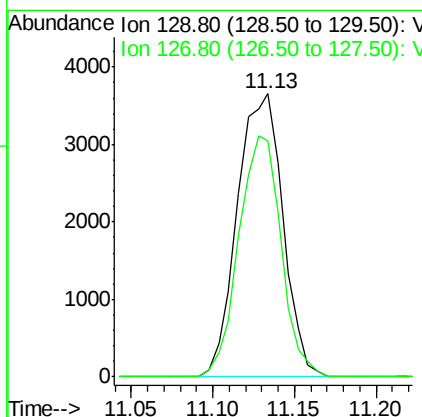
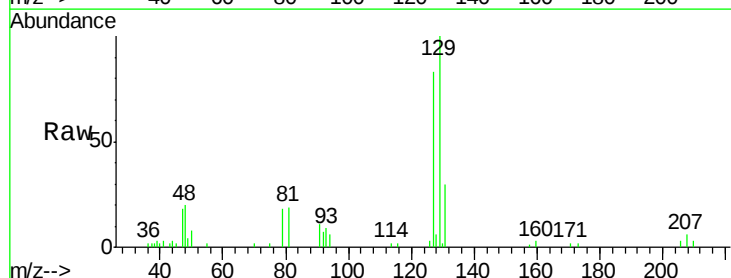
Manual Integrations
APPROVED

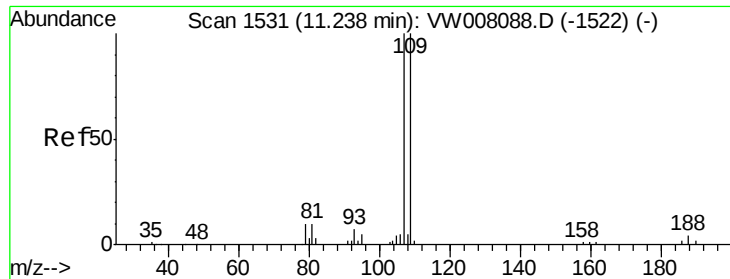
MMDadoda
1/9/2019 11:07:41 AM



#60
Dibromochloromethane
Concen: 8.411 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion: 129 Resp: 7093
Ion Ratio Lower Upper
129 100
127 79.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 10.665 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 6733

Ion Ratio Lower Upper

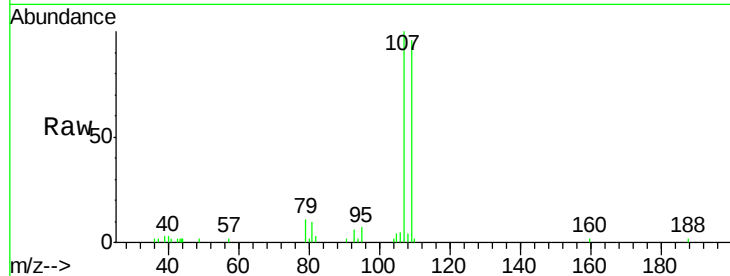
107 100

109 91.1 75.9 113.9

Manual Integrations
APPROVED

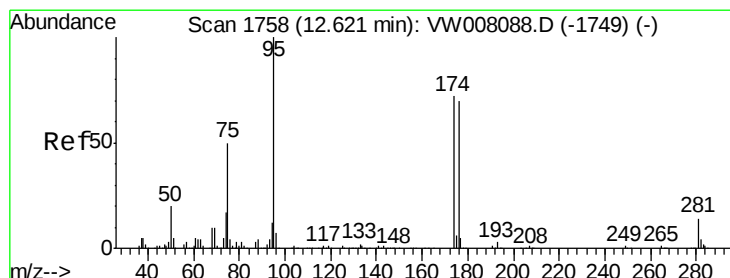
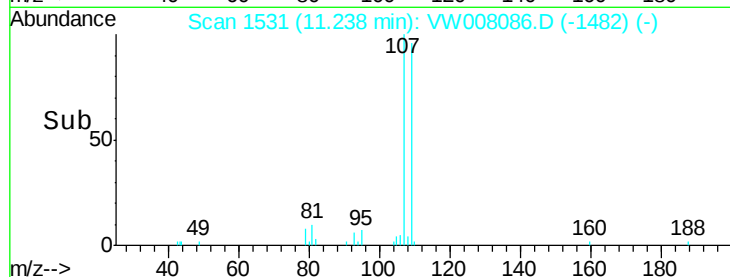
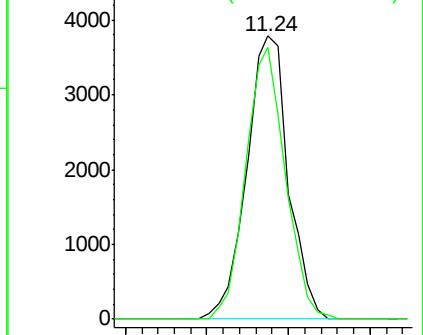
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.591 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

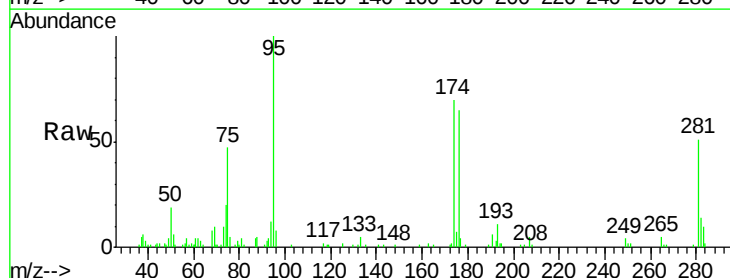
Tgt Ion: 95 Resp: 13596

Ion Ratio Lower Upper

95 100

174 66.9 0.0 143.0

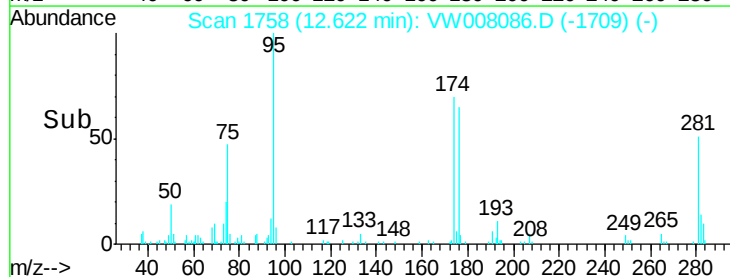
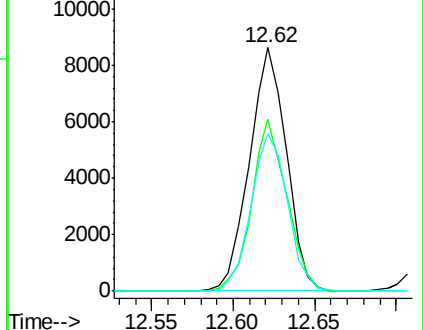
176 64.3 0.0 140.2

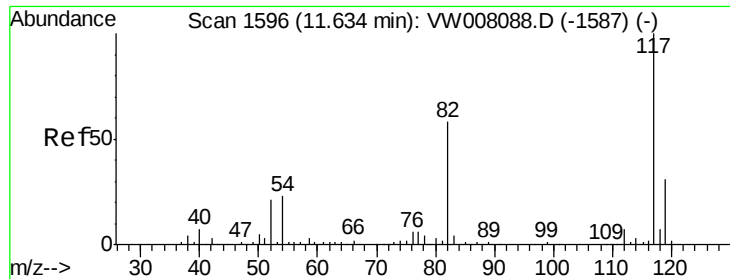


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





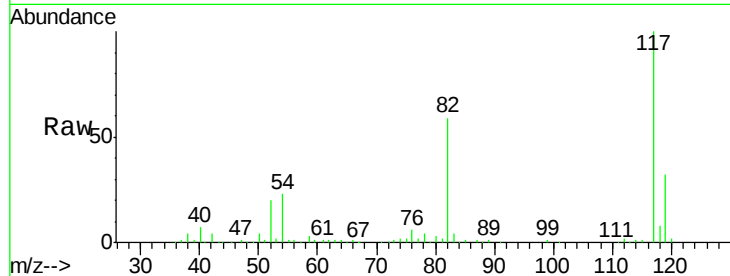
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.4	69.6
119	31.5	24.7	37.1

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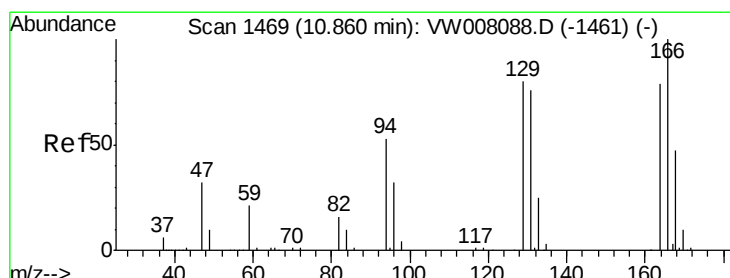
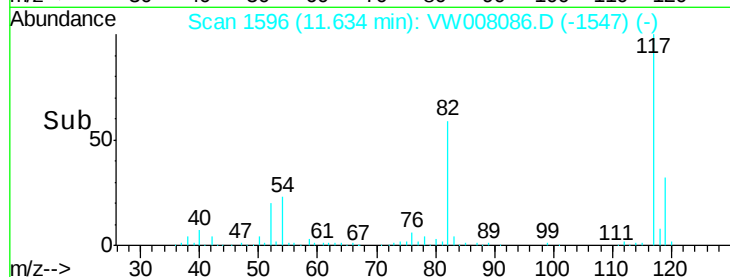
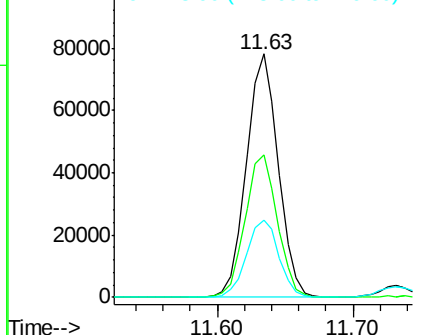


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 9.267 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.7	151.1
129	103.9	81.0	121.4
131	94.8	76.1	114.1

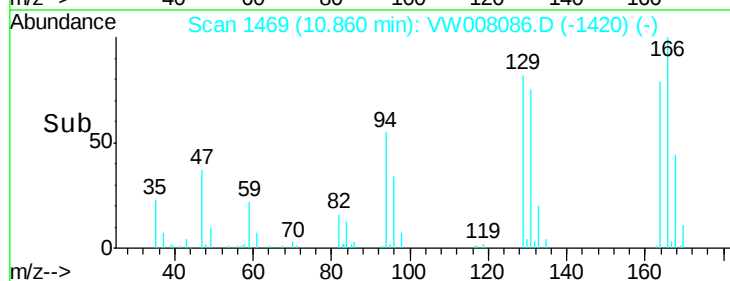
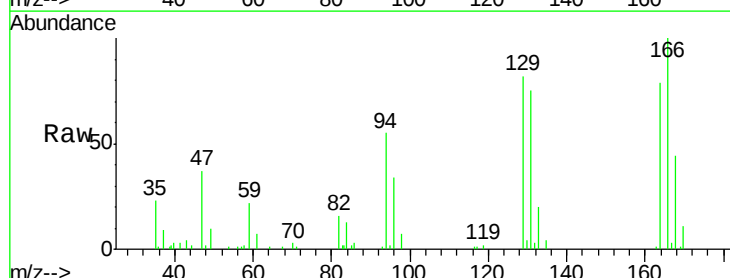
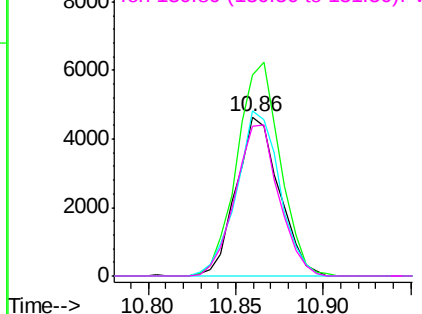
Abundance

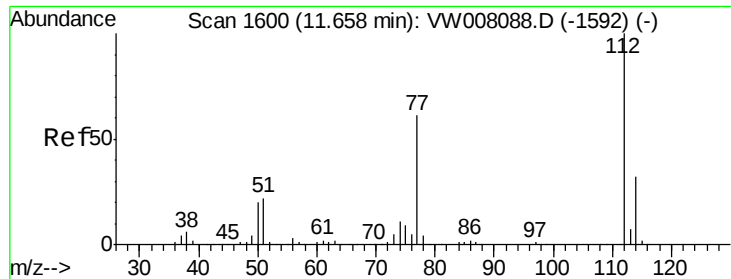
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.342 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:112 Resp: 27788

Ion Ratio Lower Upper

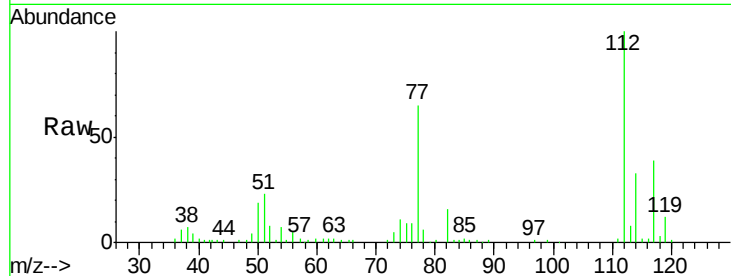
112 100

114 33.4 25.6 38.4

Manual Integrations
APPROVED

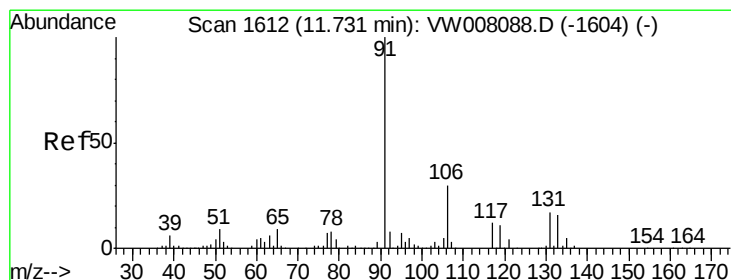
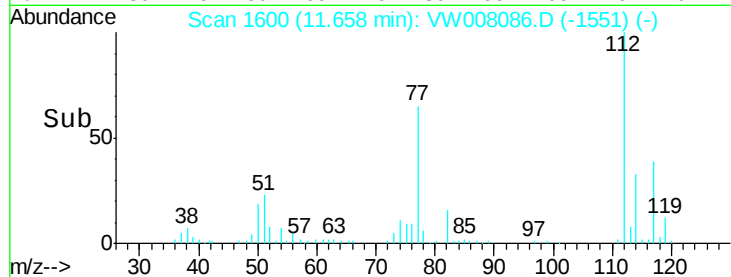
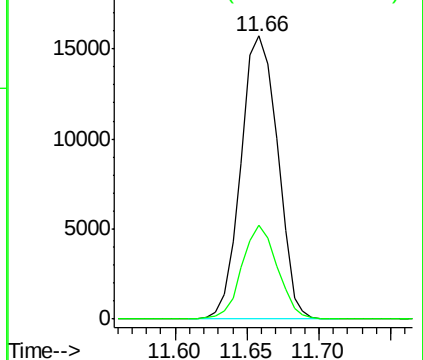
MMDadoda

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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: 8.869 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

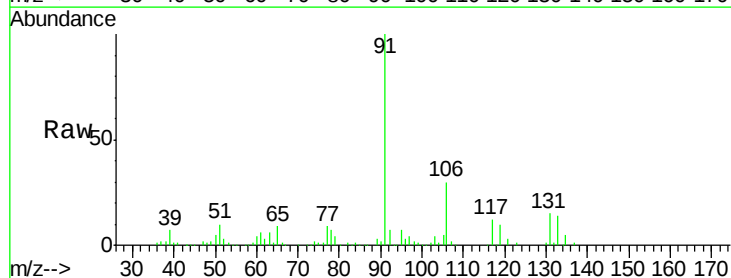
Tgt Ion:131 Resp: 8517

Ion Ratio Lower Upper

131 100

133 93.7 47.9 143.7

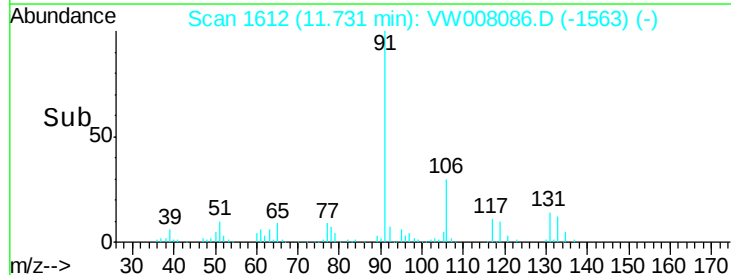
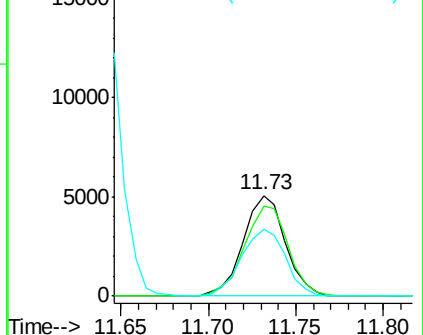
119 70.0 32.5 97.4

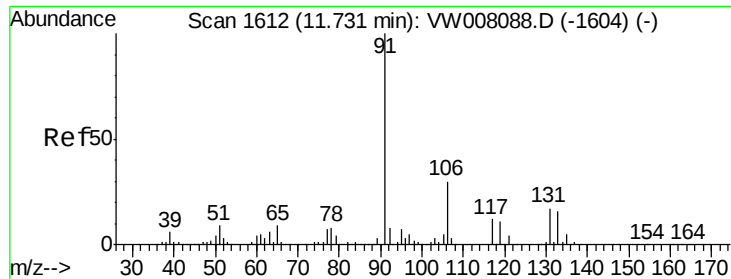


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





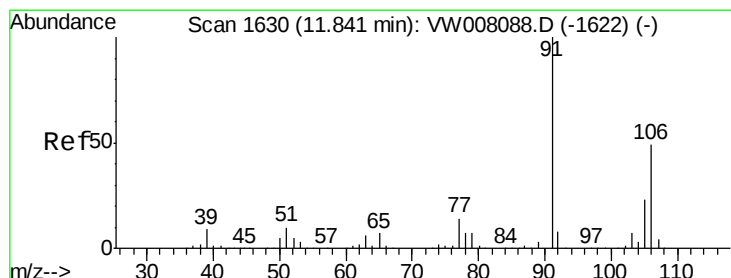
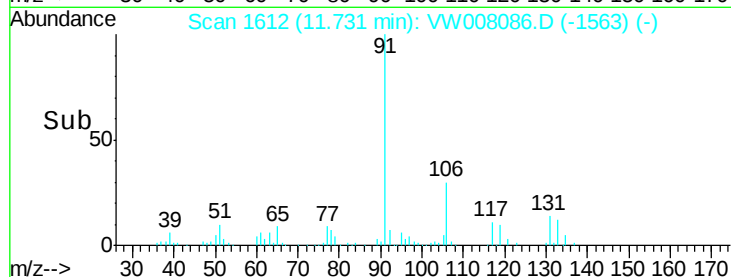
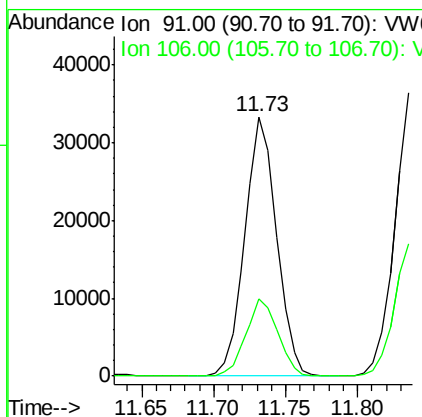
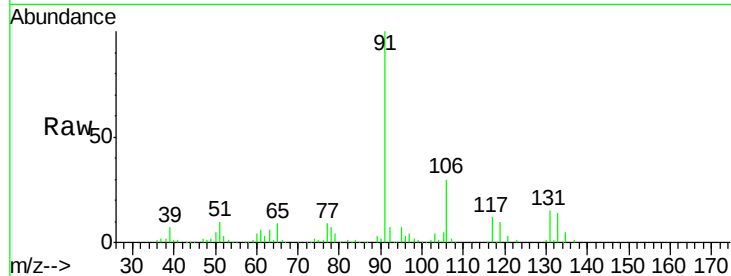
#67
Ethyl Benzene
Concen: 10.554 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 50690
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4

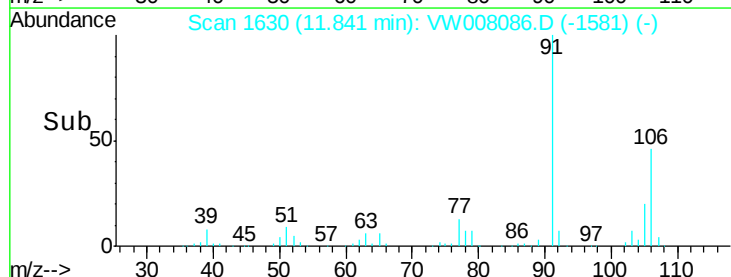
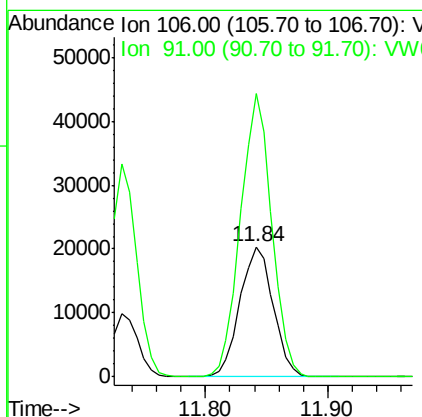
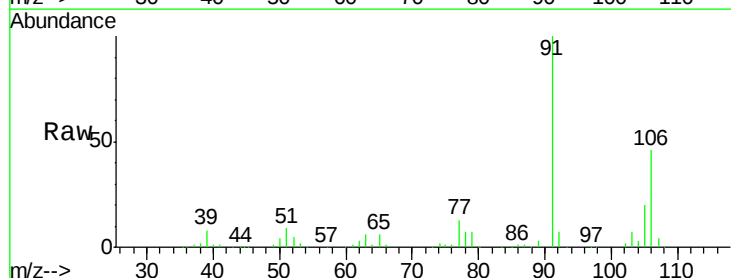
Manual Integrations
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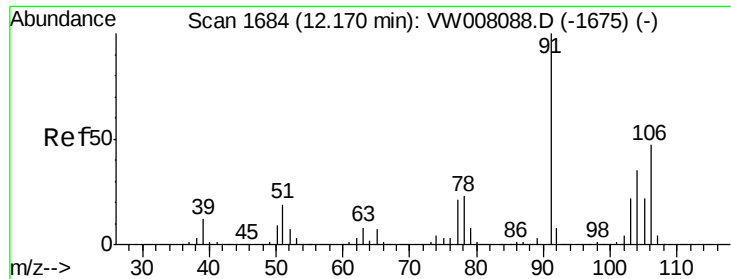
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#68
m/p-Xylenes
Concen: 20.708 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion: 106 Resp: 38352
Ion Ratio Lower Upper
106 100
91 204.9 162.4 243.6





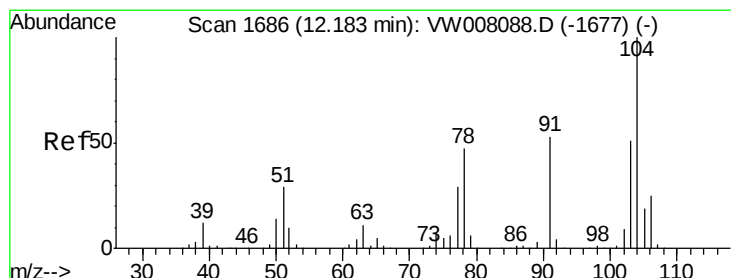
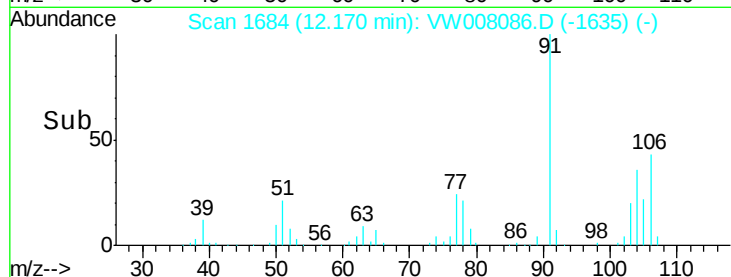
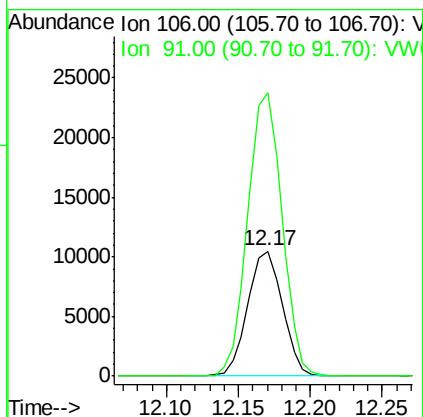
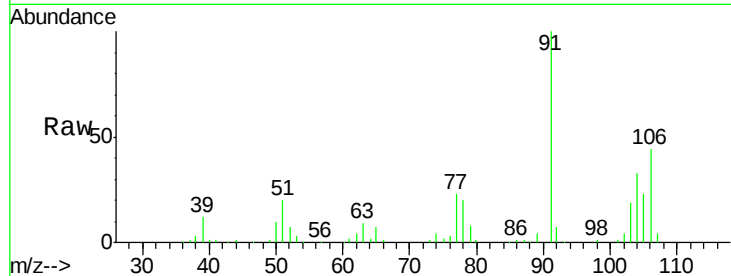
#69
o-Xylene
Concen: 10.209 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 17585
Ion Ratio Lower Upper
106 100
91 222.6 107.8 323.6

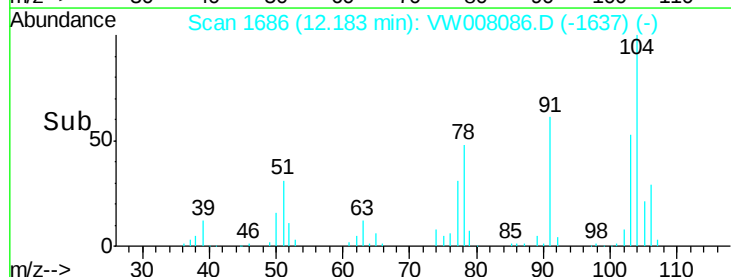
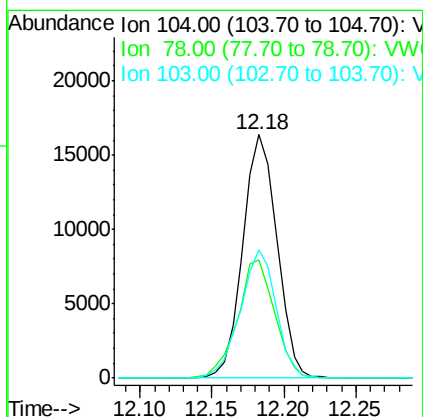
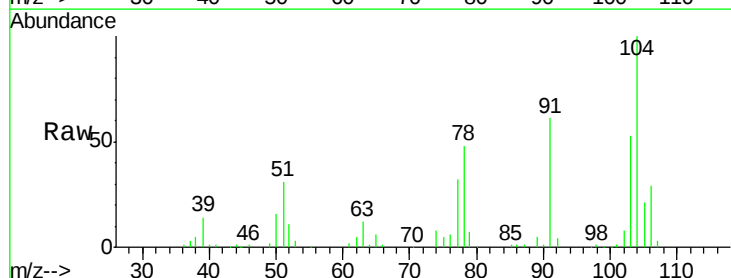
Manual Integrations
APPROVED

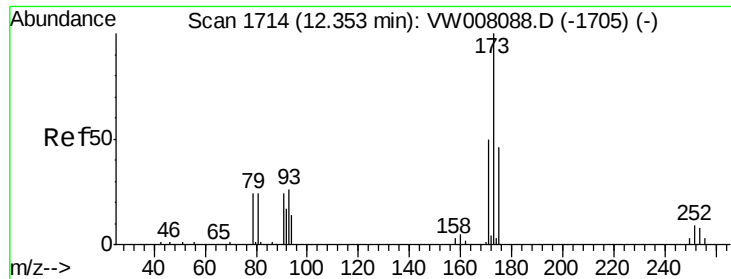
MMDadoda
1/9/2019 11:07:41 AM



#70
Styrene
Concen: 9.633 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion:104 Resp: 26978
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 55.0 43.8 65.8





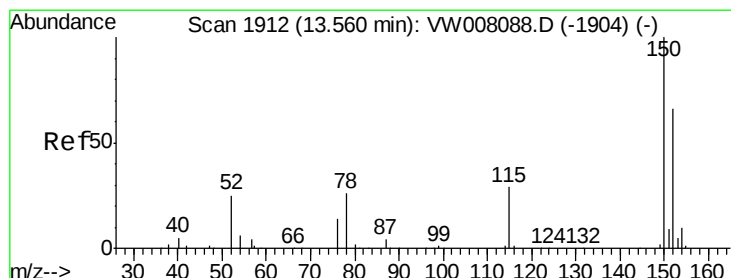
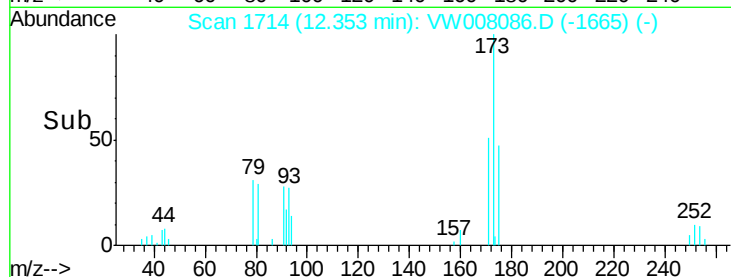
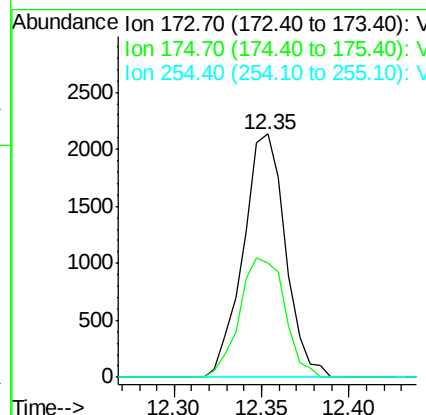
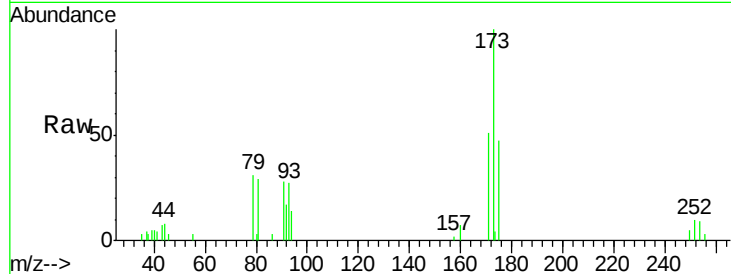
#71
Bromoform
Concen: 8.105 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.6	23.3	69.8
254	0.0	0.0	0.0

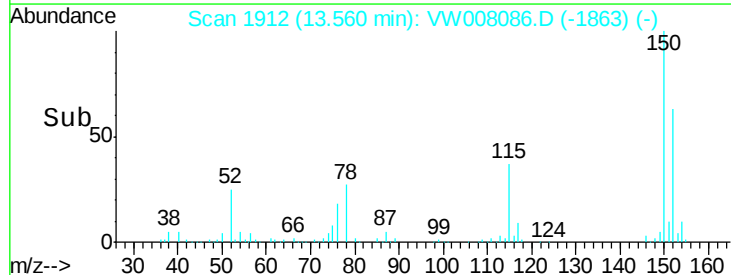
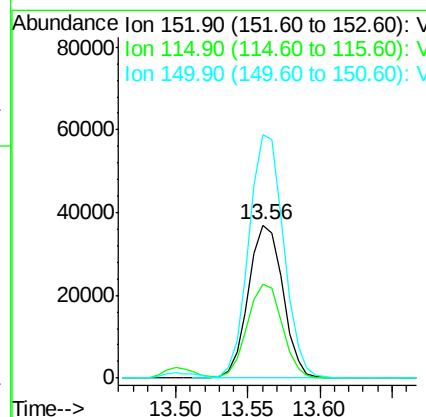
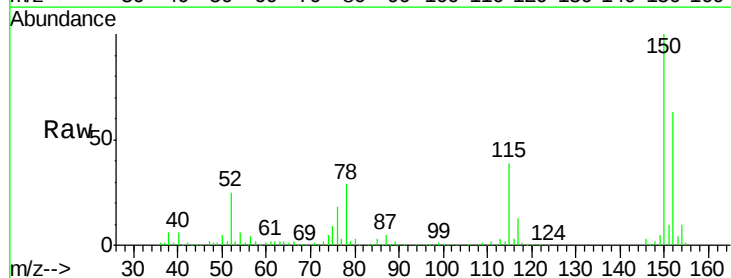
Manual Integrations
APPROVED

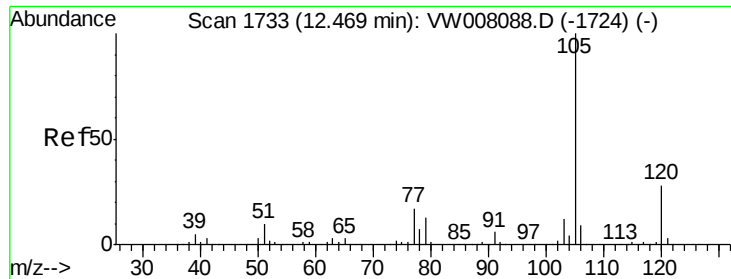
MMDadoda
1/9/2019 11:07:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.8	92.4
150	160.6	0.0	350.2





#73

Isopropylbenzene

Concen: 10.171 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 48713

Ion Ratio Lower Upper

105 100

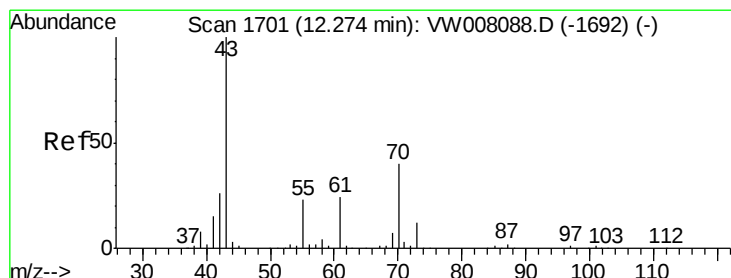
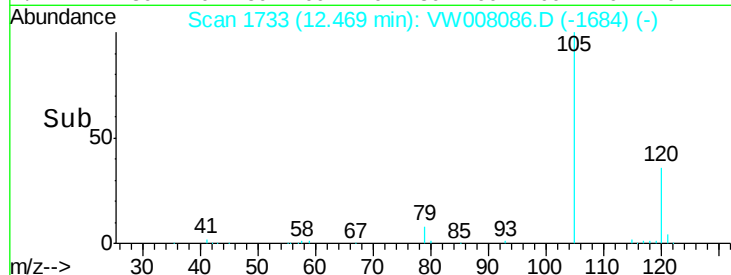
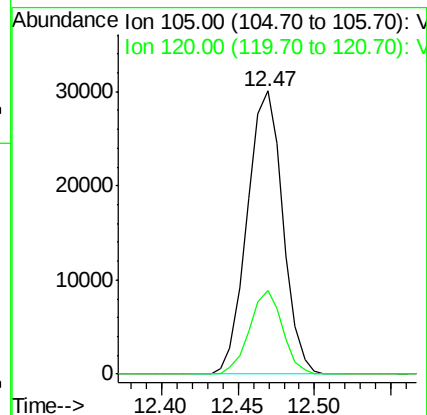
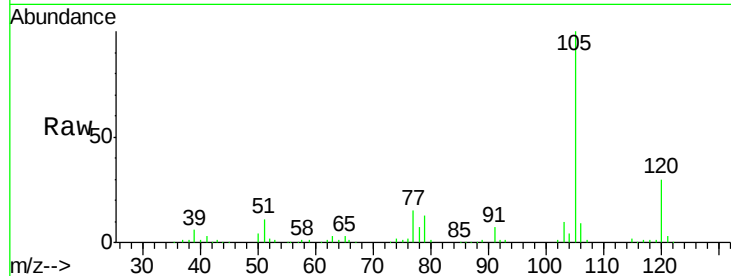
120 27.6 13.6 40.8

Manual Integrations

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1/9/2019 11:07:41 AM



#74

N-ethyl acetate

Concen: 12.989 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion: 43 Resp: 10349

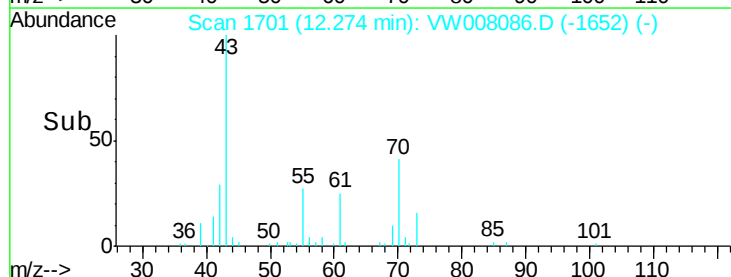
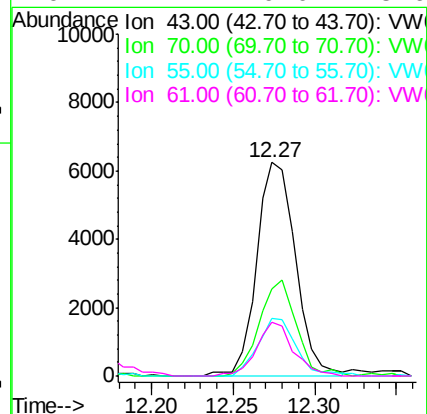
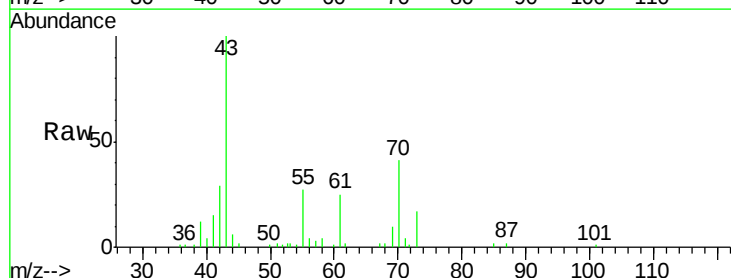
Ion Ratio Lower Upper

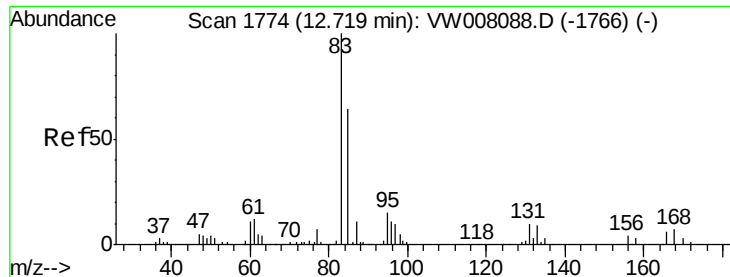
43 100

70 42.9 32.4 48.6

55 26.8 18.7 28.1

61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 12.863 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

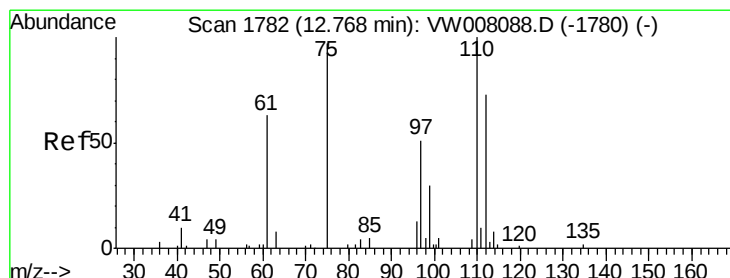
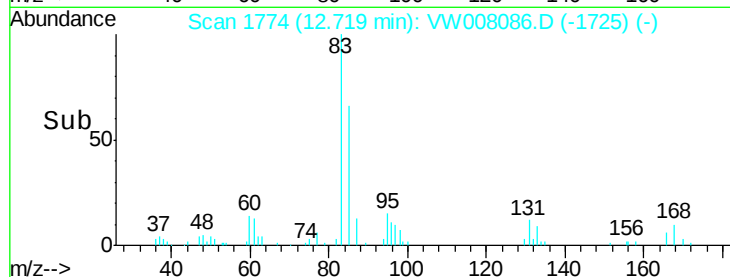
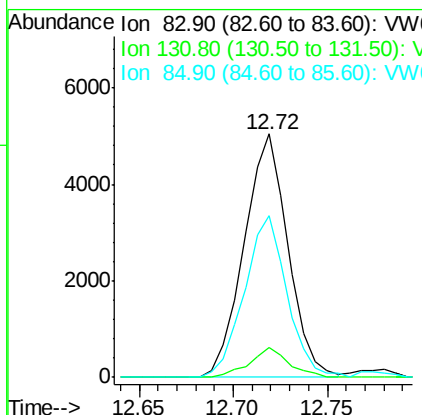
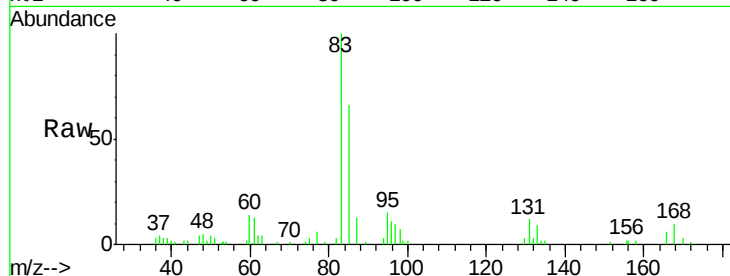
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	8127
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	16.1
85	64.5	32.4	97.2

Manual Integrations
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1/9/2019 11:07:41 AM



#76

1,2,3-Trichloropropane

Concen: 9.113 ug/l m

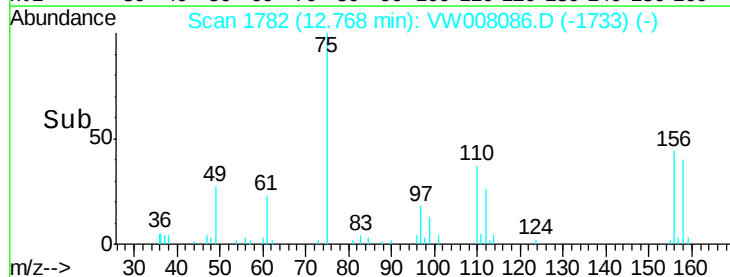
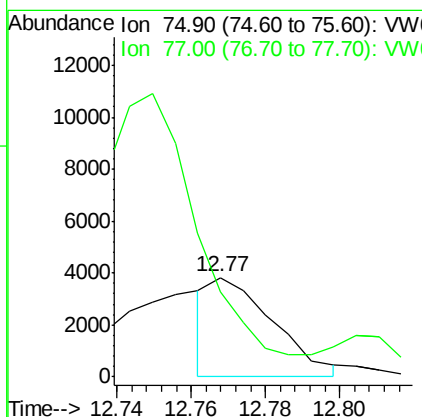
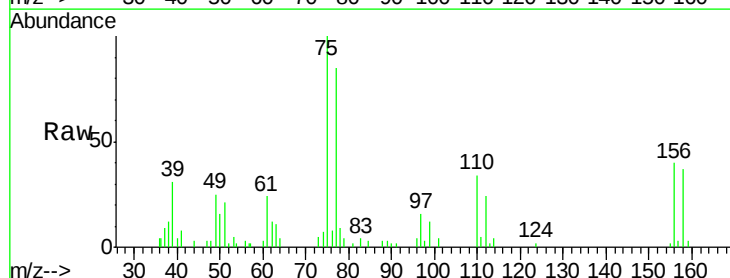
RT: 12.77 min Scan# 1782

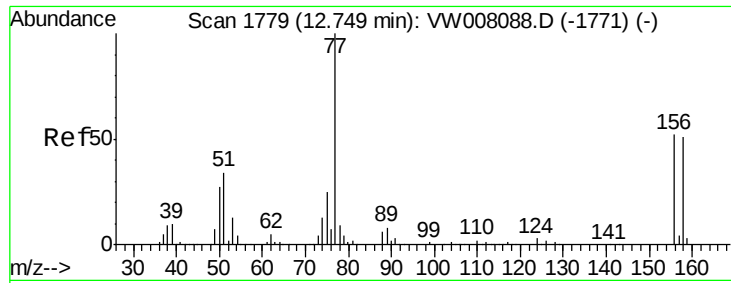
Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion:	75	Resp:	4480
Ion	Ratio	Lower	Upper
75	100		
77	463.2	179.4	538.2





#77

Bromobenzene

Concen: 9.868 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 10070

Ion Ratio Lower Upper

156 100

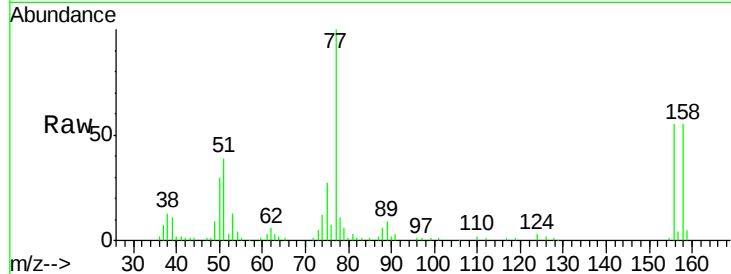
77 206.1 104.2 312.5

158 95.0 47.9 143.6

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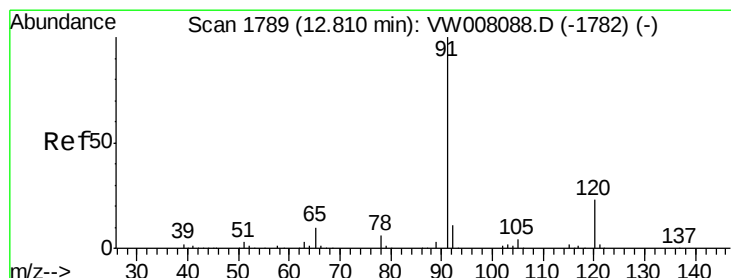
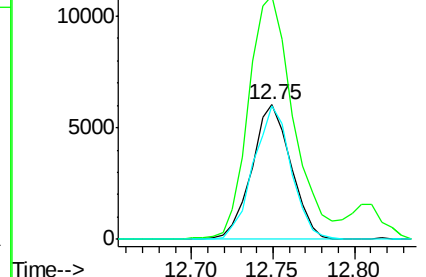
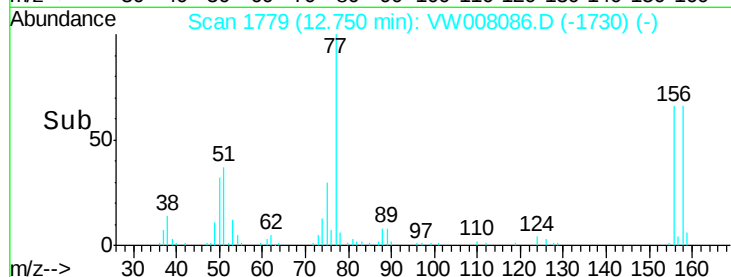
1/9/2019 11:07:41 AM



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: 10.721 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008086.D

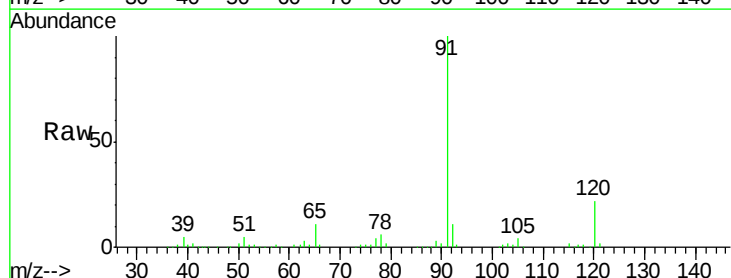
Acq: 08 Jan 2019 15:36

Tgt Ion: 91 Resp: 60200

Ion Ratio Lower Upper

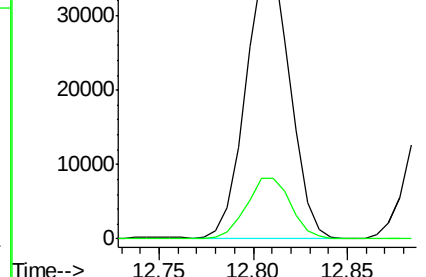
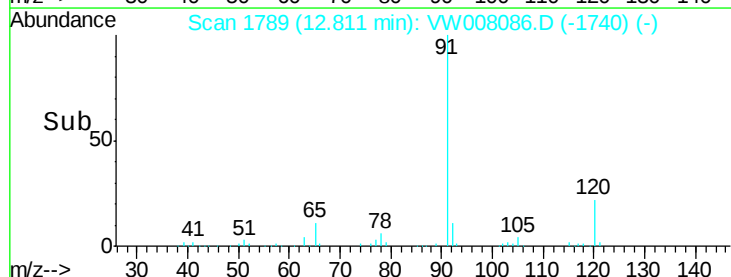
91 100

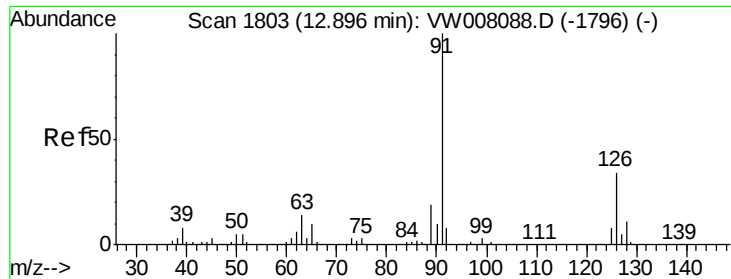
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.649 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 34320

Ion Ratio Lower Upper

91 100

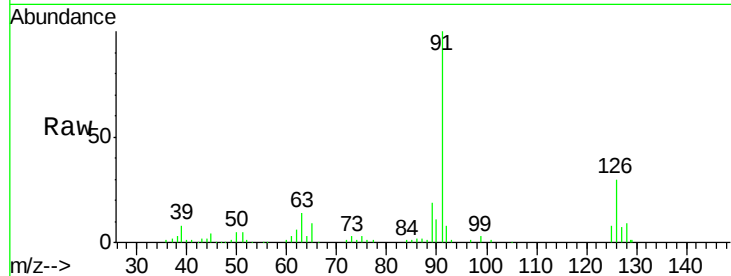
126 30.7 16.8 50.3

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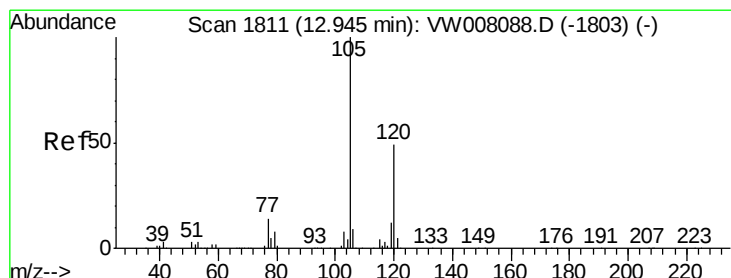
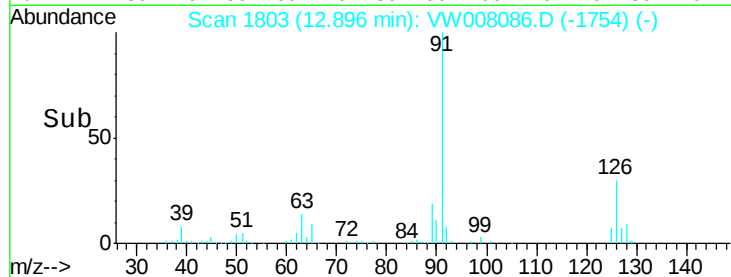
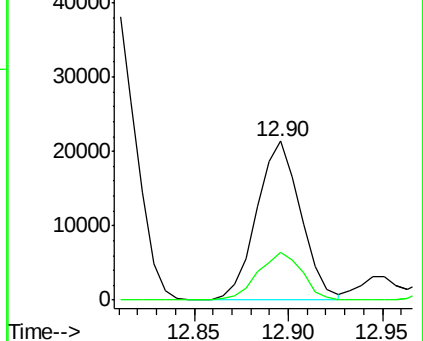
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.827 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008086.D

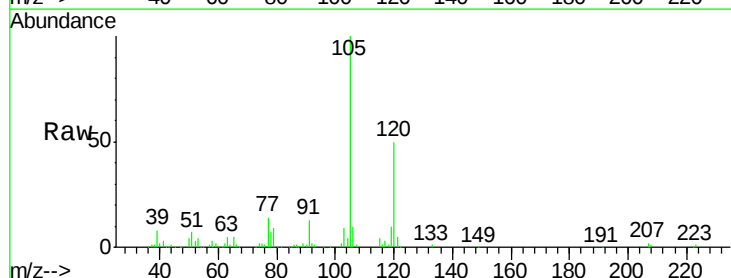
Acq: 08 Jan 2019 15:36

Tgt Ion:105 Resp: 40224

Ion Ratio Lower Upper

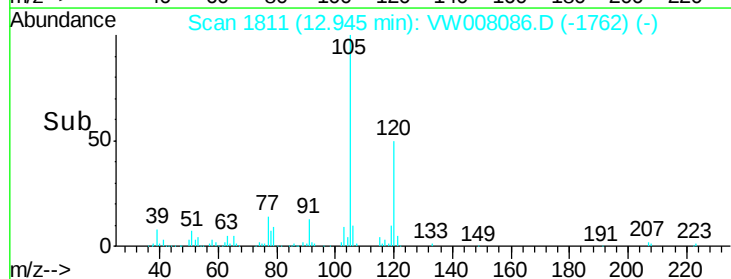
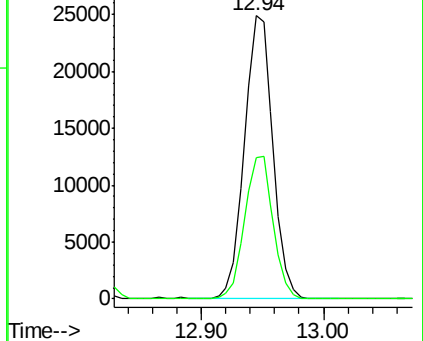
105 100

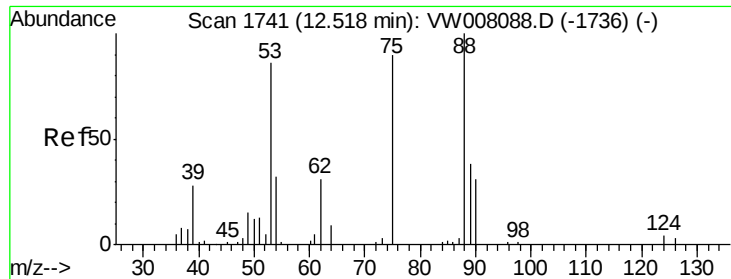
120 50.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





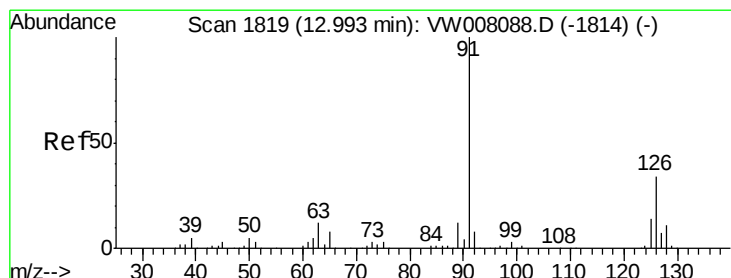
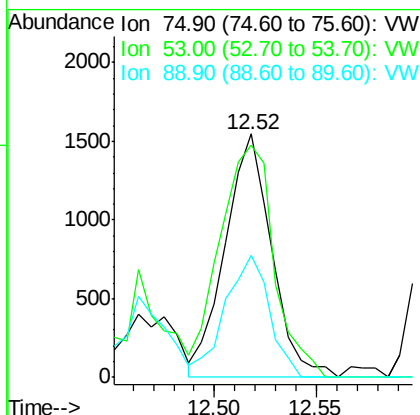
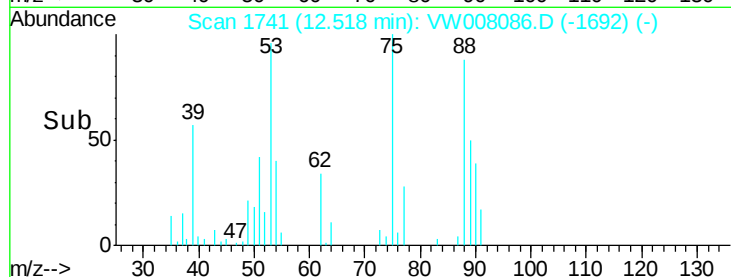
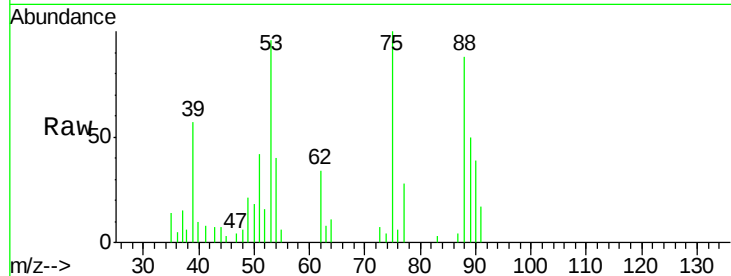
#81
trans-1,4-Dichloro-2-butene
Concen: 11.694 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.3	78.8	118.2
89	47.8	35.4	53.2

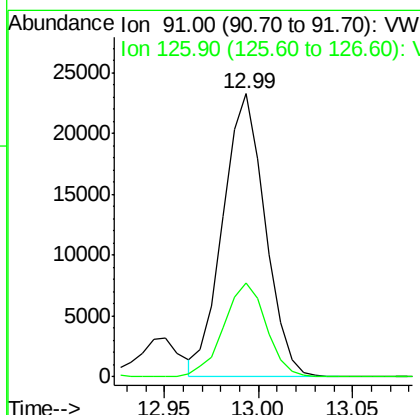
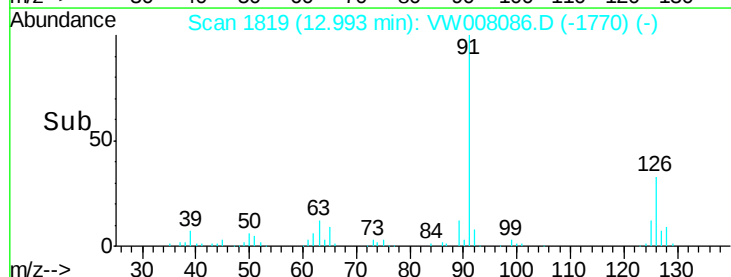
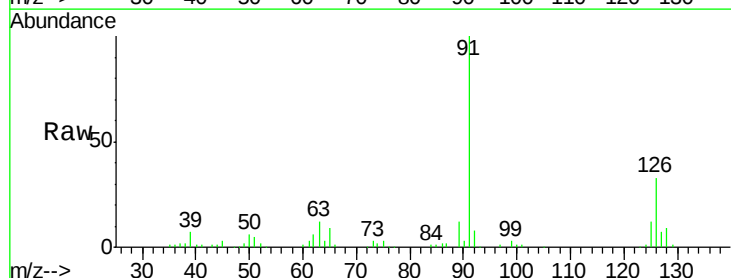
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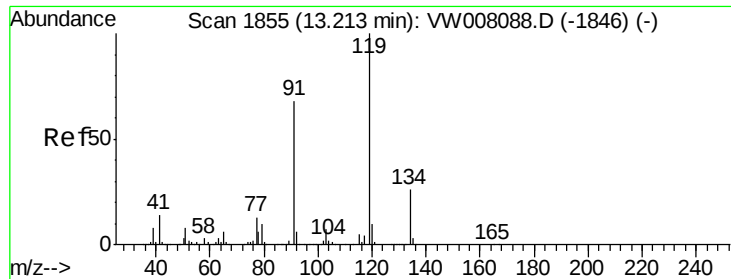
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#82
4-Chlorotoluene
Concen: 10.606 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





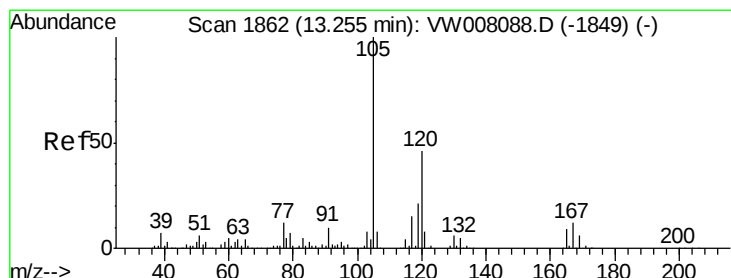
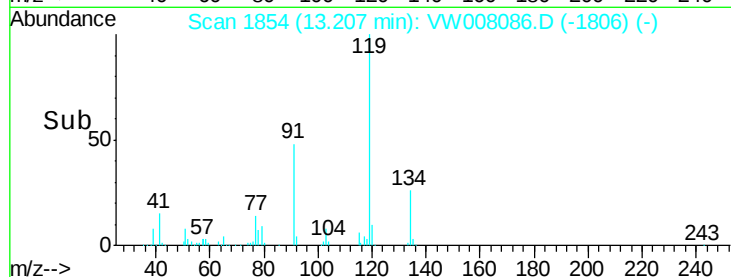
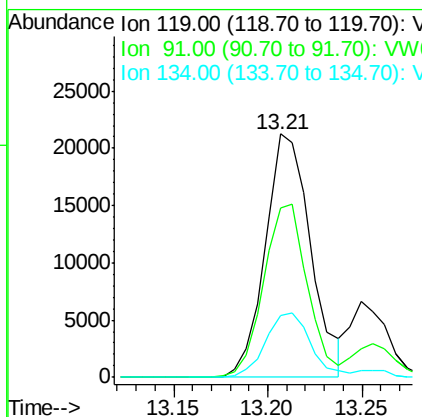
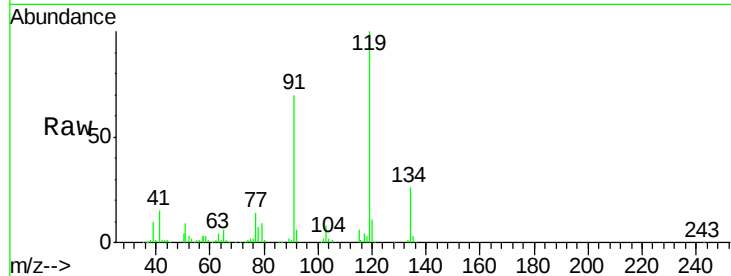
#83
 tert-Butylbenzene
 Concen: 9.911 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.9	101.6
134	26.4	13.6	40.8

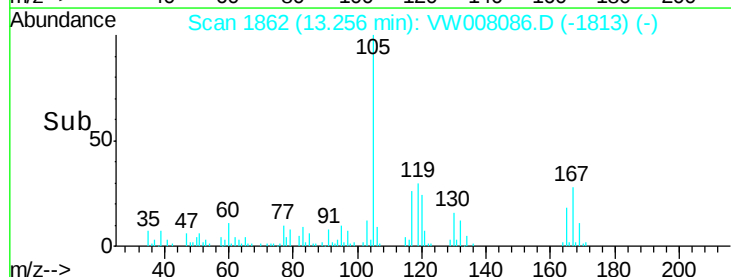
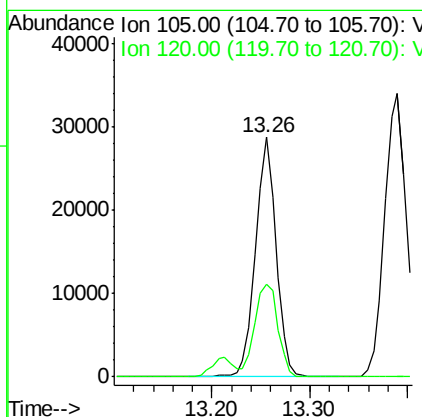
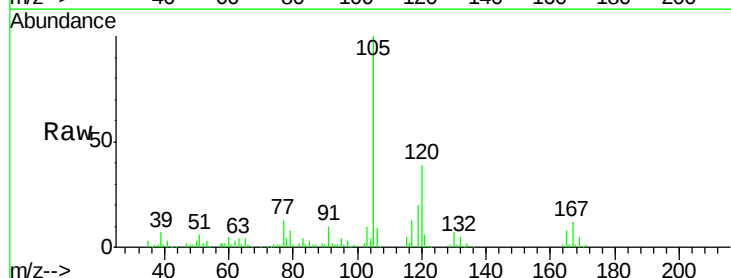
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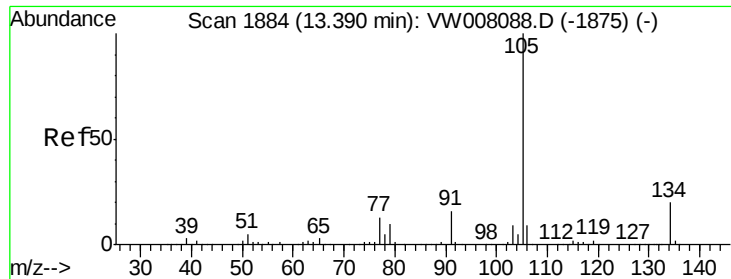
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.174 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008086.D
 Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 10.455 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 52175

Ion Ratio Lower Upper

105 100

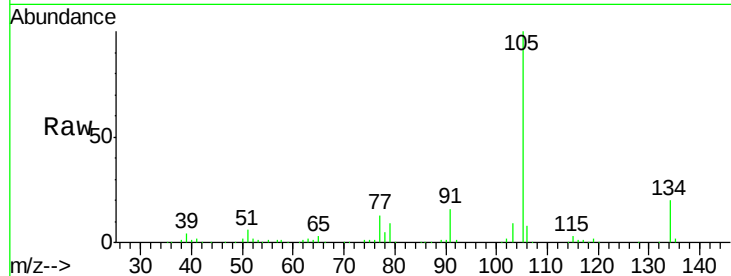
134 20.0 10.1 30.1

Manual Integrations

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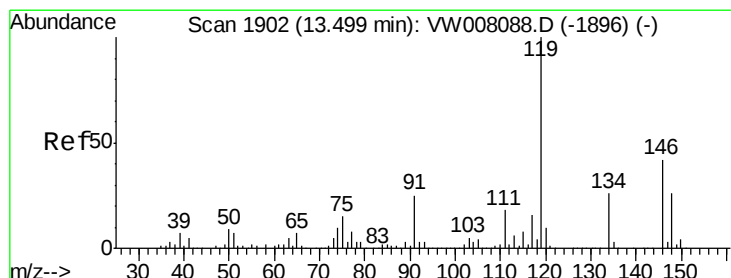
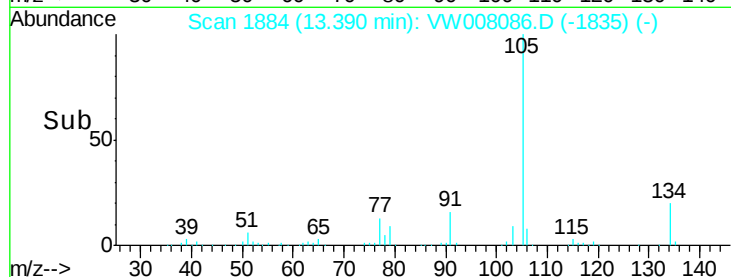
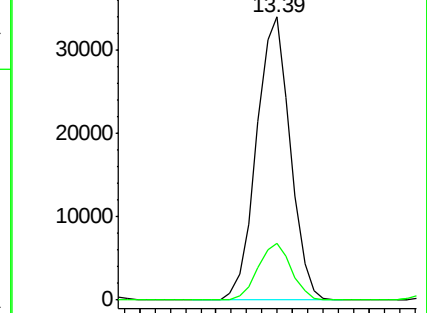
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.983 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

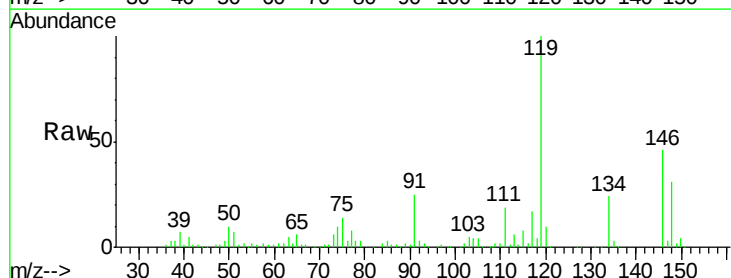
Tgt Ion:119 Resp: 44685

Ion Ratio Lower Upper

119 100

134 25.6 13.3 39.8

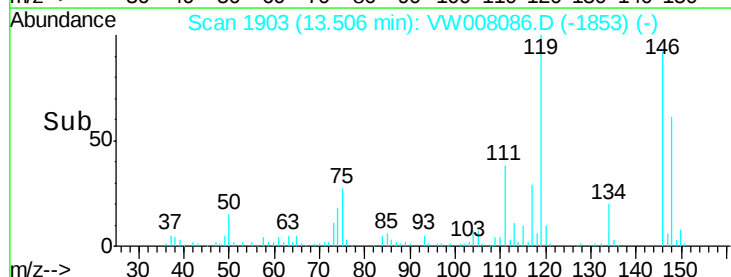
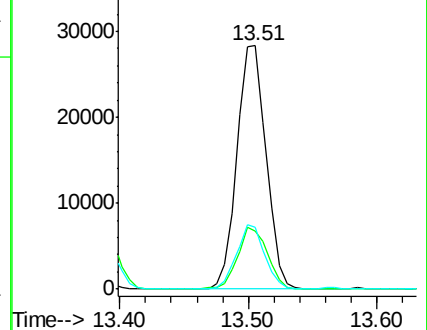
91 25.4 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 9.817 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

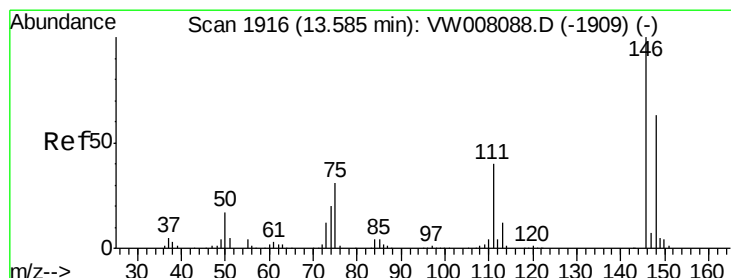
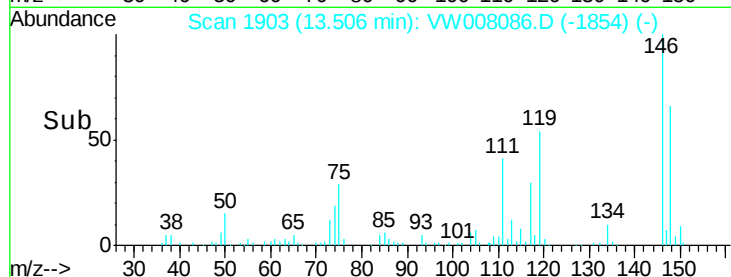
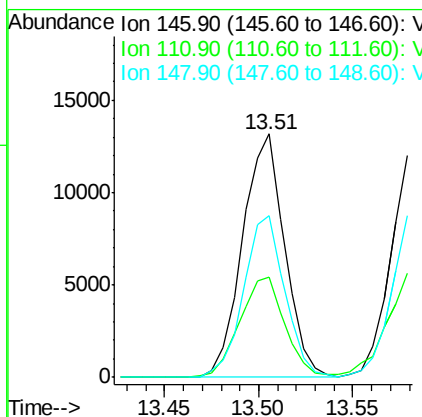
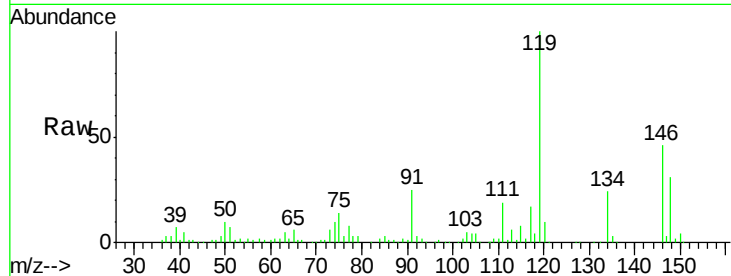
Instrument :
MSVOA_W

ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.1
148	65.1	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 10.569 ug/l

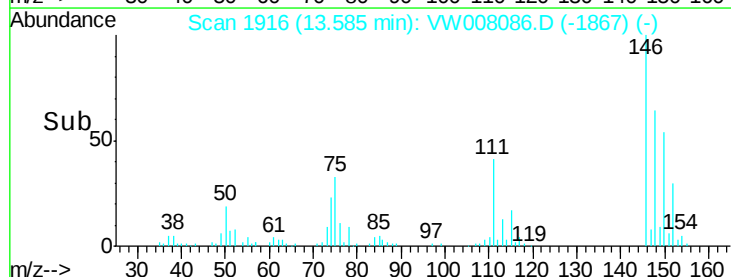
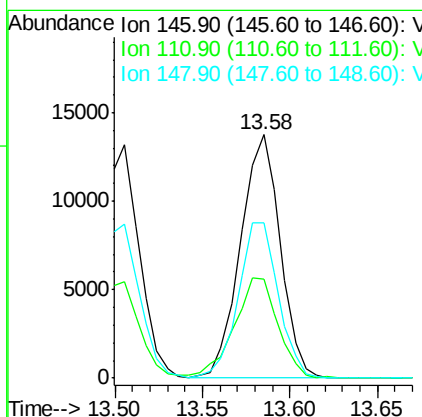
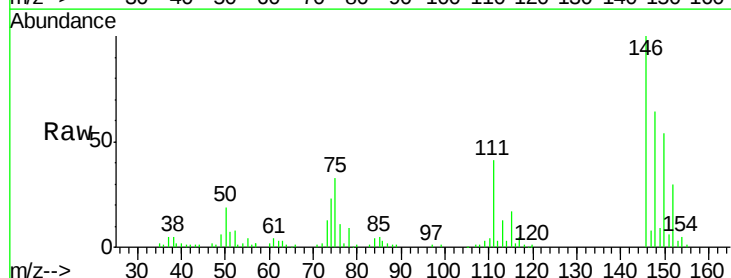
RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	20.5	61.5
148	64.0	31.6	94.8





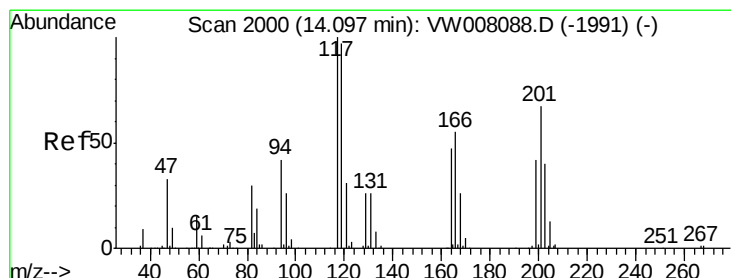
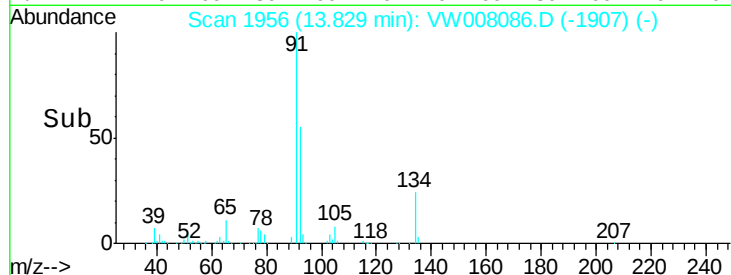
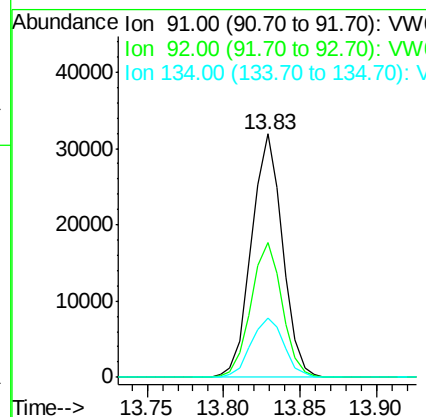
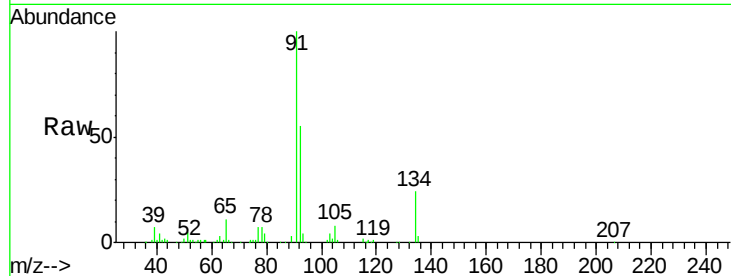
#89
n-Butylbenzene
Concen: 10.894 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.0	27.4	82.2
134	25.9	12.6	37.8

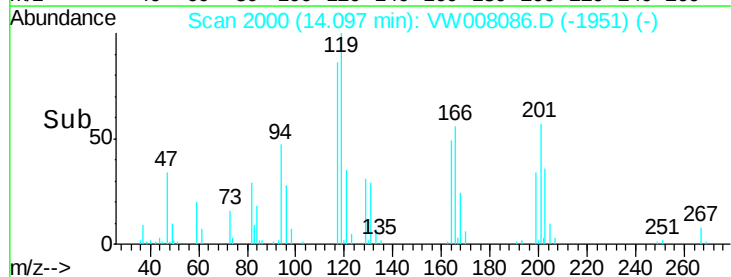
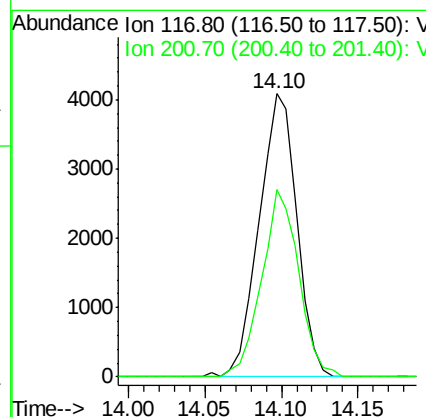
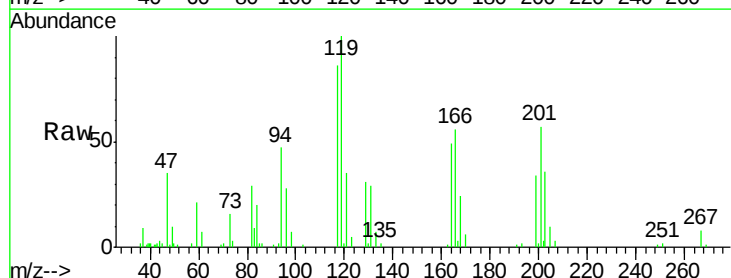
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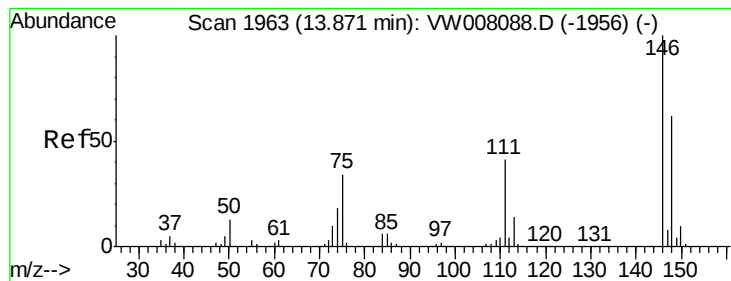
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#90
Hexachloroethane
Concen: 9.054 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.9	33.0	98.9





#91

1,2-Dichlorobenzene

Concen: 10.165 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008086.D

Acq: 08 Jan 2019 15:36

Instrument :

MSVOA_W

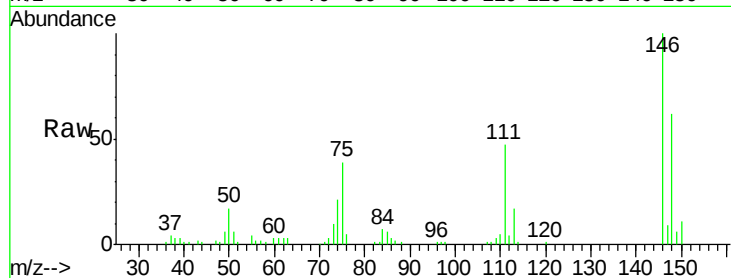
ClientSampled :

VSTDIC010

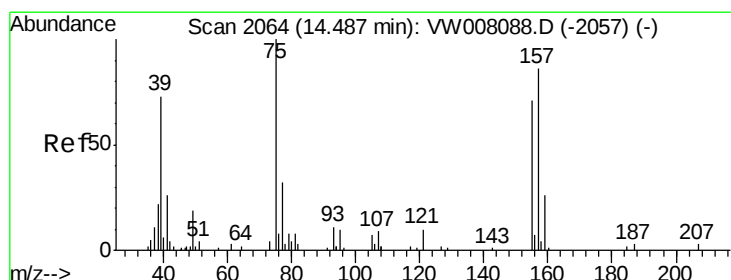
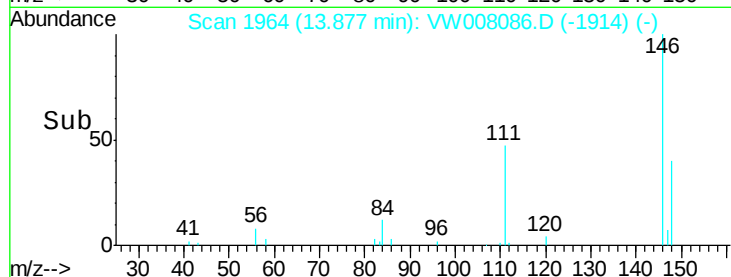
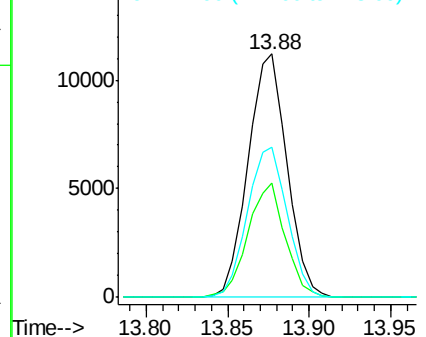
Tot Ion:	146	Resp:	18576
Ion Ratio	Lower	Upper	
146	100		
111	44.9	21.3	63.7
148	63.1	31.5	94.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.619 ug/l

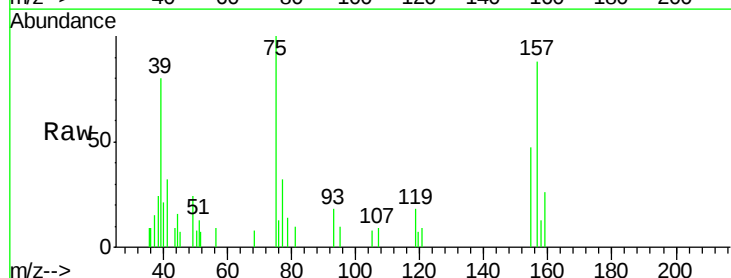
RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

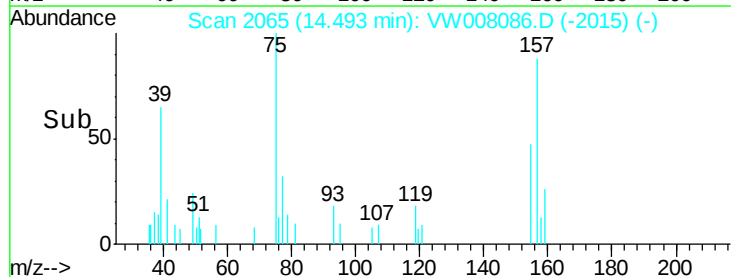
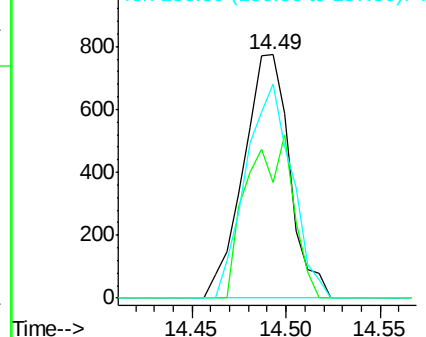
Lab File: VW008086.D

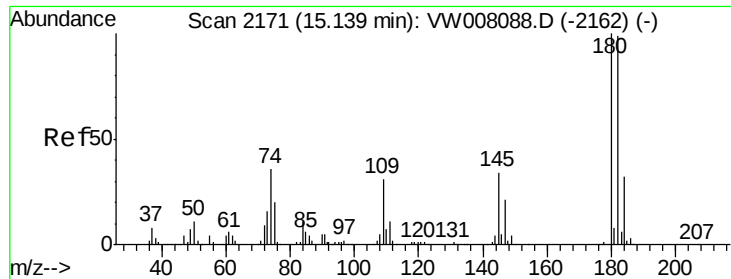
Acq: 08 Jan 2019 15:36

Tgt Ion:	75	Resp:	1320
Ion Ratio	Lower	Upper	
75	100		
155	65.7	38.6	115.7
157	87.6	47.5	142.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





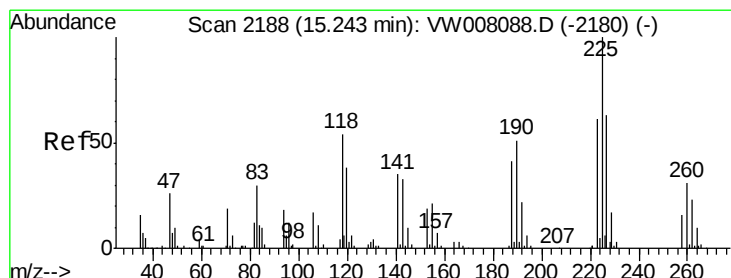
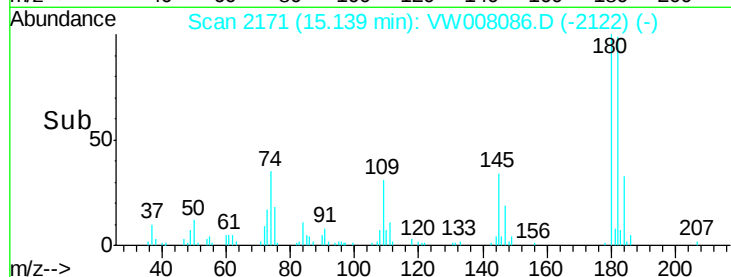
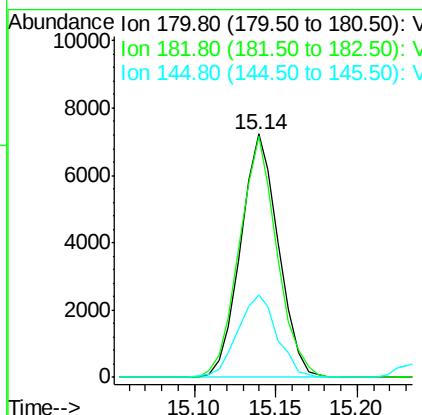
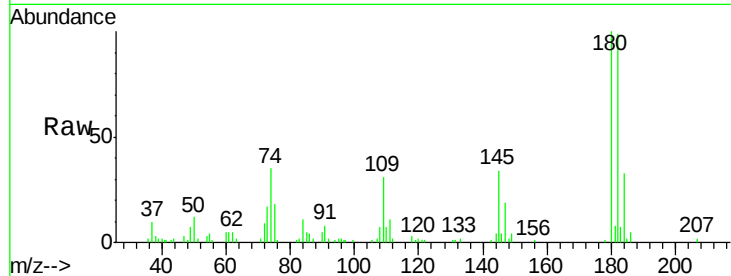
#93
1,2,4-Trichlorobenzene
Concen: 9.226 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	48.6	145.9
145	35.4	16.6	49.7

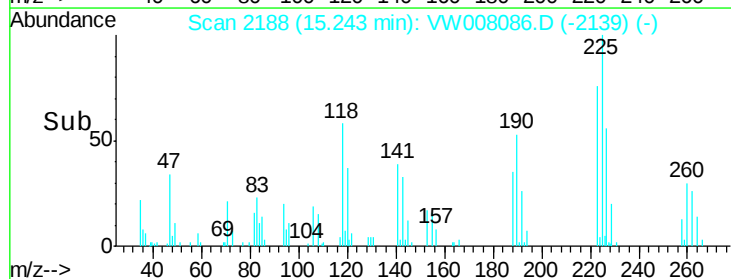
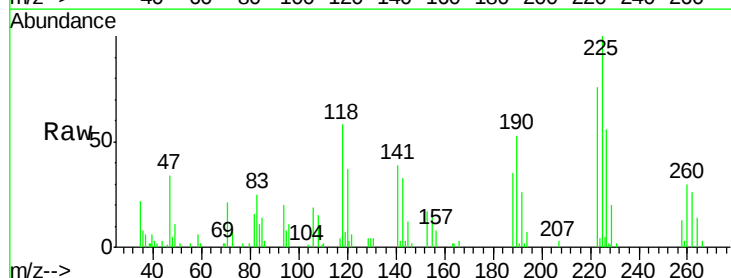
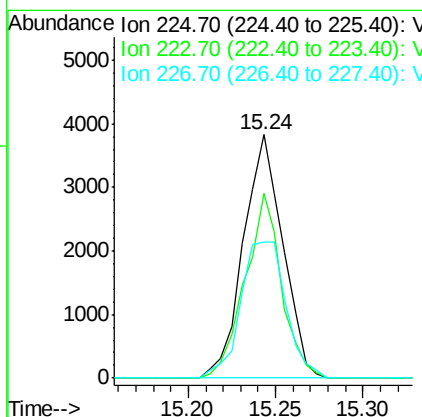
Manual Integrations
APPROVED

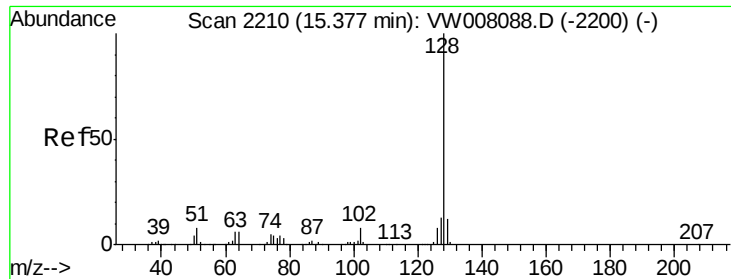
MMDadoda
1/9/2019 11:07:41 AM



#94
Hexachlorobutadiene
Concen: 8.277 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.4	31.4	94.3
227	65.1	32.0	96.2





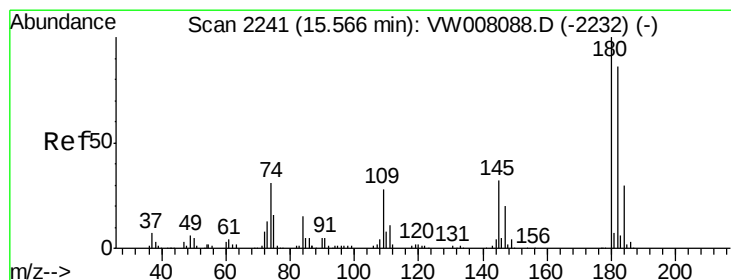
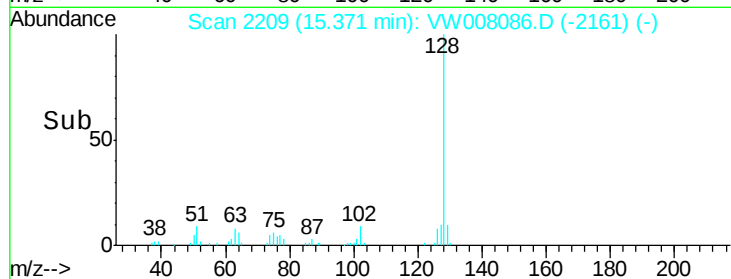
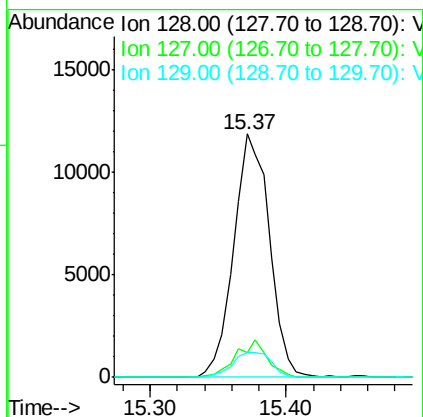
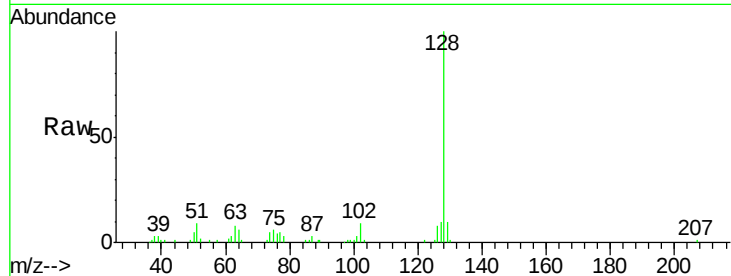
#95
Naphthalene
Concen: 9.948 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:07:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.615 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008086.D
Acq: 08 Jan 2019 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.5	139.3
145	35.6	17.4	52.2

