

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008168.D
 Acq On : 11 Jan 2019 01:34
 Operator : SY/AP
 Sample : VW0110SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:28:05 PM

Quant Time: Jan 11 07:10:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	161797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	150962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	54679	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	51692	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
50) Toluene-d8	10.32	98	209369	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.62	95	73913	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12819	17.905	ug/l	91
3) Chloromethane	2.21	50	18622	20.049	ug/l	97
4) Vinyl Chloride	2.37	62	23757	19.597	ug/l	91
5) Bromomethane	2.78	94	21520	23.697	ug/l	92
6) Chloroethane	2.92	64	15992	17.531	ug/l	99
7) Trichlorofluoromethane	3.26	101	16688	16.933	ug/l	94
8) Diethyl Ether	3.68	74	12560	22.543	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	19473	19.901	ug/l	98
10) Methyl Iodide	4.26	142	30680	21.513	ug/l	100
11) Tert butyl alcohol	5.20	59	7860	115.491	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	19759	20.568	ug/l	91
13) Acrolein	3.90	56	5923	89.272	ug/l	99
14) Allyl chloride	4.67	41	36692	21.036	ug/l	96
15) Acrylonitrile	5.37	53	26479	124.831	ug/l	98
16) Acetone	4.13	43	21151	107.271	ug/l	97
17) Carbon Disulfide	4.37	76	58328	19.436	ug/l	98
18) Methyl Acetate	4.67	43	14733	23.643	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	35433	22.687	ug/l	99
20) Methylene Chloride	4.91	84	23857	21.871	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	22203	21.267	ug/l	85
22) Diisopropyl ether	6.31	45	71610	21.527	ug/l #	98
23) Vinyl Acetate	6.26	43	199353	114.106	ug/l	98
24) 1,1-Dichloroethane	6.21	63	41450	21.386	ug/l	95
25) 2-Butanone	7.18	43	31492	114.799	ug/l	99
26) 2,2-Dichloropropane	7.16	77	24189	18.419	ug/l	94
27) cis-1,2-Dichloroethene	7.16	96	25169	22.097	ug/l	95
28) Bromochloromethane	7.51	49	17283	22.544	ug/l	99
29) Tetrahydrofuran	7.54	42	23270	126.989	ug/l	96
30) Chloroform	7.68	83	40661	22.040	ug/l	95
31) Cyclohexane	7.95	56	37304	17.979	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	32976	20.542	ug/l	99
36) 1,1-Dichloropropene	8.08	75	31625	18.975	ug/l	98
37) Ethyl Acetate	7.26	43	14932	22.363	ug/l	96
38) Carbon Tetrachloride	8.07	117	29114	19.085	ug/l	96

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 APPROVED

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37465	17.728	ug/l	92
40) Benzene	8.32	78	92642	20.494	ug/l	99
41) Methacrylonitrile	7.48	41	8798	20.858	ug/l	96
42) 1,2-Dichloroethane	8.40	62	26954	21.200	ug/l	96
43) Isopropyl Acetate	8.43	43	30286	22.686	ug/l	99
44) Trichloroethene	9.09	130	23167	20.020	ug/l	96
45) 1,2-Dichloropropane	9.37	63	22960	20.484	ug/l	99
46) Dibromomethane	9.46	93	12426	22.573	ug/l	99
47) Bromodichloromethane	9.65	83	29838	21.347	ug/l #	99
48) Methyl methacrylate	9.44	41	13051	20.718	ug/l	84
49) 1,4-Dioxane	9.46	88	3794	428.574	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	73726	114.087	ug/l	100
52) Toluene	10.39	92	59977	20.775	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	30230	20.792	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	34304	19.897	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	17450	22.578	ug/l	97
56) Ethyl methacrylate	10.65	69	20967	21.906	ug/l	97
57) 1,3-Dichloropropane	10.93	76	30625	21.667	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	57819	116.947	ug/l	98
59) 2-Hexanone	10.97	43	50178	114.821	ug/l	96
60) Dibromochloromethane	11.13	129	19014	22.404	ug/l	96
61) 1,2-Dibromoethane	11.24	107	16820	22.936	ug/l	99
64) Tetrachloroethene	10.87	164	19595	19.945	ug/l	95
65) Chlorobenzene	11.66	112	63367	19.813	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	21457	20.627	ug/l	99
67) Ethyl Benzene	11.73	91	109952	18.789	ug/l	100
68) m/p-Xylenes	11.84	106	85932	38.472	ug/l	97
69) o-Xylene	12.17	106	40326	19.496	ug/l	99
70) Styrene	12.18	104	66547	20.541	ug/l	98
71) Bromoform	12.35	173	10609	22.788	ug/l #	99
73) Isopropylbenzene	12.47	105	109034	18.778	ug/l	100
74) N-amyl acetate	12.27	43	27274	21.210	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	21095	22.697	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	14351m	21.285	ug/l	
77) Bromobenzene	12.75	156	24826	20.235	ug/l	93
78) n-propylbenzene	12.80	91	131012	18.415	ug/l	97
79) 2-Chlorotoluene	12.90	91	75769	19.089	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	89812	18.822	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	5680	19.618	ug/l	89
82) 4-Chlorotoluene	12.99	91	79091	18.919	ug/l	98
83) tert-Butylbenzene	13.21	119	79421	18.814	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	93201	18.939	ug/l	98
85) sec-Butylbenzene	13.39	105	115403	18.663	ug/l	100
86) p-Isopropyltoluene	13.51	119	97549	18.268	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	49750	19.990	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	49287	19.738	ug/l	97
89) n-Butylbenzene	13.83	91	93409	17.861	ug/l	99
90) Hexachloroethane	14.10	117	17617	19.533	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	45361	20.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3621	24.209	ug/l	97

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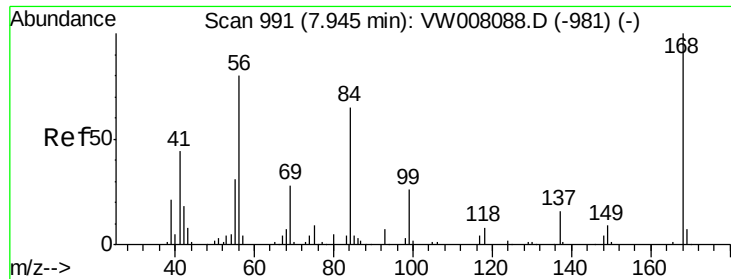
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26849	18.489	ug/l	97
94) Hexachlorobutadiene	15.24	225	14957	19.243	ug/l	97
95) Naphthalene	15.38	128	55006	20.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	24955	20.158	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion:168 Resp: 87725

Ion Ratio Lower Upper

168 100

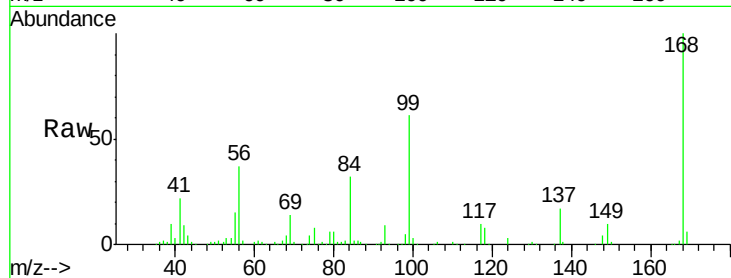
99 60.5 52.6 78.8

Manual Integrations

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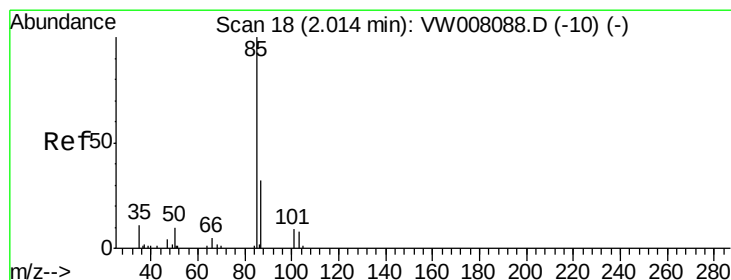
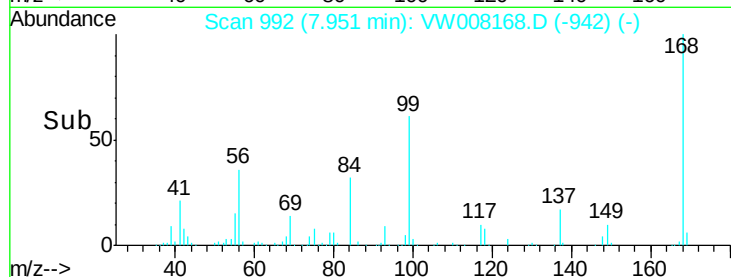
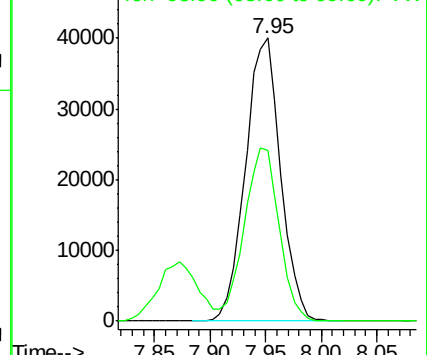
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.905 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008168.D

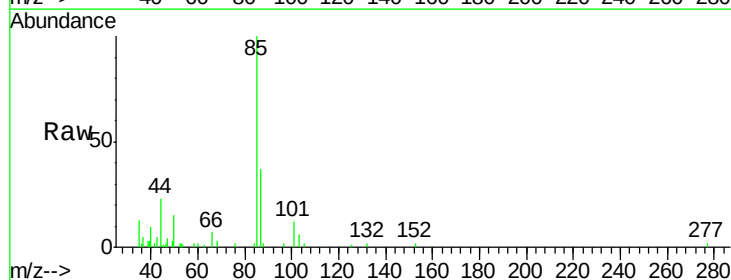
Acq: 11 Jan 2019 01:34

Tgt Ion: 85 Resp: 12819

Ion Ratio Lower Upper

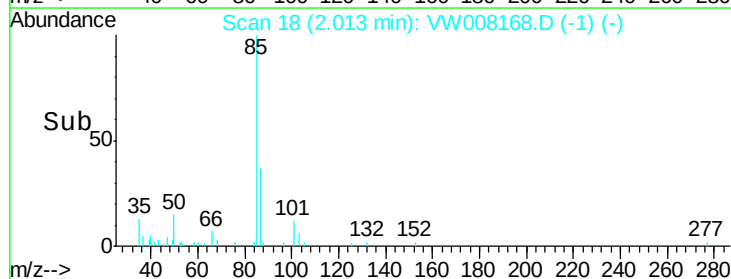
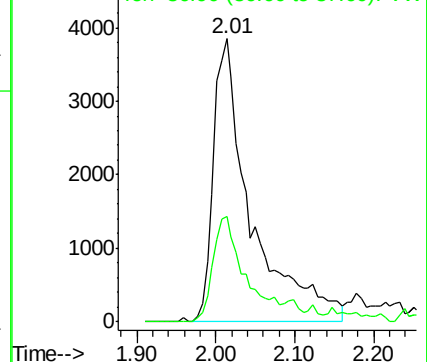
85 100

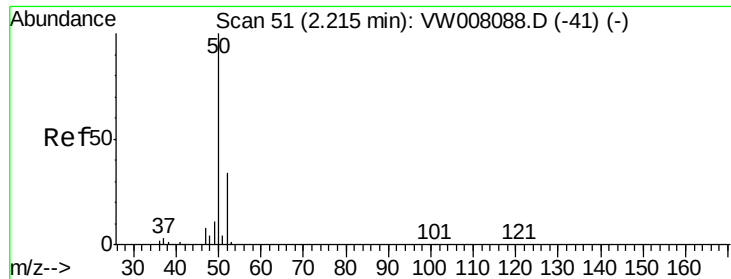
87 37.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.049 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 50 Resp: 18622

Ion Ratio Lower Upper

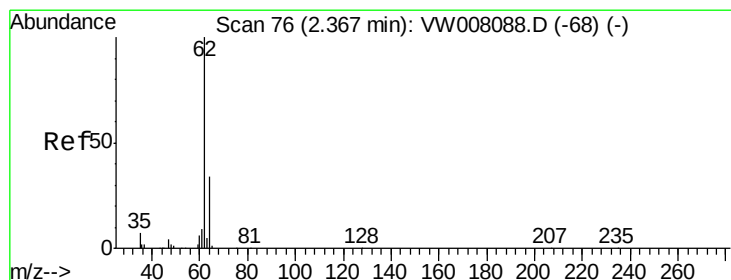
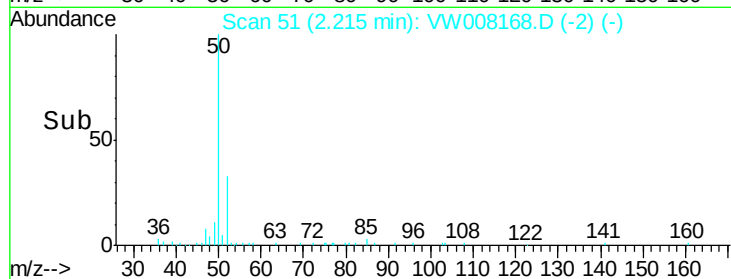
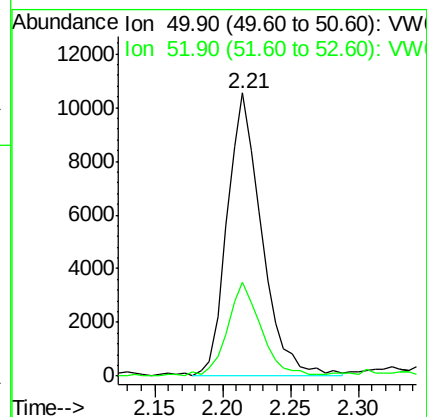
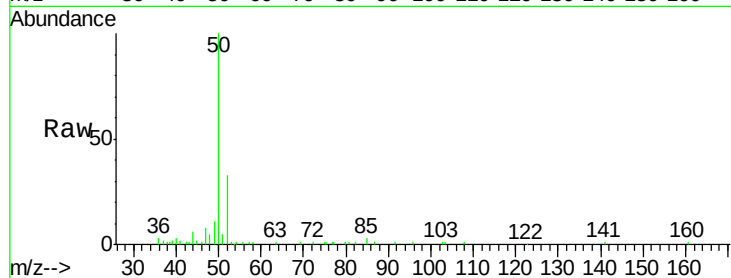
50 100

52 32.0 26.8 40.2

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#4

Vinyl Chloride

Concen: 19.597 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008168.D

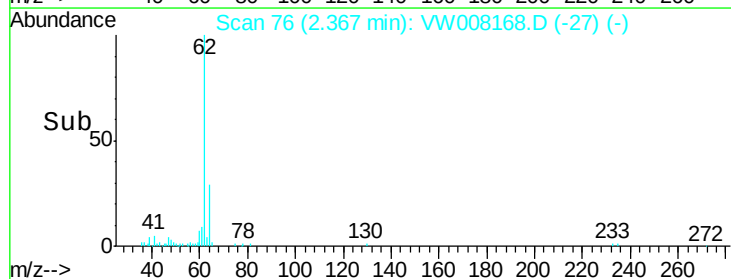
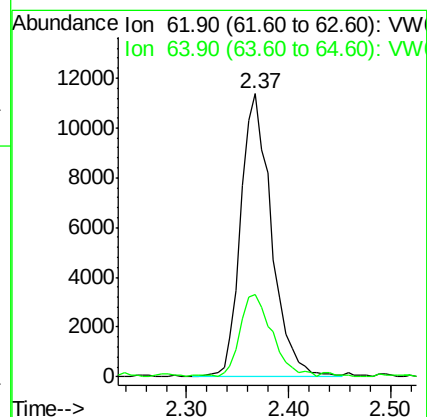
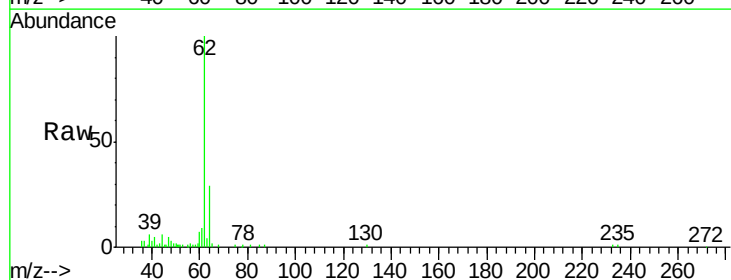
Acq: 11 Jan 2019 01:34

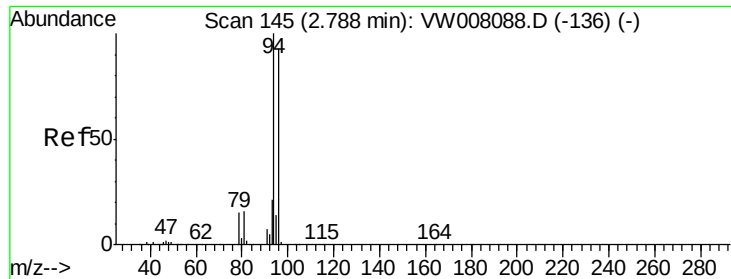
Tgt Ion: 62 Resp: 23757

Ion Ratio Lower Upper

62 100

64 28.5 27.0 40.6





#5

Bromomethane

Concen: 23.697 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 94 Resp: 21520

Ion Ratio Lower Upper

94 100

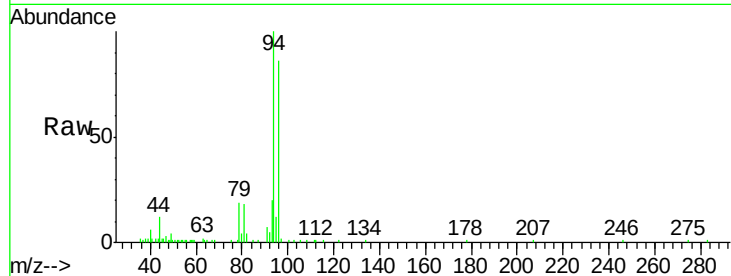
96 85.0 74.1 111.1

Manual Integrations

APPROVED

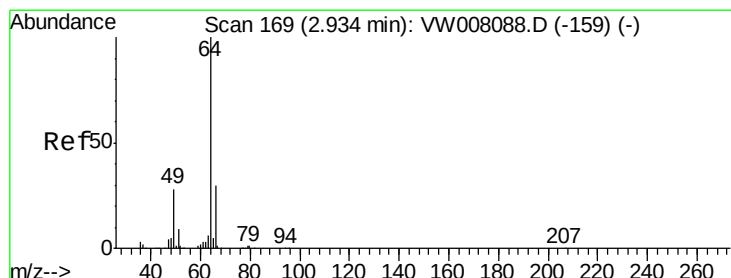
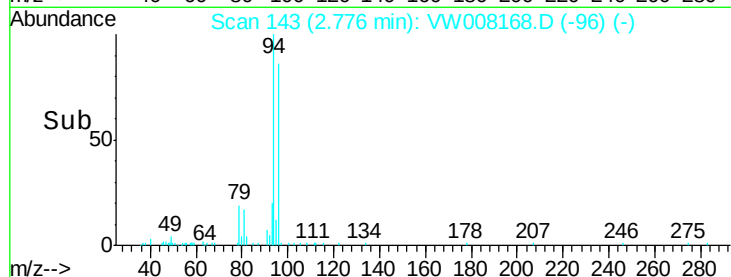
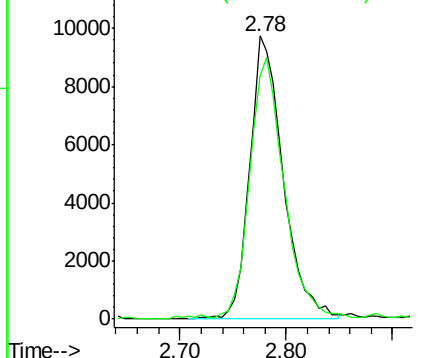
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 17.531 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008168.D

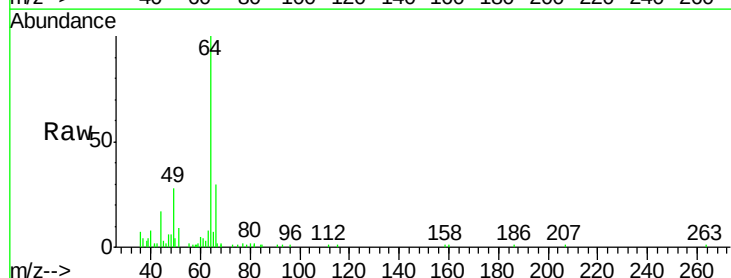
Acq: 11 Jan 2019 01:34

Tgt Ion: 64 Resp: 15992

Ion Ratio Lower Upper

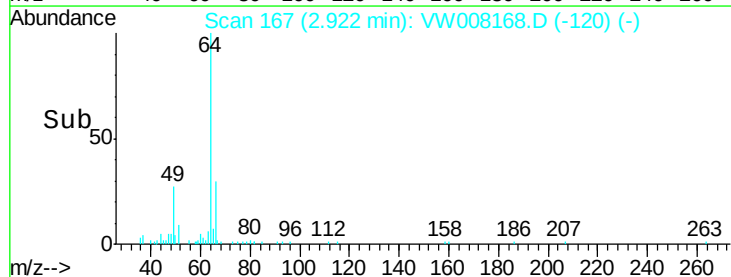
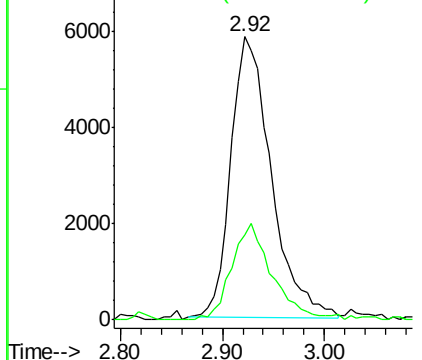
64 100

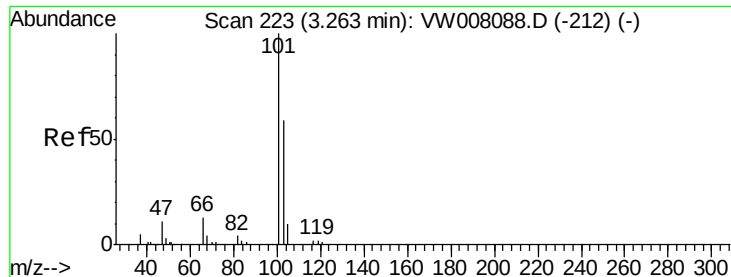
66 30.5 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

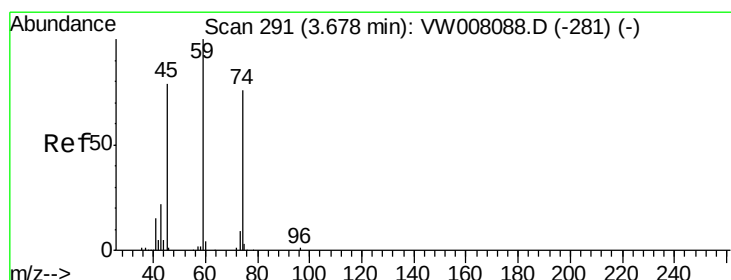
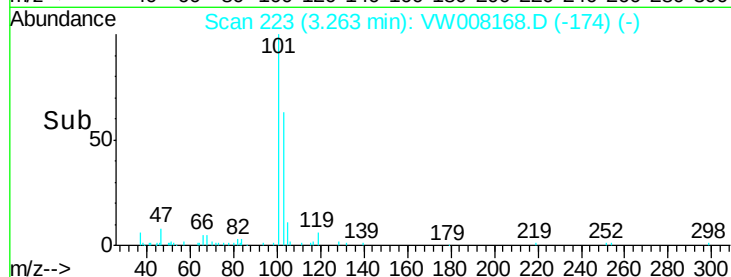
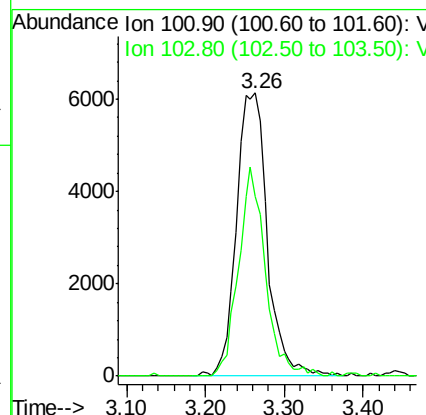
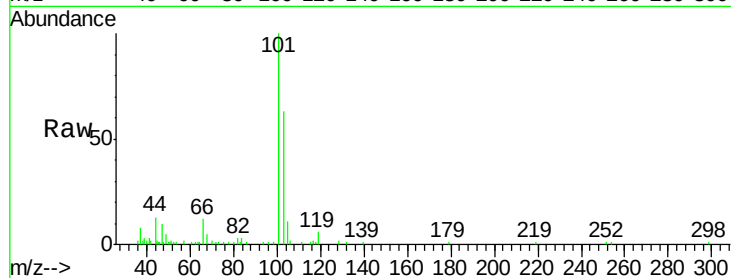
Trichlorofluoromethane
 Concen: 16.933 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	47.0	70.6

Manual Integrations
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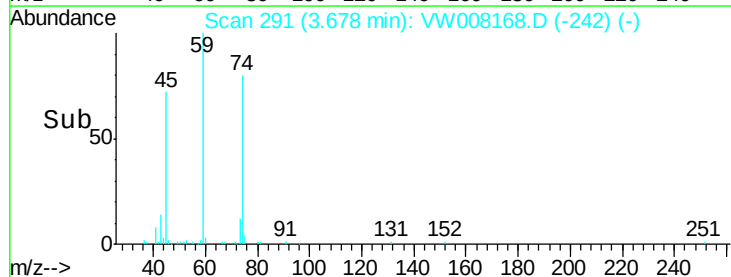
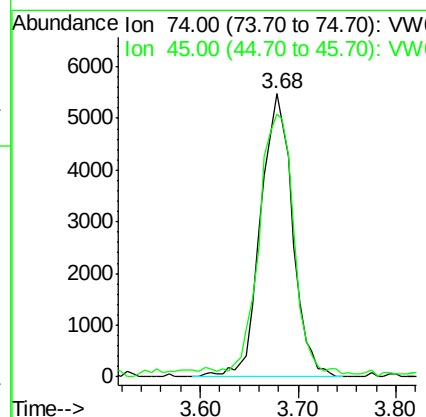
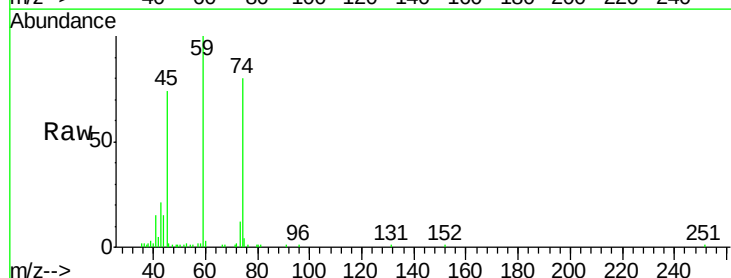
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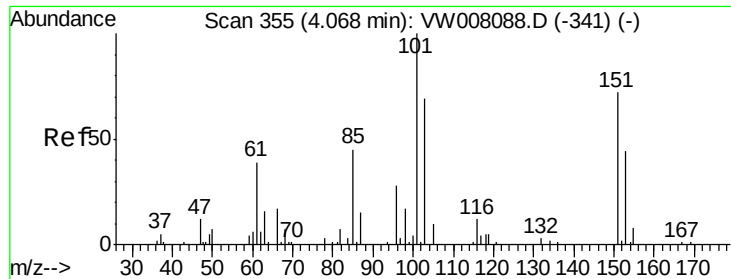


#8

Diethyl Ether
 Concen: 22.543 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.901 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

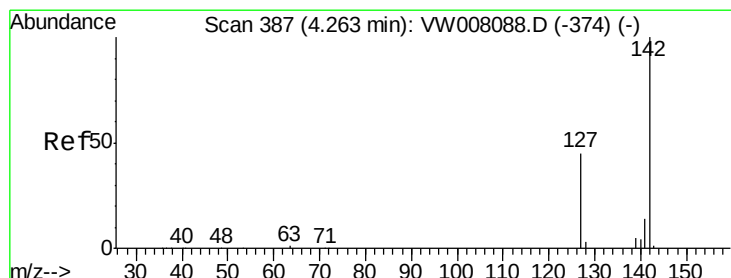
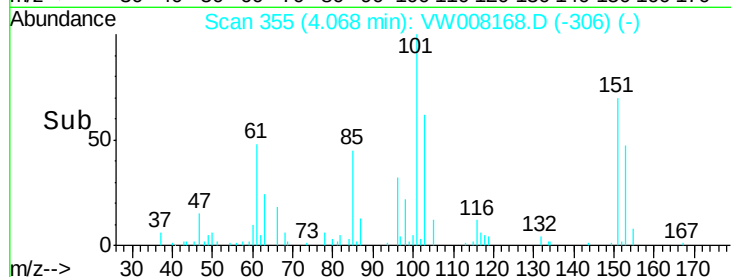
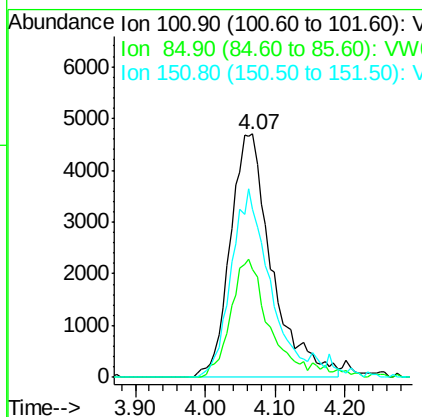
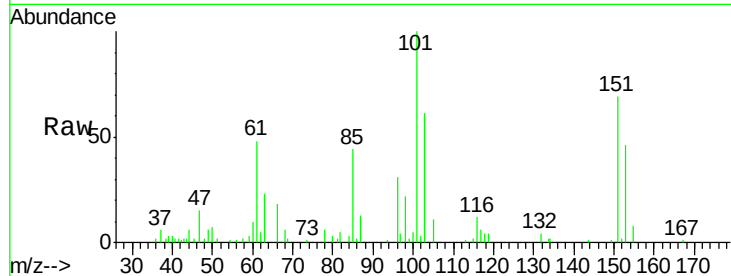
ClientSampleId :

VW0110SBS02

Tot Ion:	101	Resp:	19473
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.9	53.9
151	71.0	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.513 ug/l

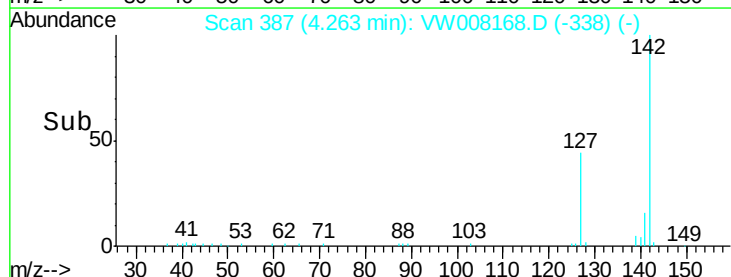
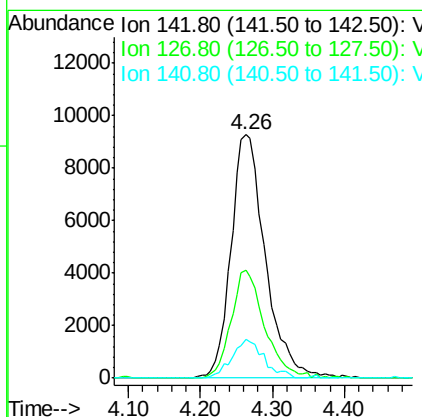
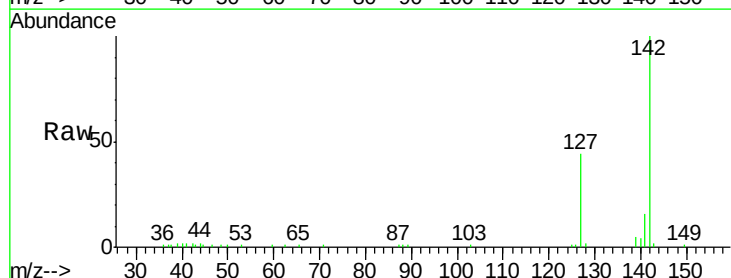
RT: 4.26 min Scan# 387

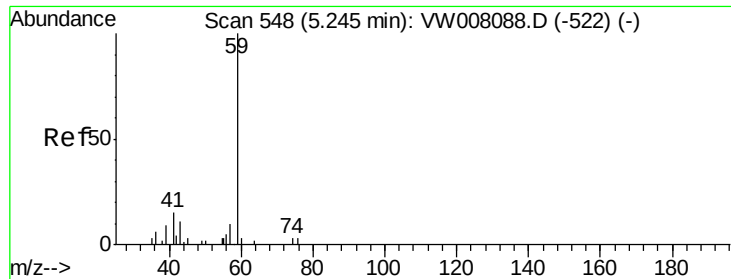
Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	142	Resp:	30680
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.4
141	14.8	11.8	17.6





#11

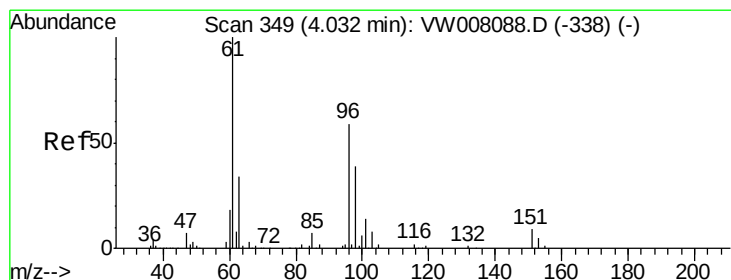
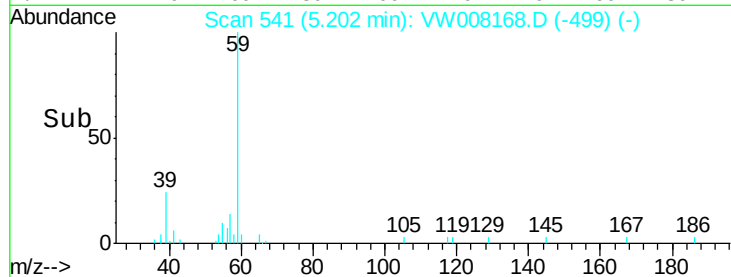
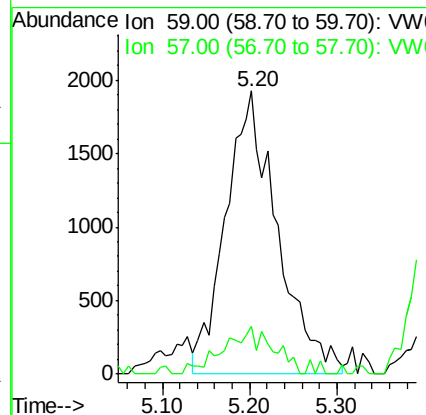
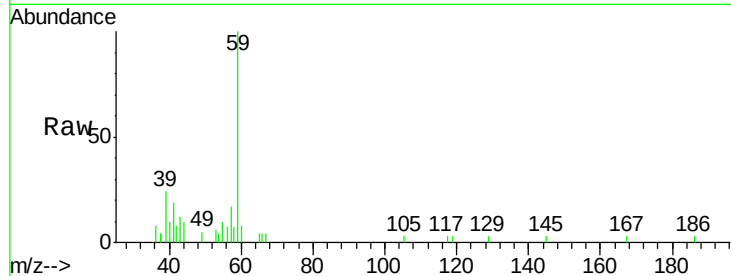
Tert butyl alcohol
Concen: 115.491 ug/l
RT: 5.20 min Scan# 541
Delta R.T. -0.04 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion: 59 Resp: 7860
Ion Ratio Lower Upper
59 100
57 15.9 0.0 0.0#

Manual Integrations
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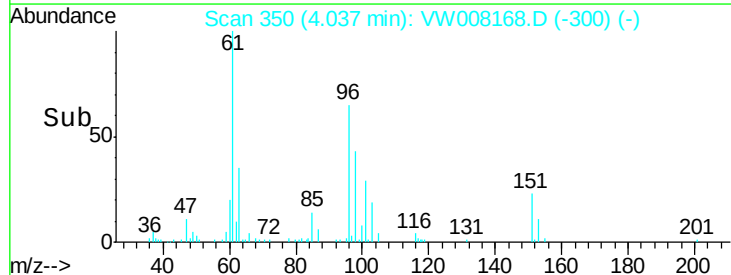
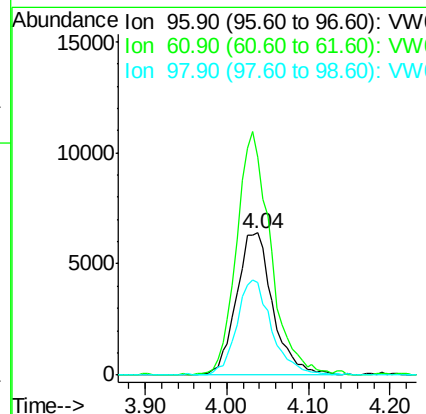
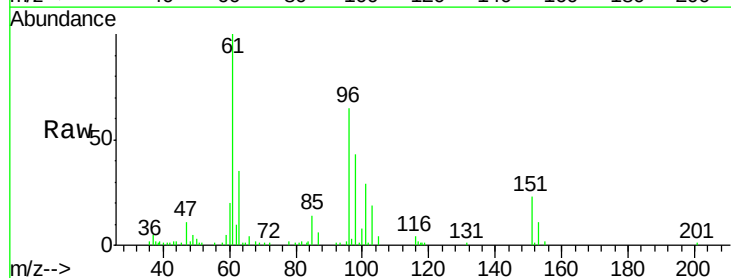
MMDadoda
1/11/2019 2:28:05 PM

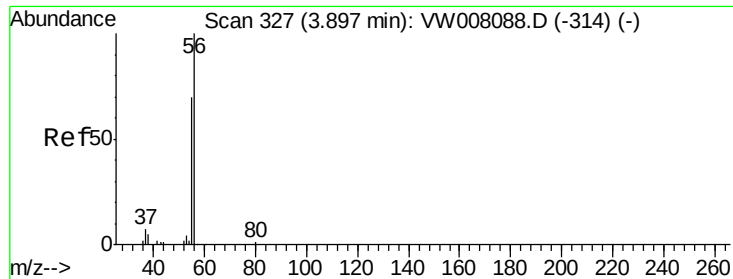


#12

1,1-Dichloroethene
Concen: 20.568 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion: 96 Resp: 19759
Ion Ratio Lower Upper
96 100
61 153.2 135.4 203.2
98 65.5 52.5 78.7





#13

Acrolein

Concen: 89.272 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 56 Resp: 5923

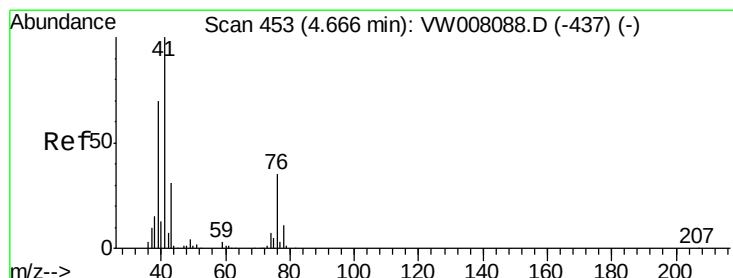
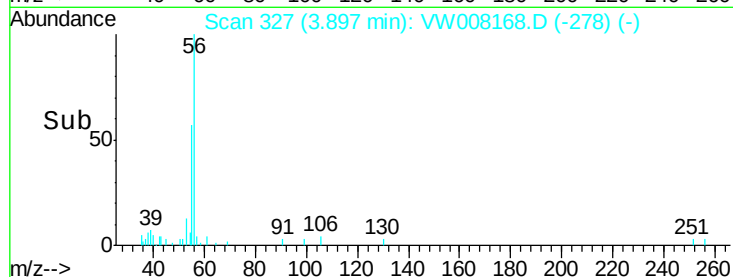
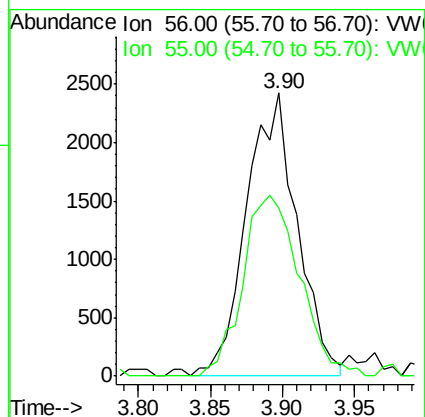
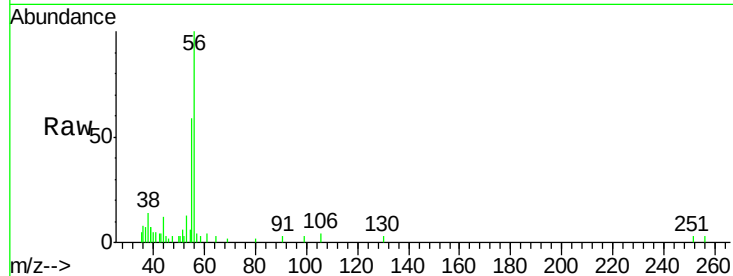
Ion Ratio Lower Upper

56 100

55 71.8 56.6 84.8

Manual Integrations
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1/11/2019 2:28:05 PM



#14

Allyl chloride

Concen: 21.036 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

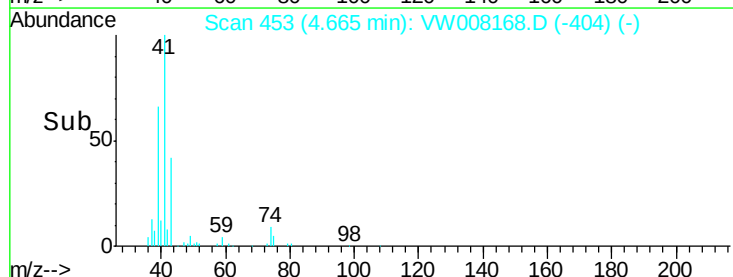
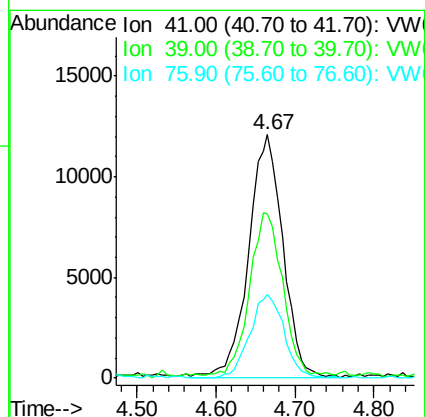
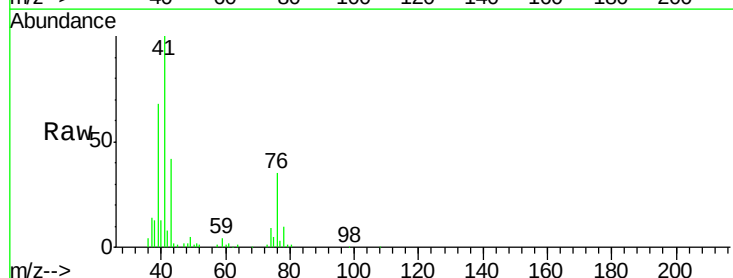
Tgt Ion: 41 Resp: 36692

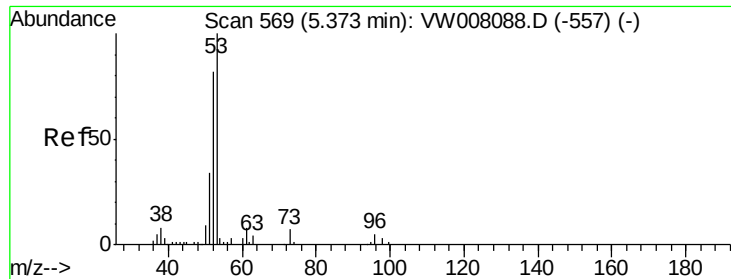
Ion Ratio Lower Upper

41 100

39 63.3 53.8 80.8

76 34.0 27.6 41.4





#15

Acrylonitrile

Concen: 124.831 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

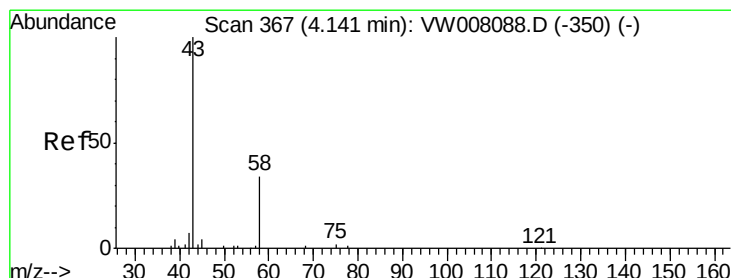
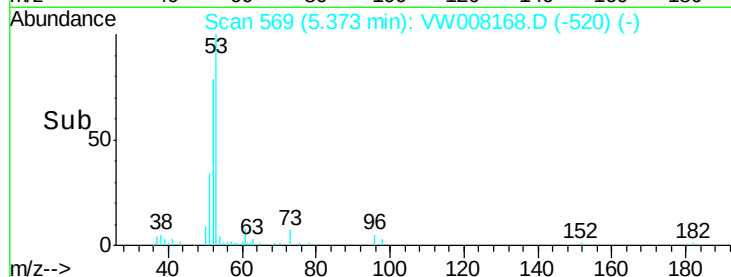
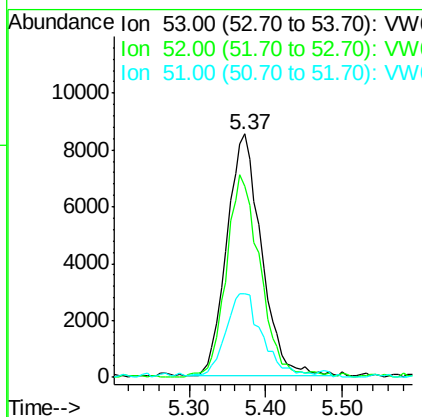
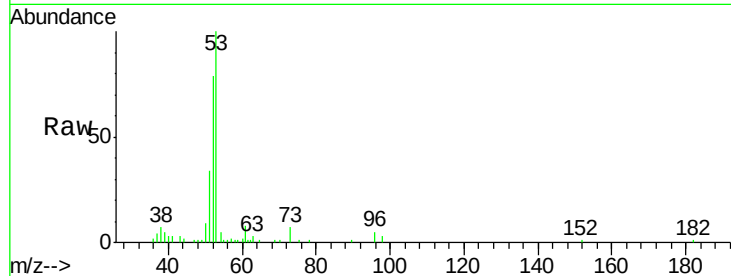
ClientSampleId :

VW0110SBS02

Tot Ion:	53	Resp:	26479
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	37.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 107.271 ug/l

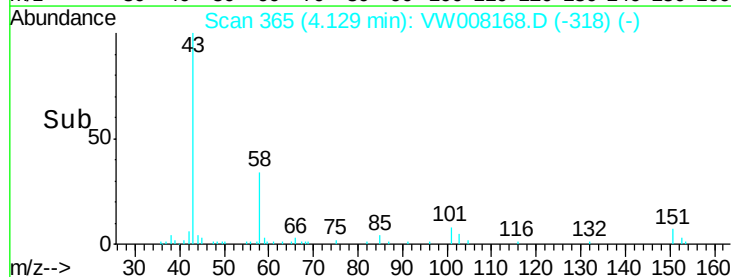
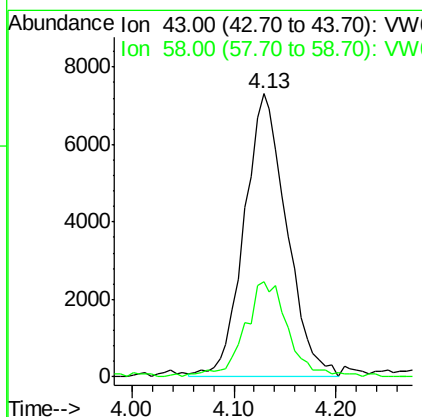
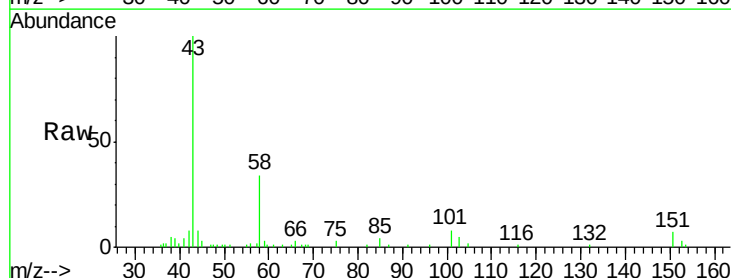
RT: 4.13 min Scan# 365

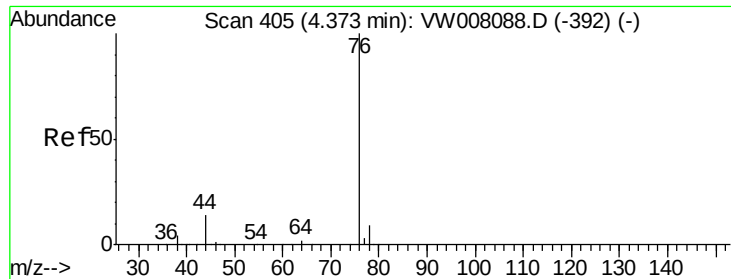
Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	43	Resp:	21151
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.5	41.3





#17

Carbon Disulfide

Concen: 19.436 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 76 Resp: 58328

Ion Ratio Lower Upper

76 100

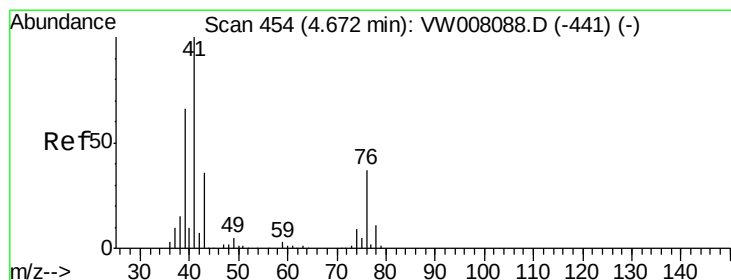
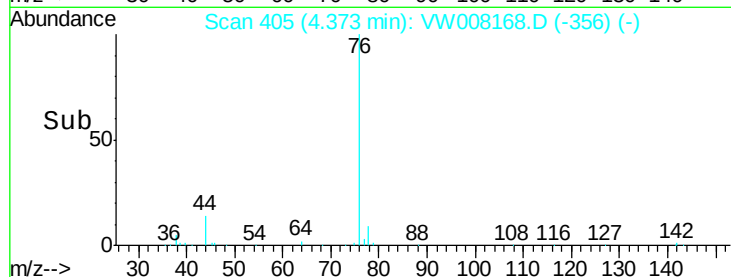
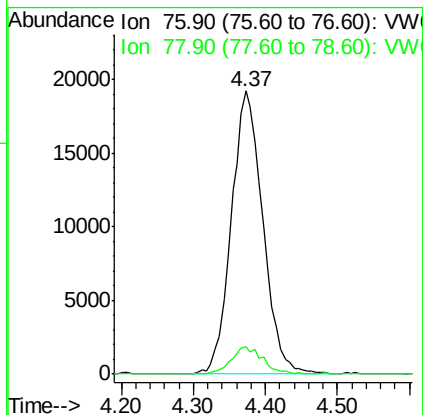
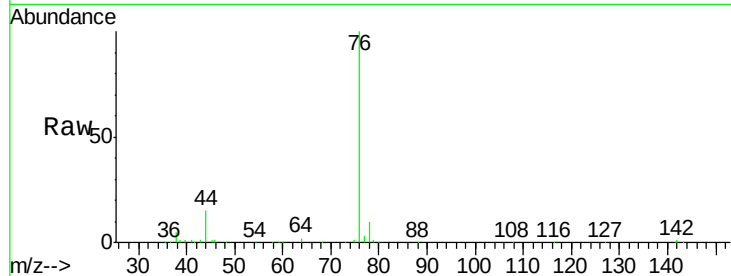
78 9.5 7.0 10.6

Manual Integrations

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1/11/2019 2:28:05 PM



#18

Methyl Acetate

Concen: 23.643 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008168.D

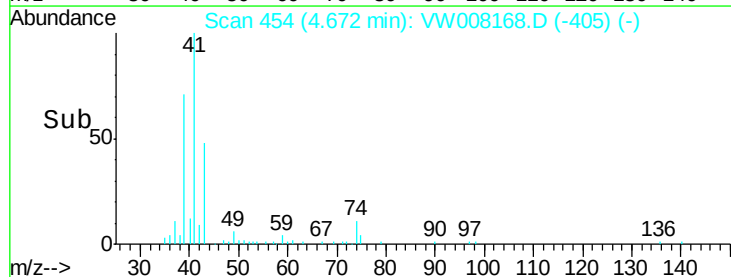
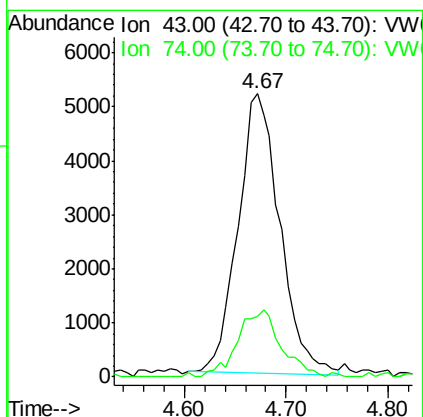
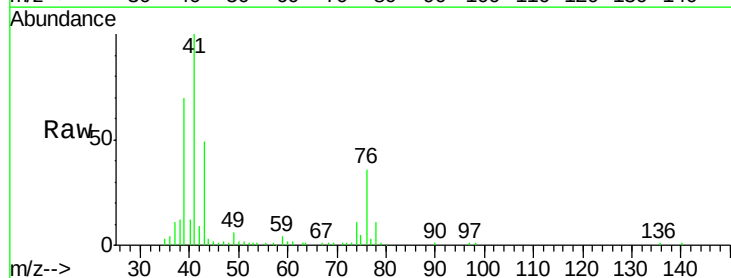
Acq: 11 Jan 2019 01:34

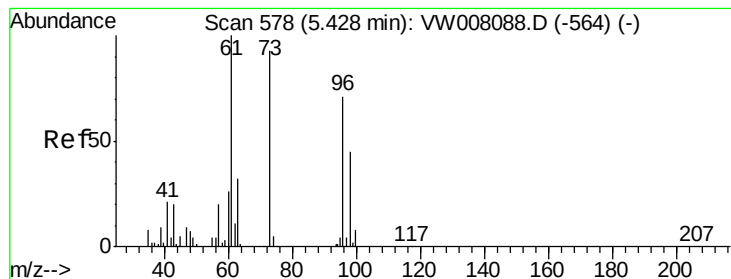
Tgt Ion: 43 Resp: 14733

Ion Ratio Lower Upper

43 100

74 24.9 19.0 28.4





#19

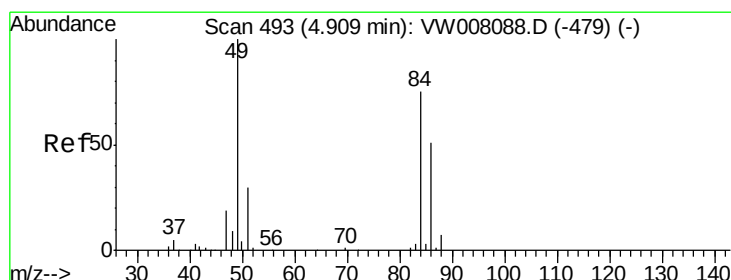
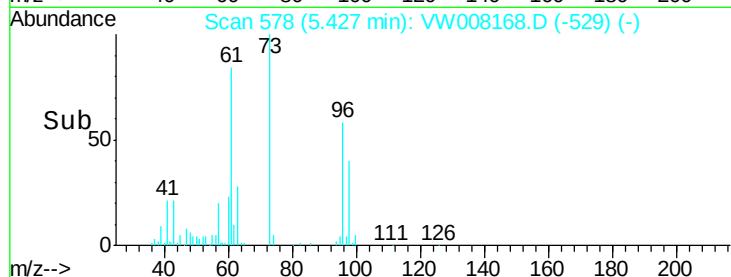
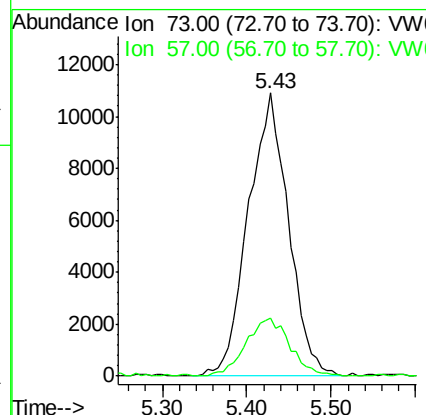
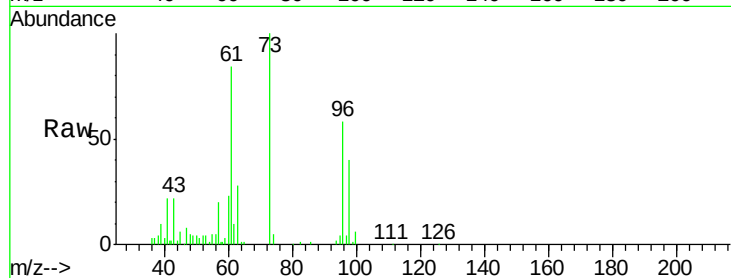
Methyl tert-butyl Ether
 Concen: 22.687 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.7	25.1

Manual Integrations
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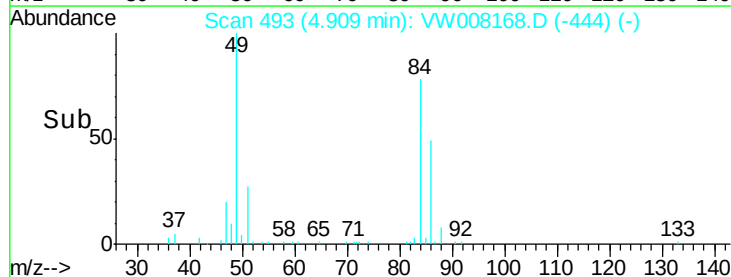
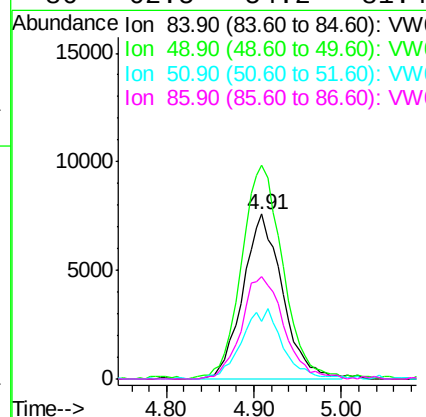
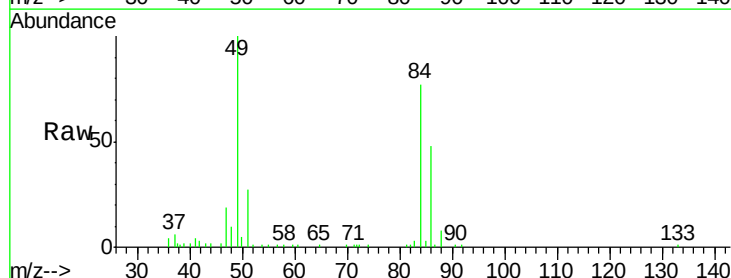
MMDadoda
 1/11/2019 2:28:05 PM

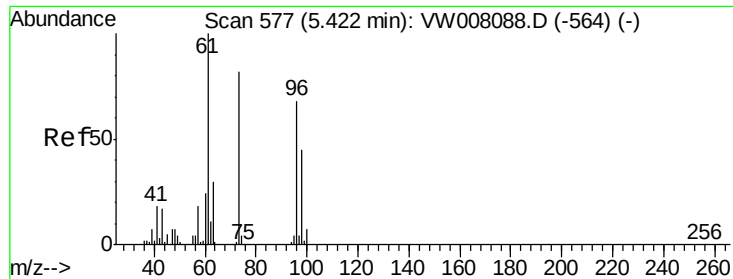


#20

Methylene Chloride
 Concen: 21.871 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	107.1	160.7
51	35.0	32.4	48.6
86	62.5	54.2	81.4





#21

trans-1,2-Dichloroethene

Concen: 21.267 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

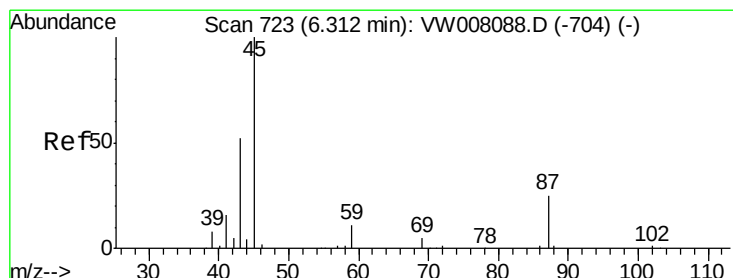
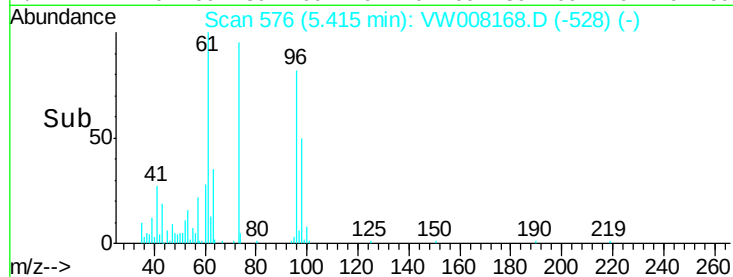
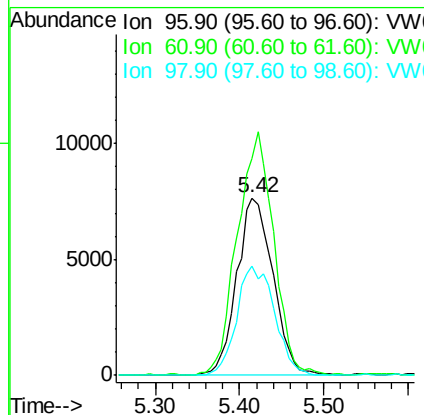
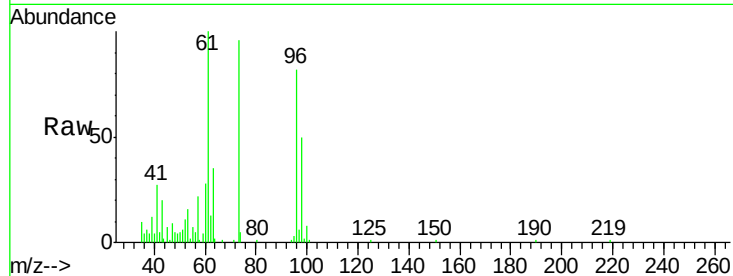
ClientSampleId :

VW0110SBS02

Tot Ion:	96	Resp:	22203
Ion	Ratio	Lower	Upper
96	100		
61	122.5	117.4	176.0
98	61.5	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.527 ug/l

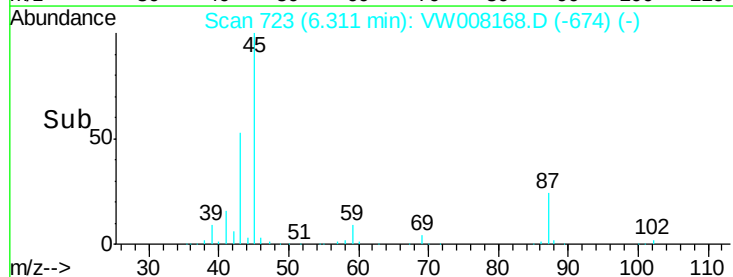
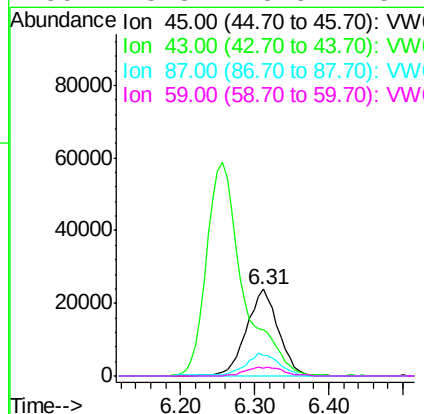
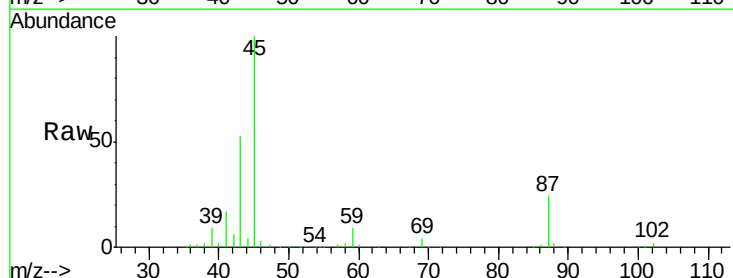
RT: 6.31 min Scan# 723

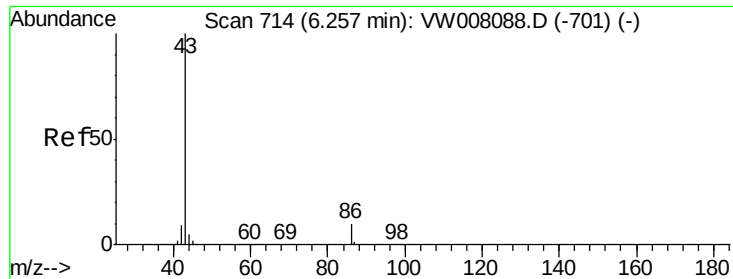
Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	45	Resp:	71610
Ion	Ratio	Lower	Upper
45	100		
43	52.8	41.7	62.5
87	23.7	20.1	30.1
59	8.8	8.8	13.2#





#23

Vinyl Acetate

Concen: 114.106 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 43 Resp: 199353

Ion Ratio Lower Upper

43 100

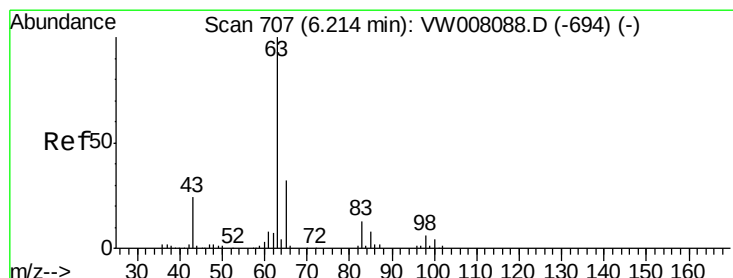
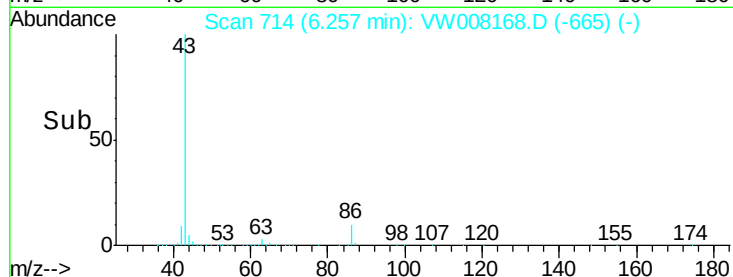
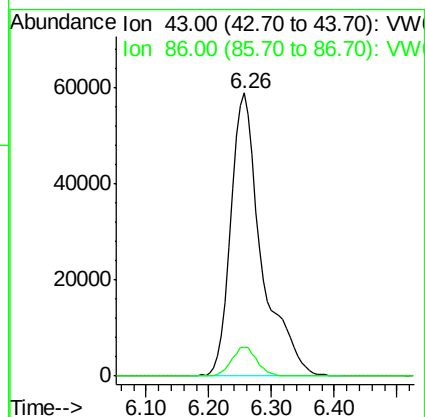
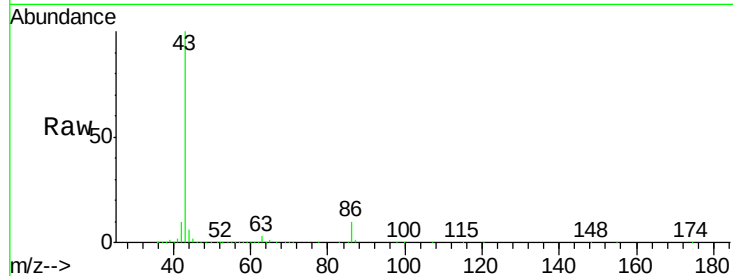
86 10.3 7.7 11.5

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 21.386 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

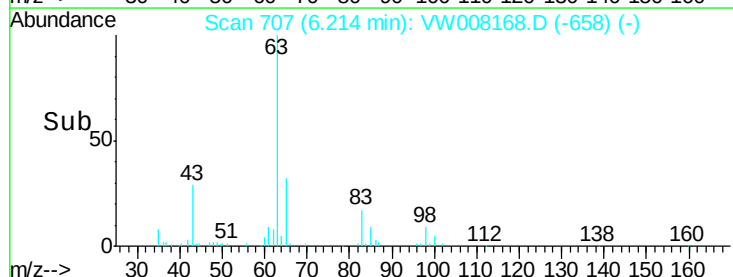
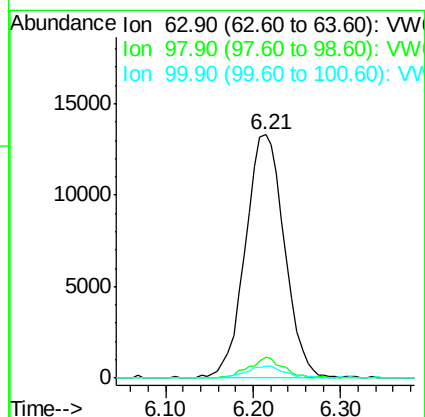
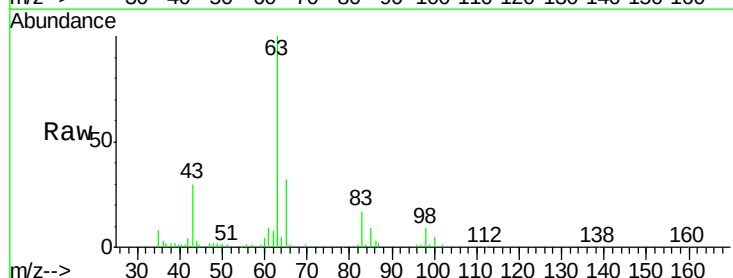
Tgt Ion: 63 Resp: 41450

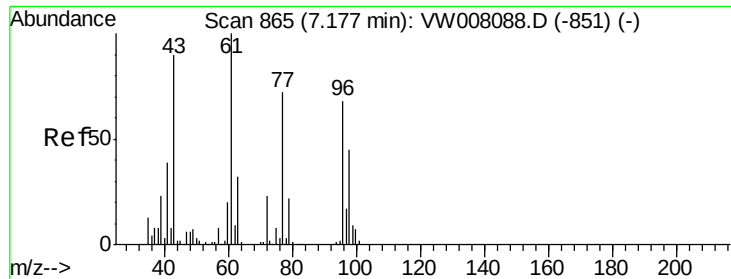
Ion Ratio Lower Upper

63 100

98 8.8 3.2 9.6

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 114.799 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 43 Resp: 31492

Ion Ratio Lower Upper

43 100

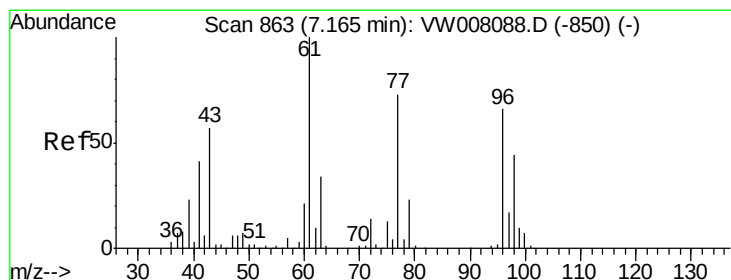
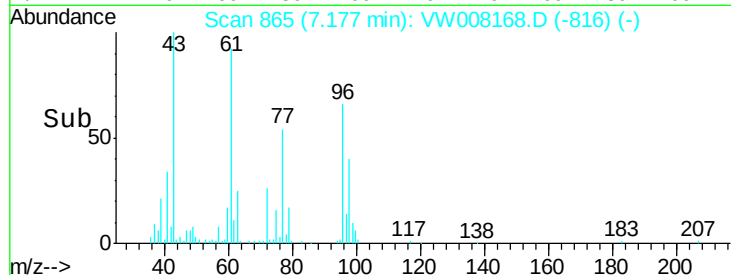
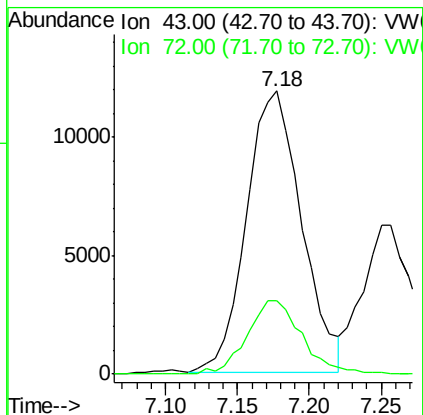
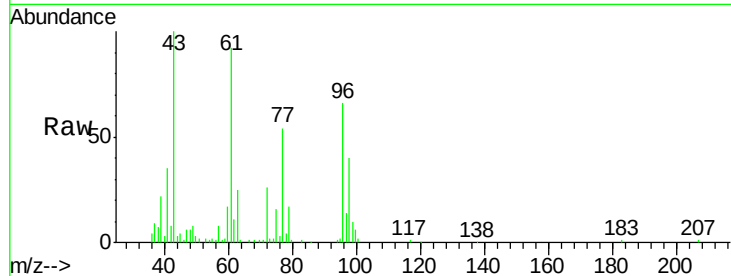
72 26.0 20.5 30.7

Manual Integrations

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MMDadoda

1/11/2019 2:28:05 PM



#26

2,2-Dichloropropane

Concen: 18.419 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008168.D

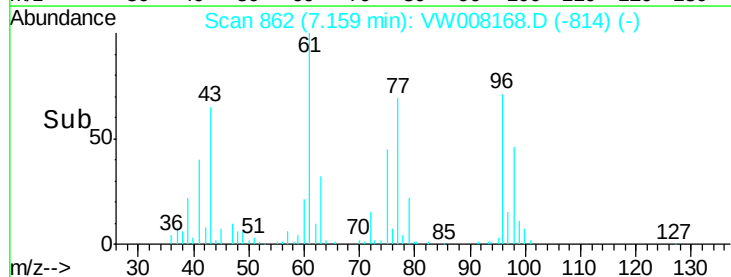
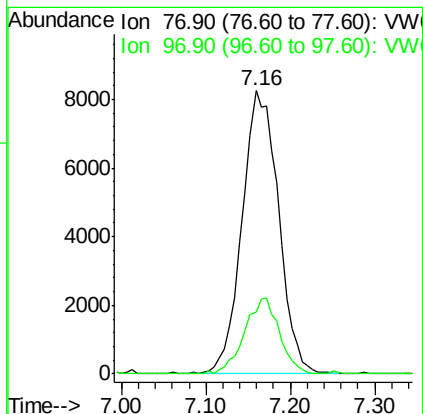
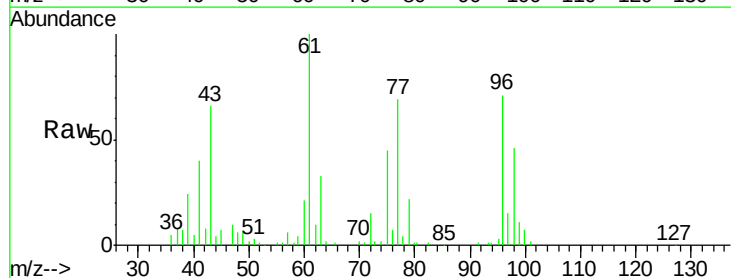
Acq: 11 Jan 2019 01:34

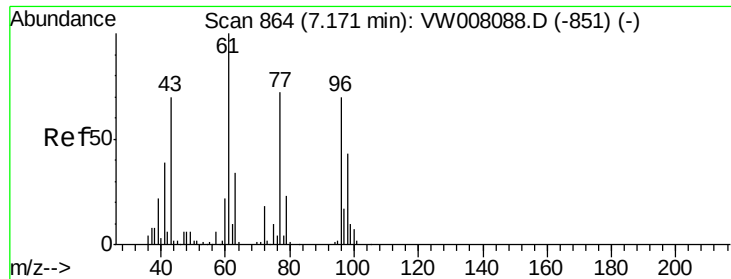
Tgt Ion: 77 Resp: 24189

Ion Ratio Lower Upper

77 100

97 25.7 11.4 34.1





#27

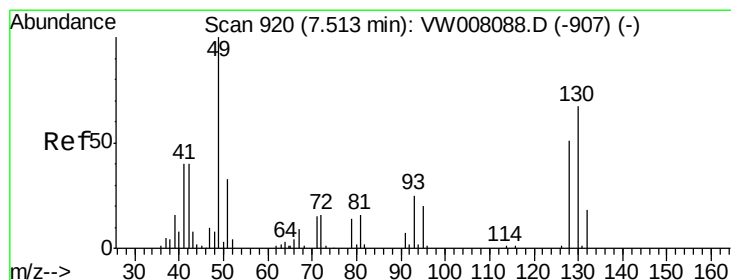
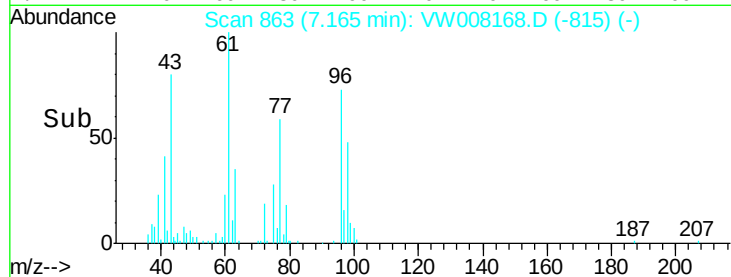
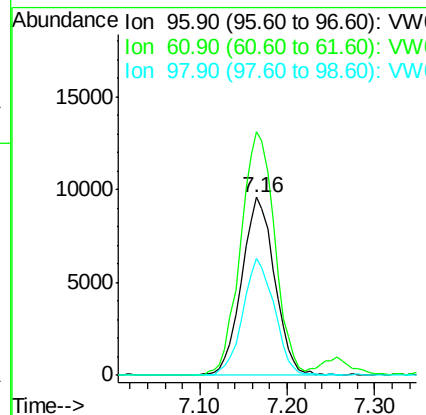
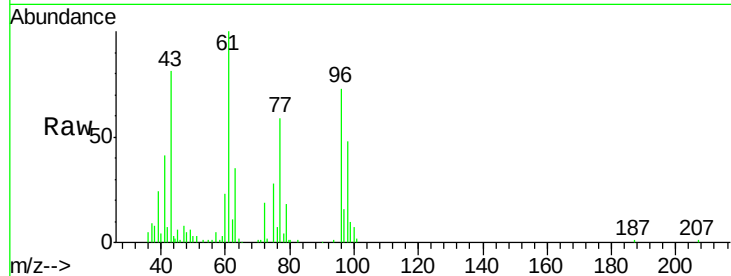
cis-1,2-Dichloroethene
Concen: 22.097 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	300.4
98	62.9	0.0	128.4

Manual Integrations
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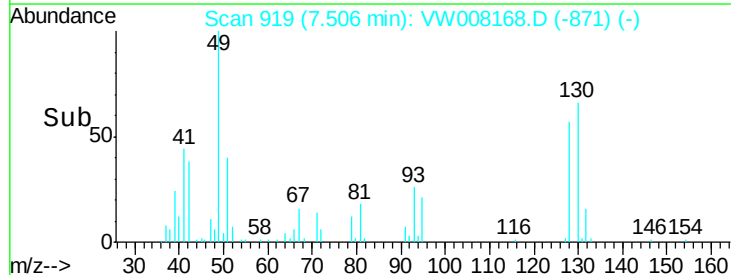
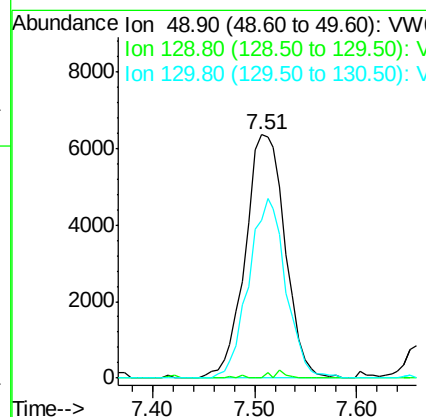
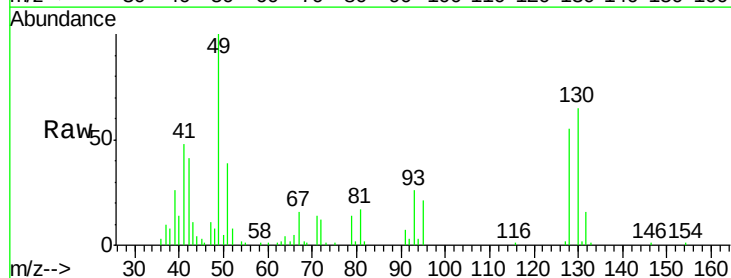
MMDadoda
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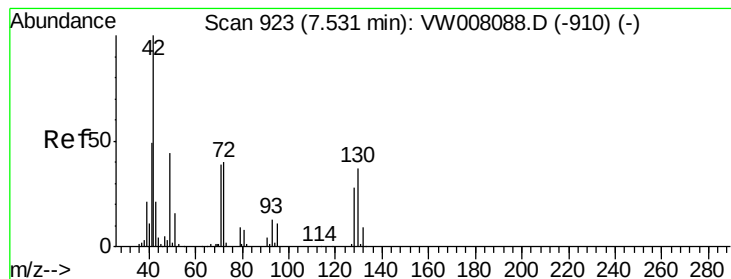


#28

Bromochloromethane
Concen: 22.544 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.8
130	68.9	54.3	81.5





#29

Tetrahydrofuran

Concen: 126.989 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

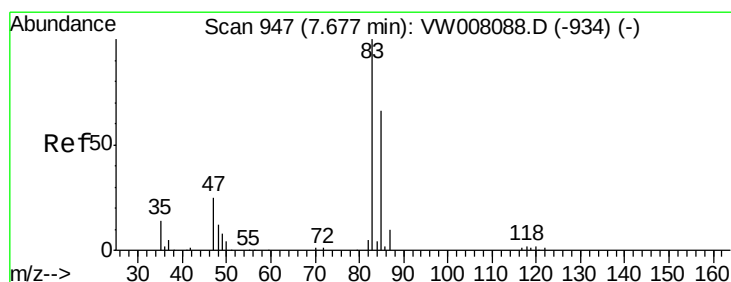
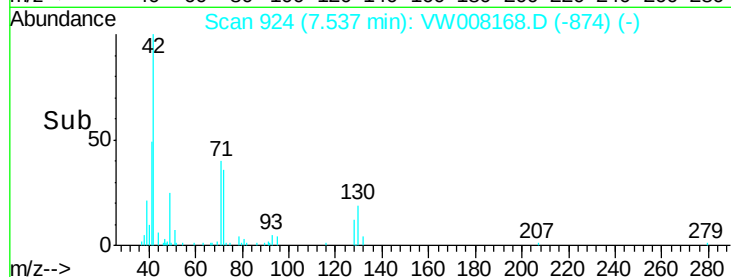
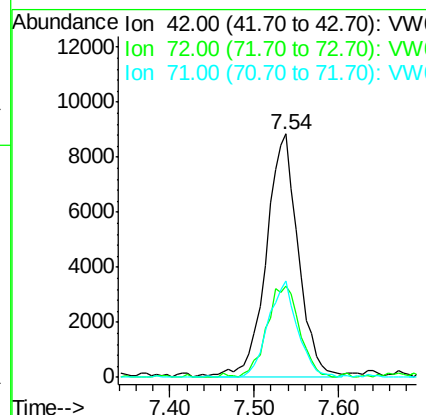
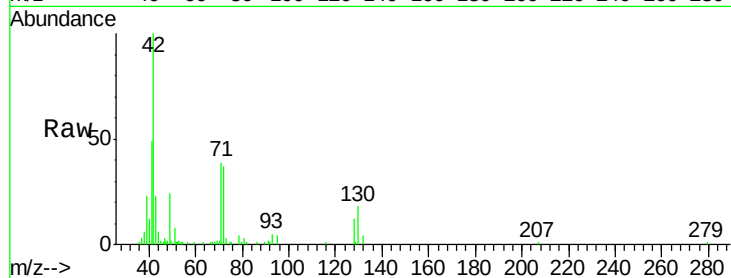
ClientSampleId :

VW0110SBS02

Tot Ion:	42	Resp:	23270
Ion	Ratio	Lower	Upper
42	100		
72	38.2	32.4	48.6
71	36.1	31.3	46.9

Manual Integrations
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#30

Chloroform

Concen: 22.040 ug/l

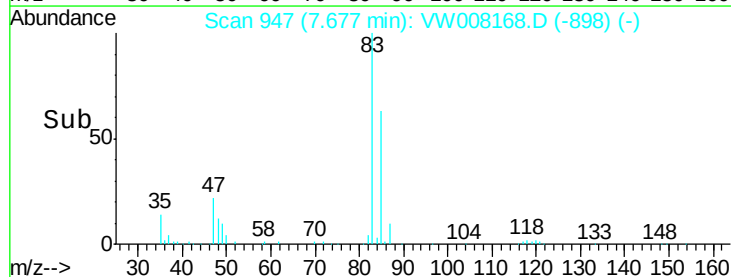
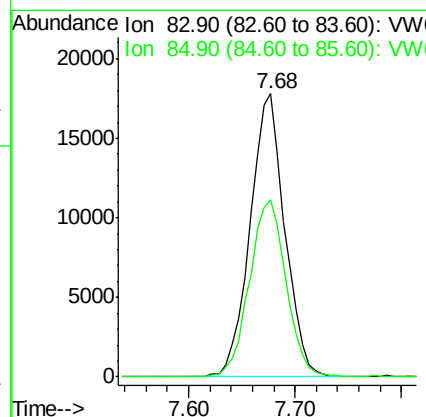
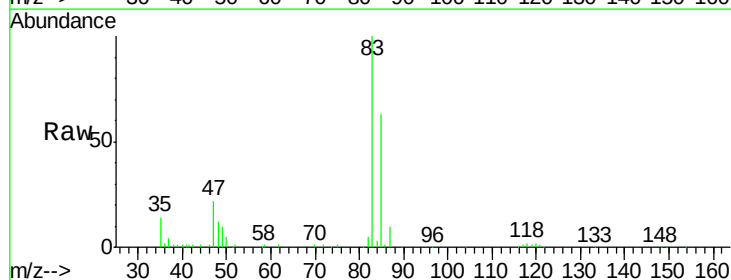
RT: 7.68 min Scan# 947

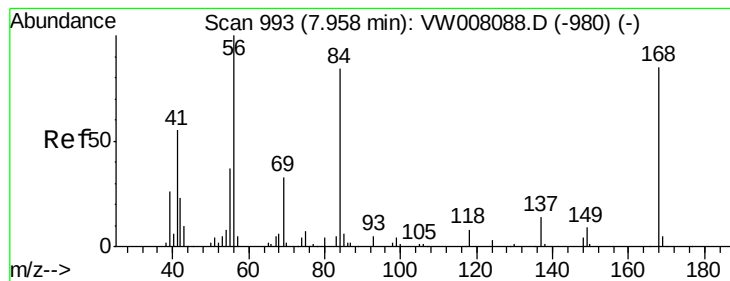
Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	83	Resp:	40661
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.2	79.8





#31

Cyclohexane

Concen: 17.979 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

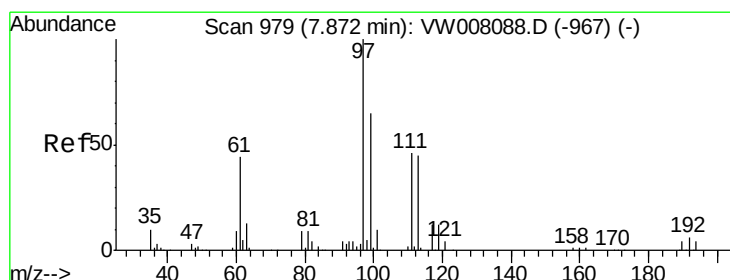
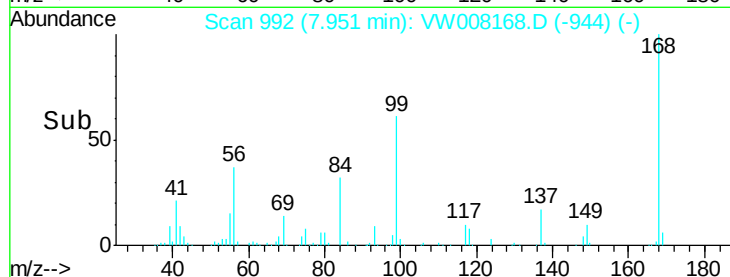
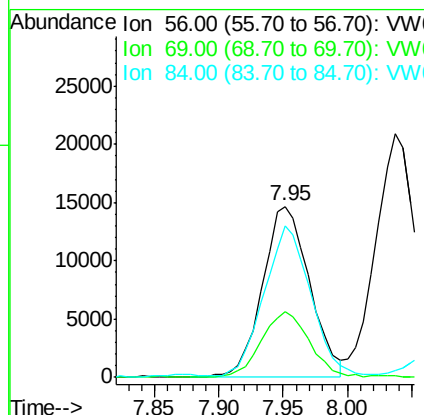
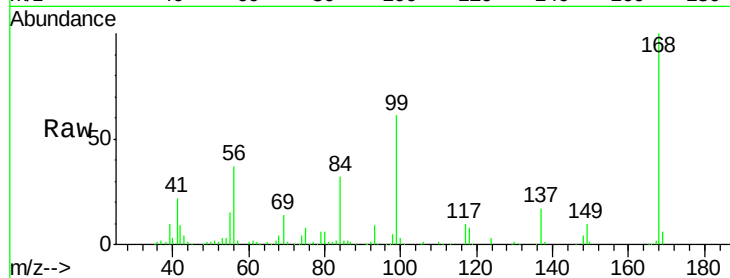
ClientSampleId :

VW0110SBS02

Tot Ion:	56	Resp:	37304
Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.2	39.4
84	86.8	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.542 ug/l

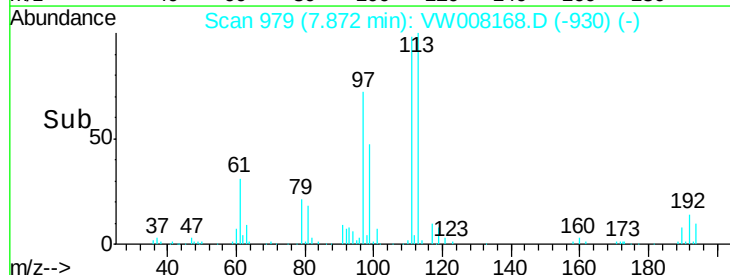
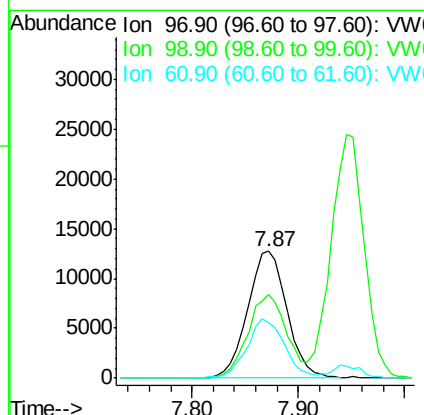
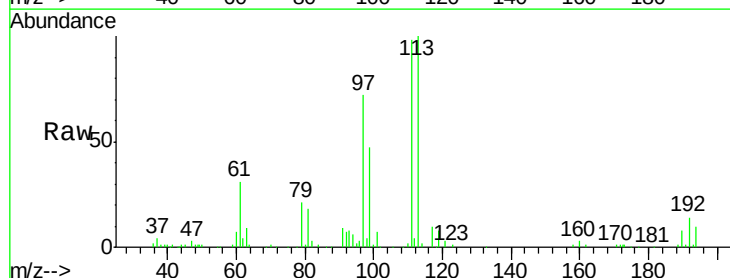
RT: 7.87 min Scan# 979

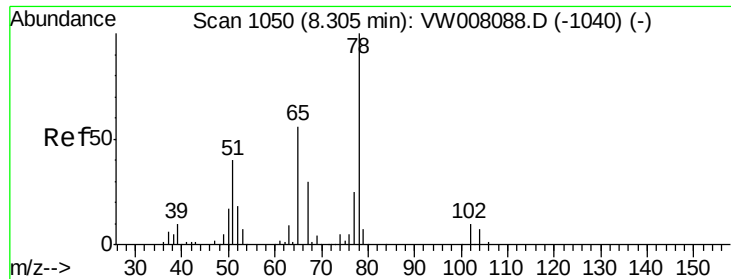
Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	97	Resp:	32976
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.0
61	44.7	35.6	53.4





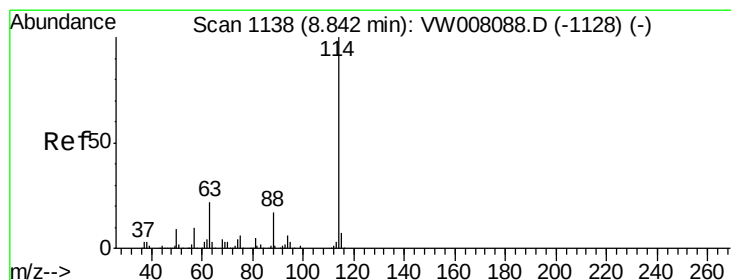
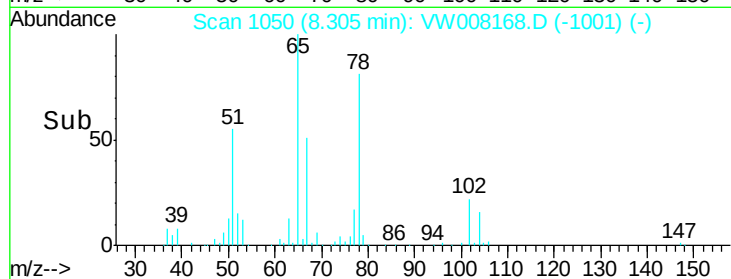
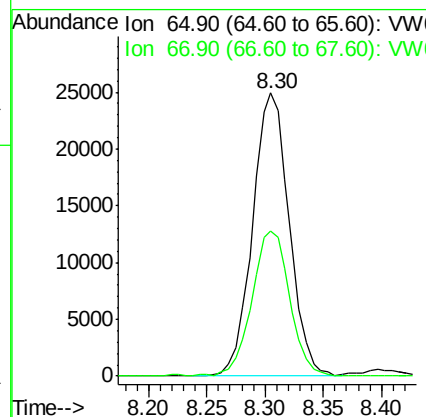
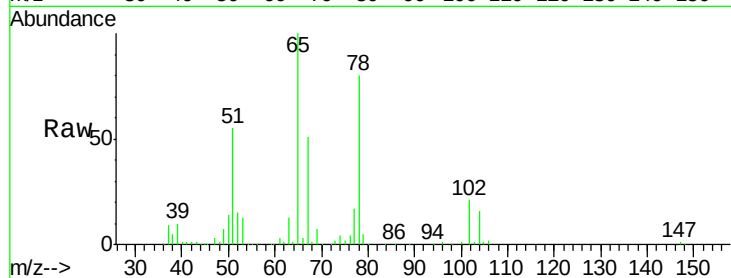
#33
 1,2-Dichloroethane-d4
 Concen: 55.458 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

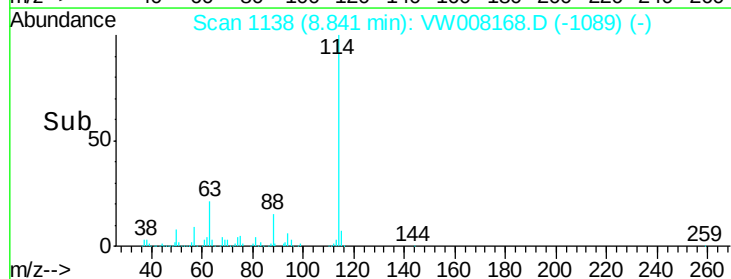
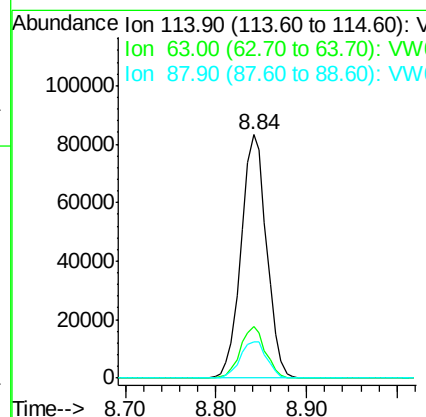
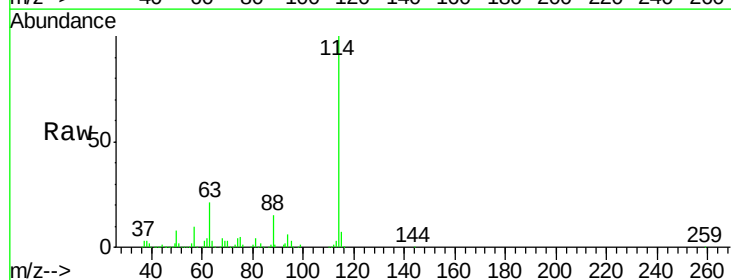
Manual Integrations
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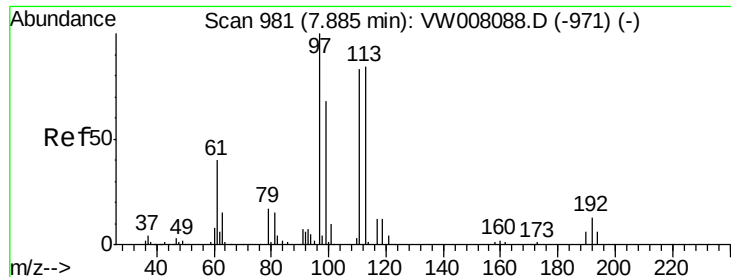
MMDadoda
 1/11/2019 2:28:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	15.1	0.0	33.4





#35

Dibromofluoromethane

Concen: 54.778 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

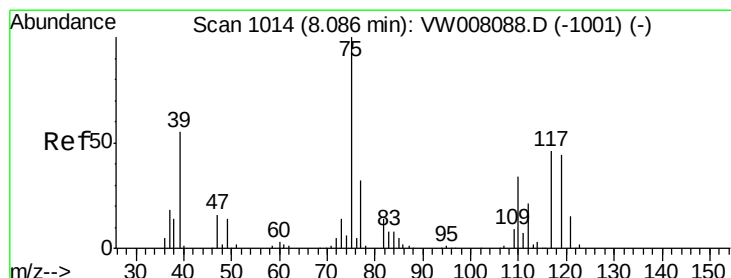
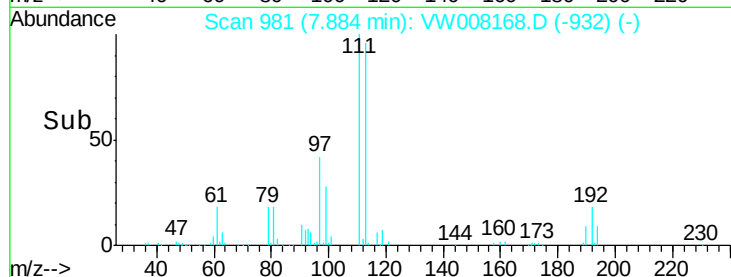
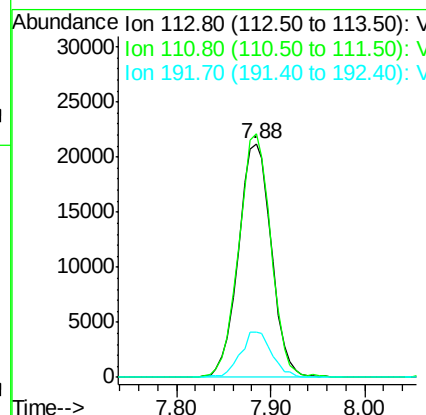
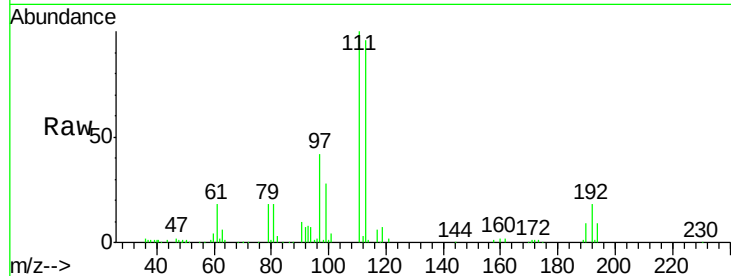
ClientSampleId :

VW0110SBS02

Tot Ion:	113	Resp:	51692
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	18.6	12.8	19.2

Manual Integrations
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1/11/2019 2:28:05 PM



#36

1,1-Dichloropropene

Concen: 18.975 ug/l

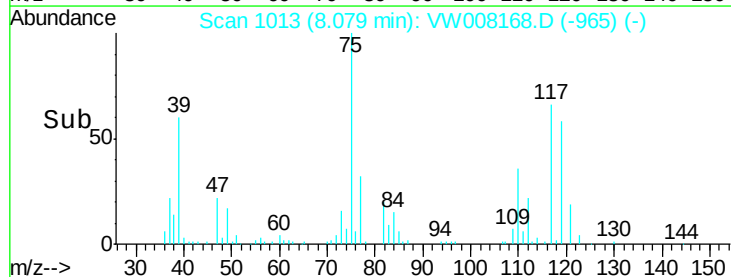
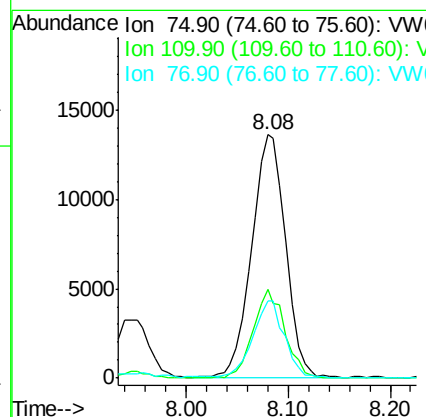
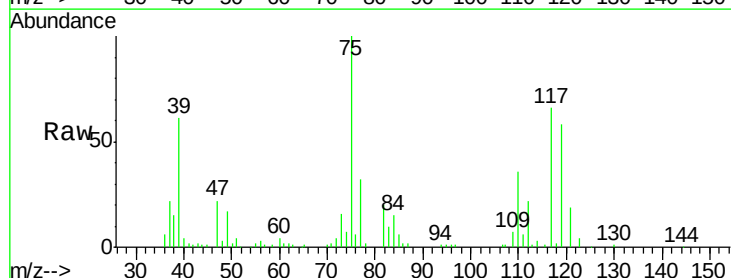
RT: 8.08 min Scan# 1013

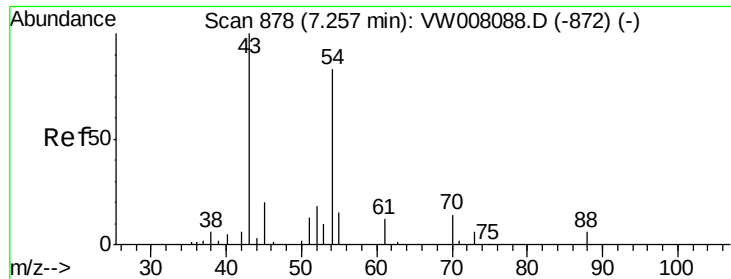
Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	75	Resp:	31625
Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.1	51.3
77	30.4	25.5	38.3





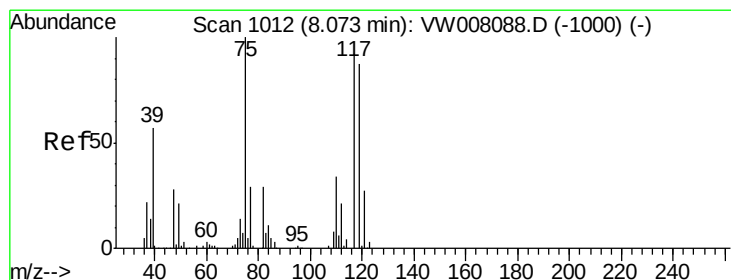
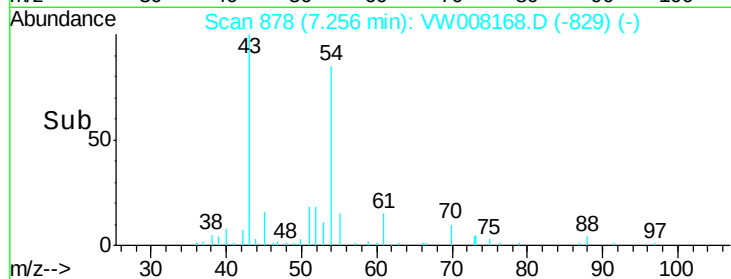
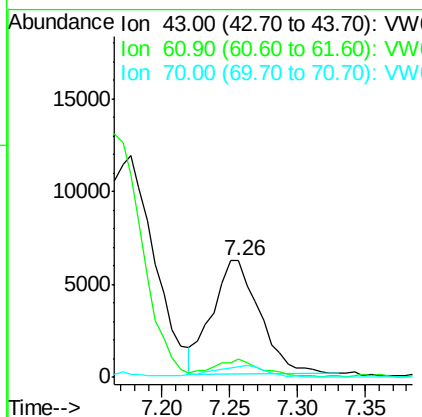
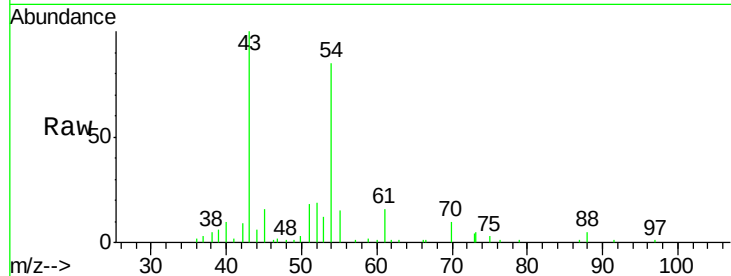
#37
Ethyl Acetate
Concen: 22.363 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.6	16.0
70	11.5	8.9	13.3

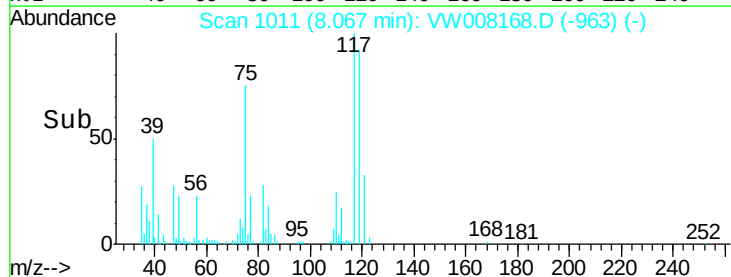
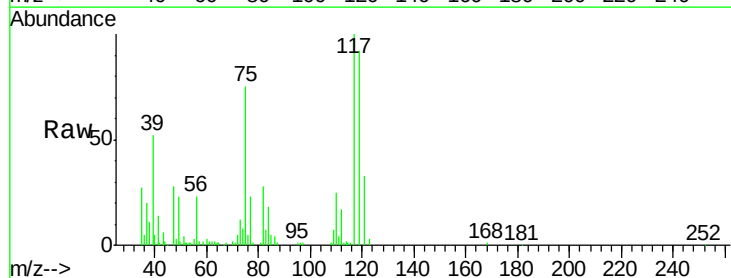
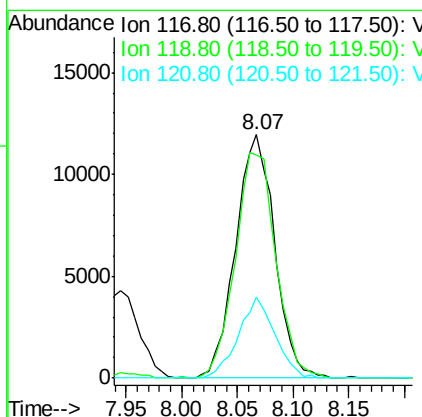
Manual Integrations
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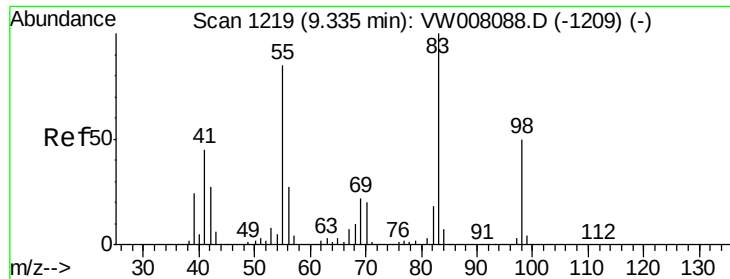
MMDadoda
1/11/2019 2:28:05 PM



#38
Carbon Tetrachloride
Concen: 19.085 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	75.8	113.8
121	33.3	23.7	35.5





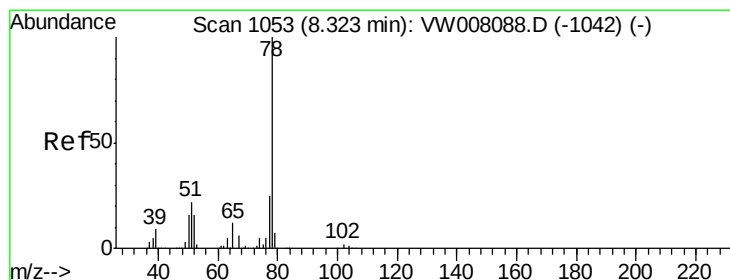
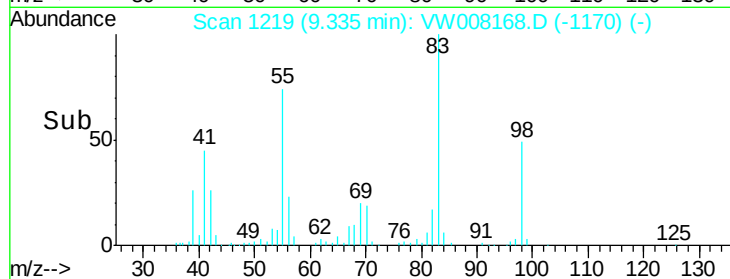
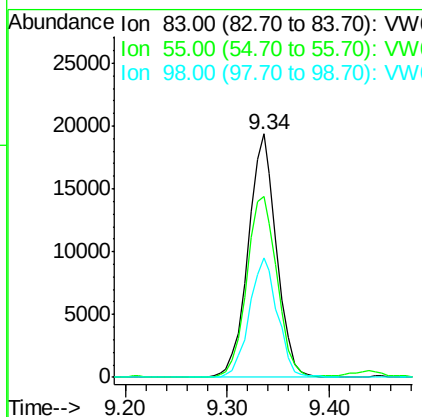
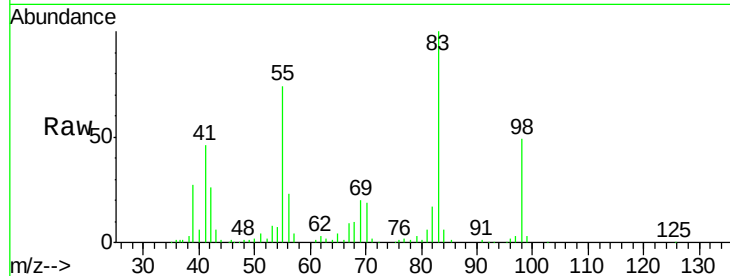
#39
Methylvlcyclohexane
Concen: 17.728 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	83.00	Resp	37465
Ion	Ratio	Lower	Upper
83	100		
55	74.2	67.8	101.6
98	49.3	40.2	60.4

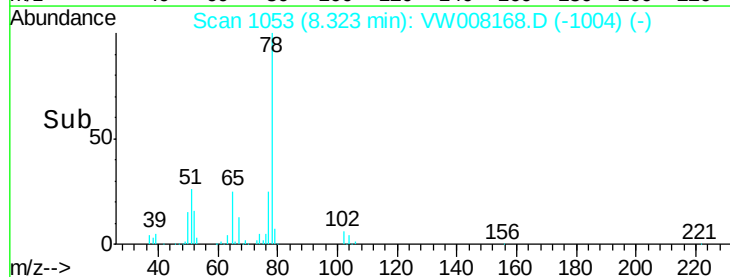
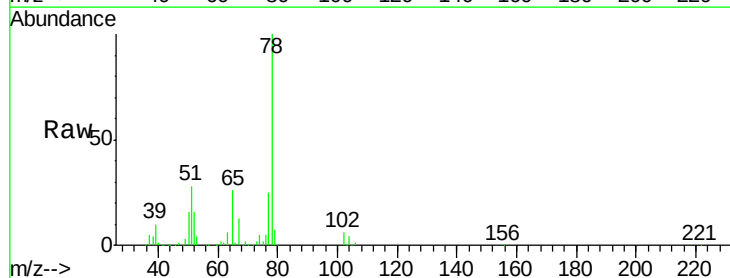
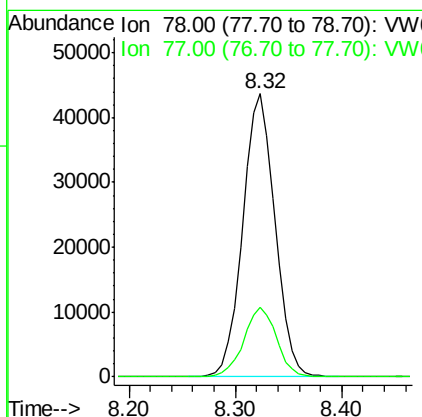
Manual Integrations
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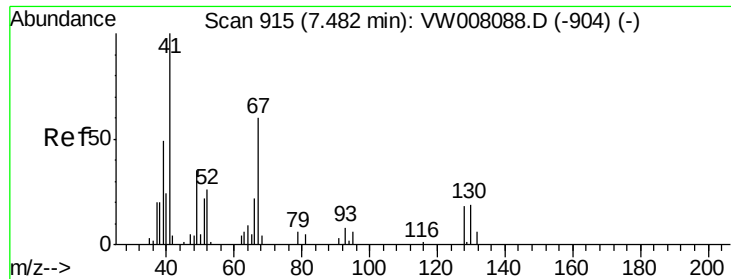
MMDadoda
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#40
Benzene
Concen: 20.494 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	78.00	Resp	92642
Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.2	30.4





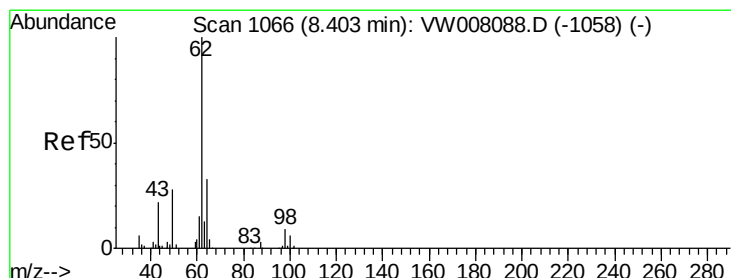
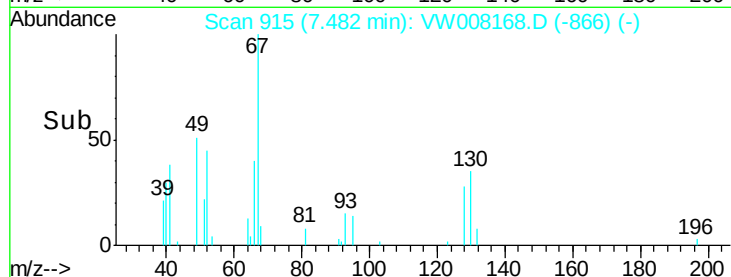
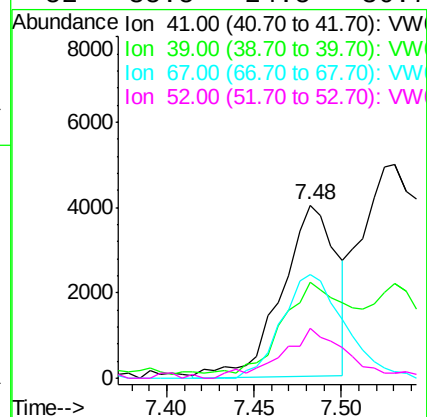
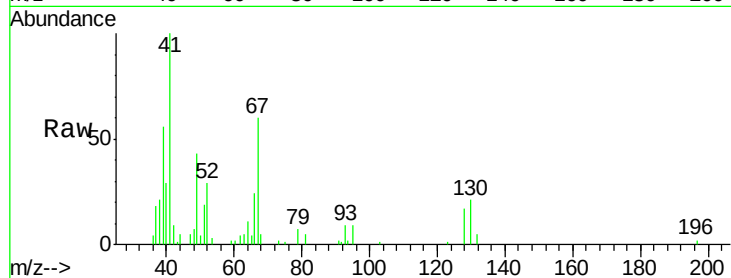
#41
Methacrylonitrile
Concen: 20.858 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.7	47.9	71.9
67	69.8	56.3	84.5
52	35.5	24.5	36.7

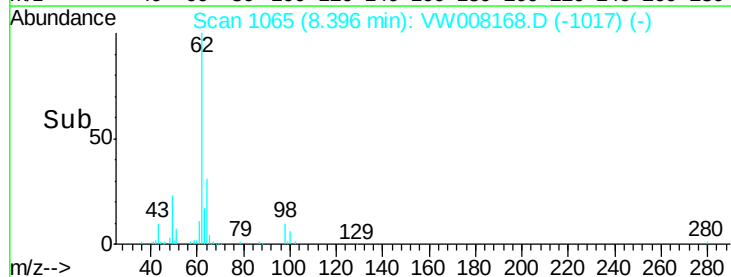
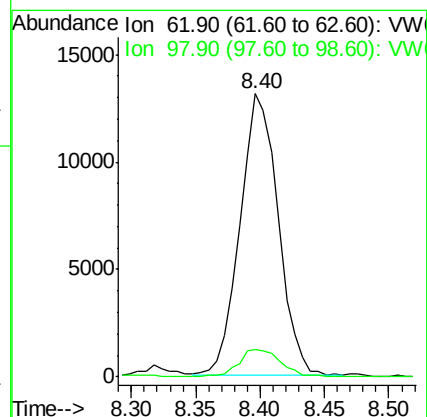
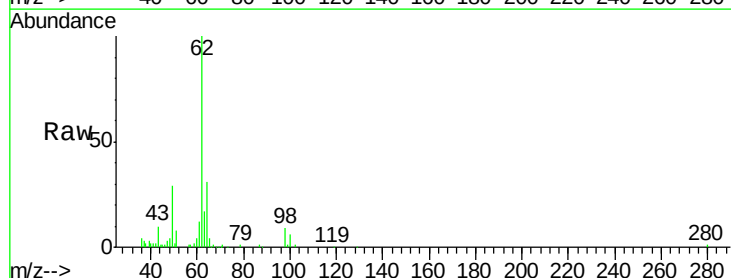
Manual Integrations
APPROVED

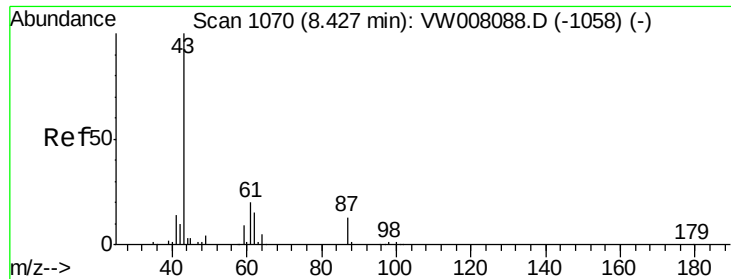
MMDadoda
1/11/2019 2:28:05 PM



#42
1,2-Dichloroethane
Concen: 21.200 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.686 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

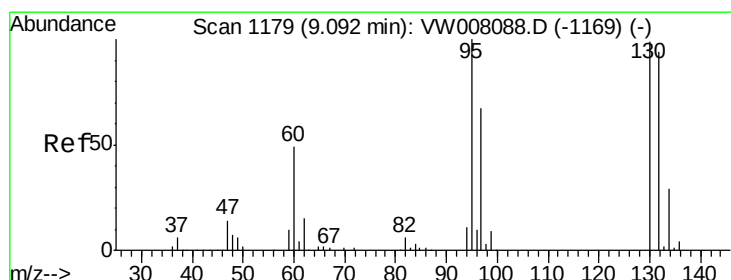
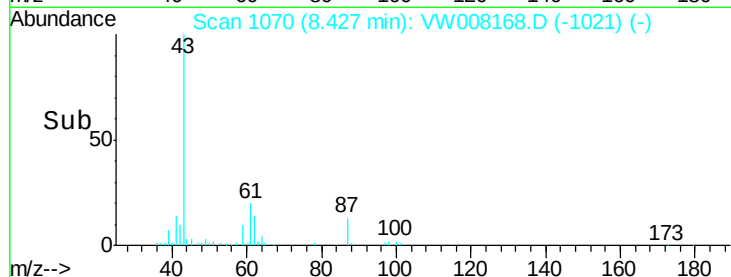
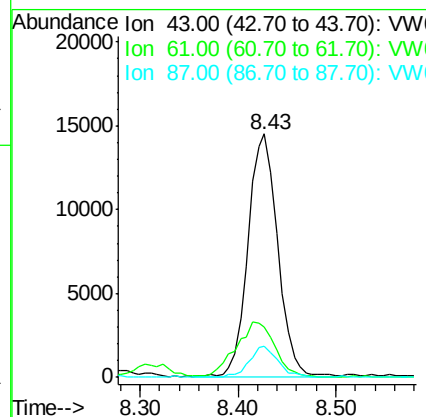
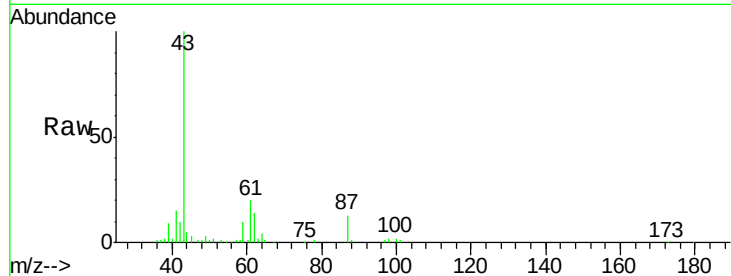
ClientSampleId :

VW0110SBS02

Tot Ion:	43	Resp:	30286
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	12.6	10.4	15.6

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#44

Trichloroethene

Concen: 20.020 ug/l

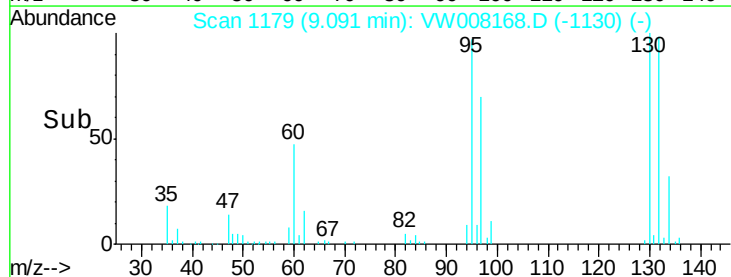
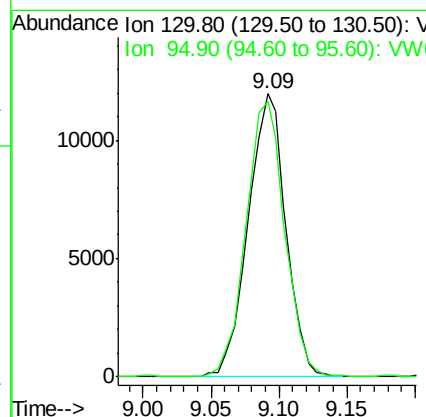
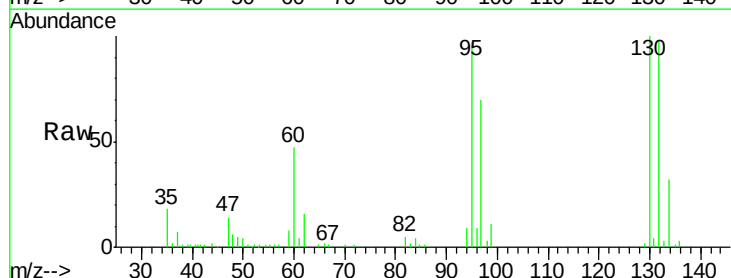
RT: 9.09 min Scan# 1179

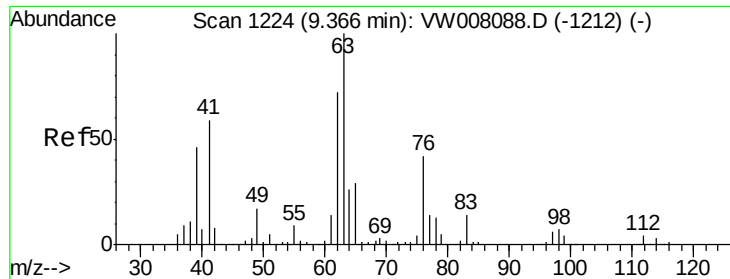
Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	130	Resp:	23167
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	202.8





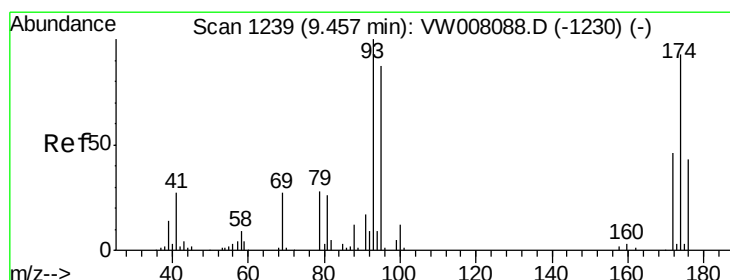
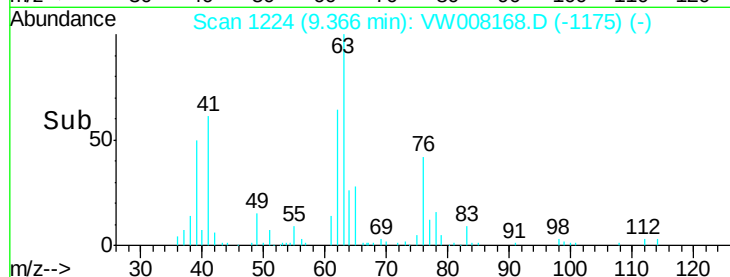
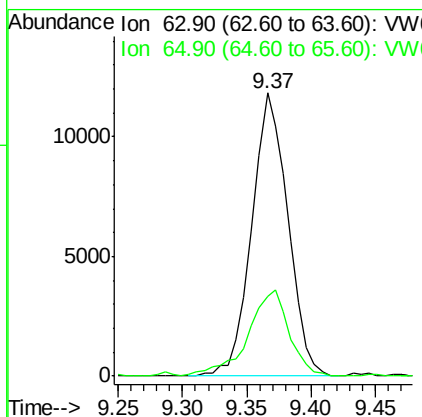
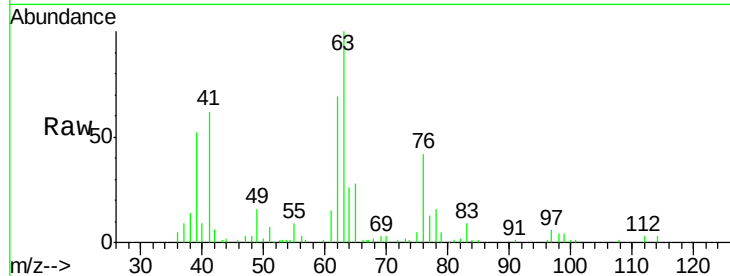
#45
 1,2-Dichloropropane
 Concen: 20.484 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampled :
 VW0110SBS02

Tot Ion: 63 Resp: 22960
 Ion Ratio Lower Upper
 63 100
 65 28.4 23.3 34.9

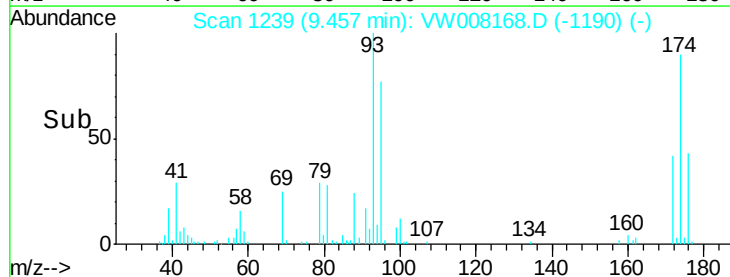
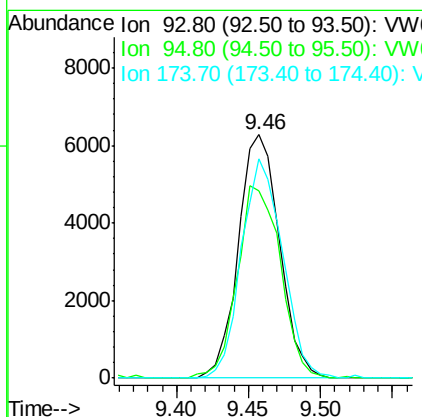
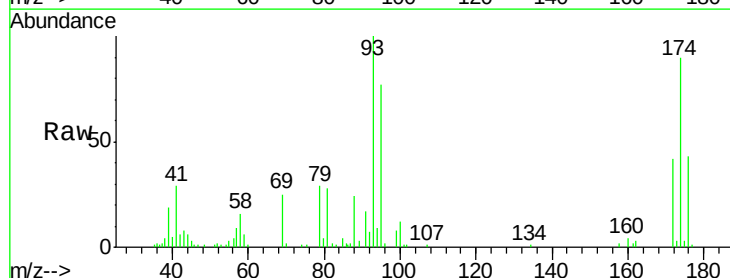
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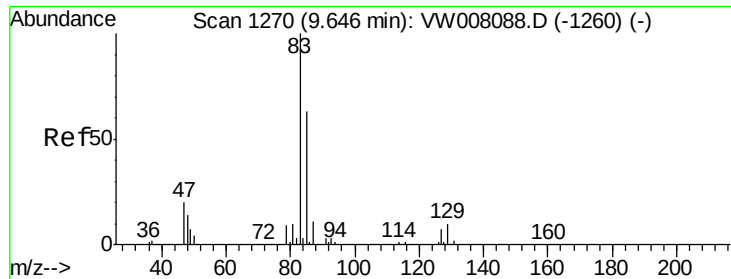
MMDadoda
 1/11/2019 2:28:05 PM



#46
 Dibromomethane
 Concen: 22.573 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion: 93 Resp: 12426
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.5 101.3
 174 90.1 72.5 108.7





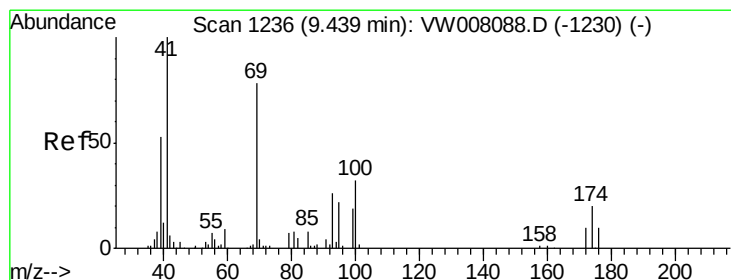
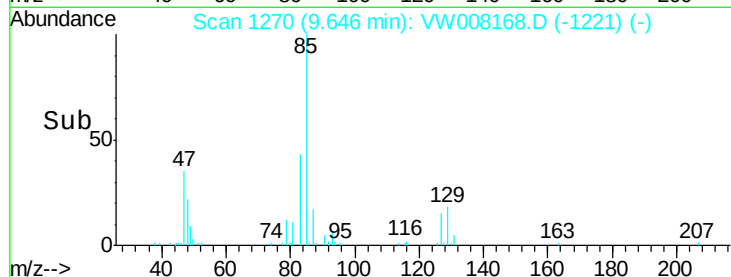
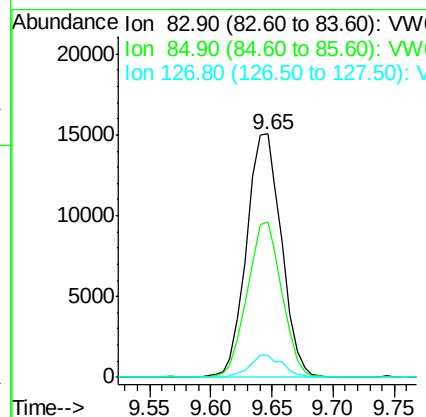
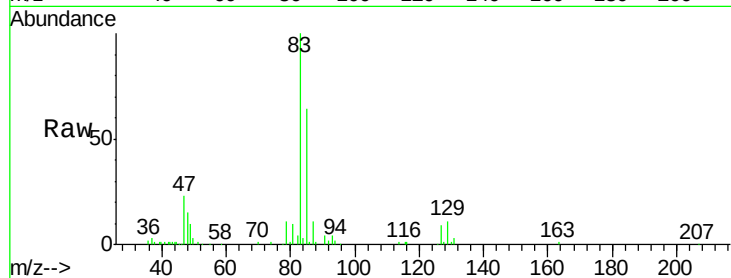
#47
 Bromodichloromethane
 Concen: 21.347 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion	83	Resp	29838
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.7	76.1
127	9.4	6.0	9.0#

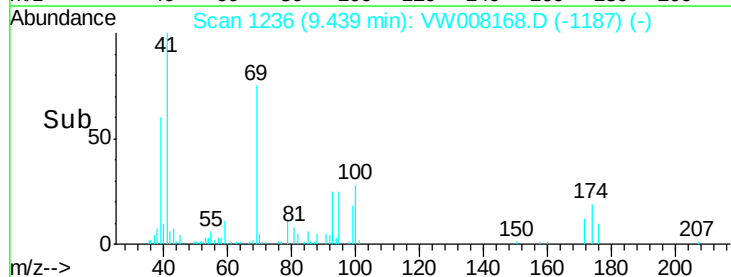
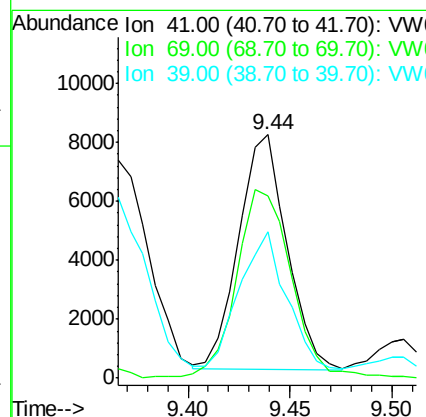
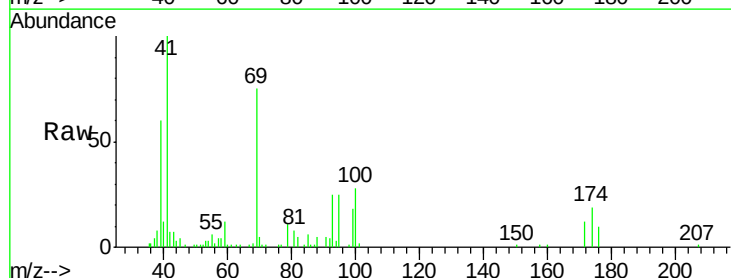
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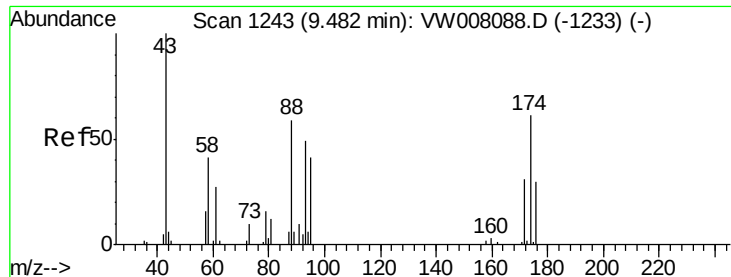
MMDadoda
 1/11/2019 2:28:05 PM



#48
 Methyl methacrylate
 Concen: 20.718 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion	41	Resp	13051
Ion Ratio	100	Lower	Upper
41	100		
69	92.4	61.9	92.9
39	63.1	43.0	64.4





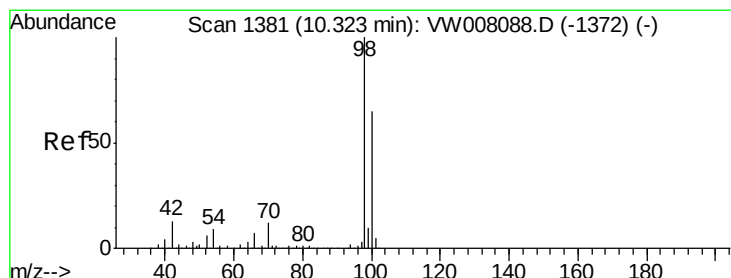
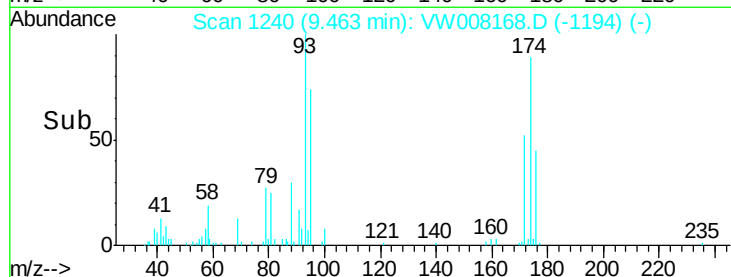
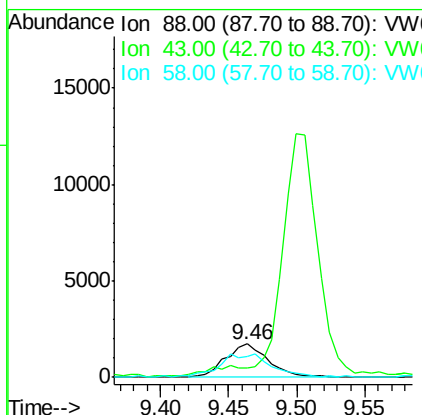
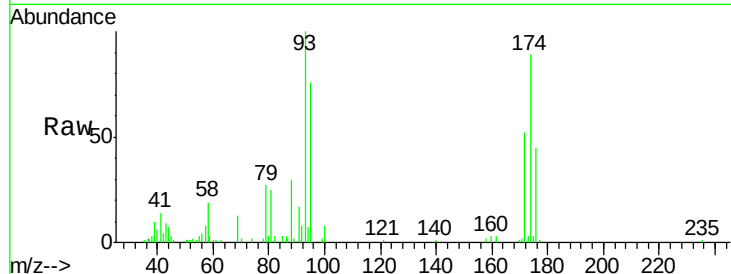
#49
1,4-Dioxane
Concen: 428.574 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	88	Resp	3794
Ion	Ratio	Lower	Upper
88	100		
43	21.2	0.0	0.0#
58	86.3	61.7	92.5

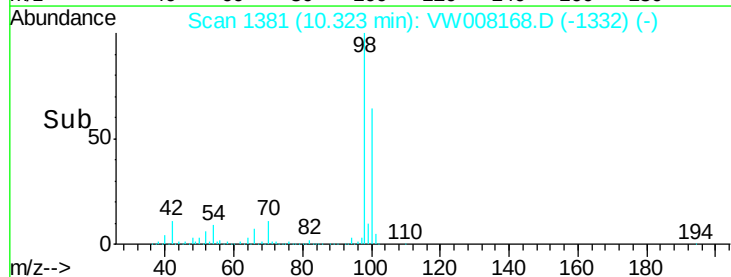
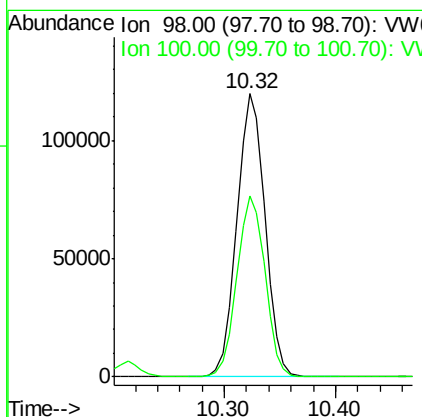
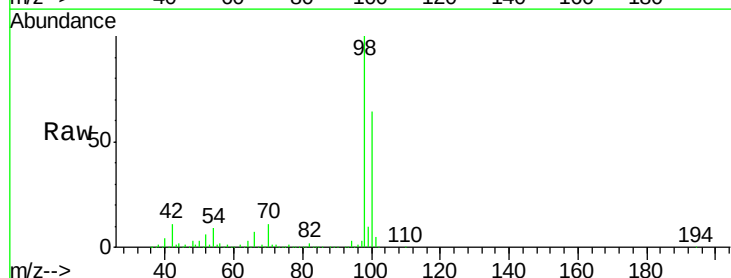
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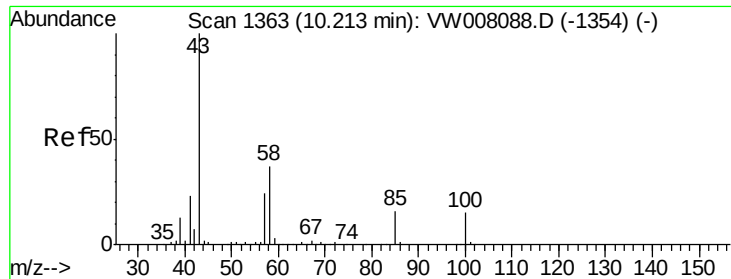
MMDadoda
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#50
Toluene-d8
Concen: 52.871 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	98	Resp	209369
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





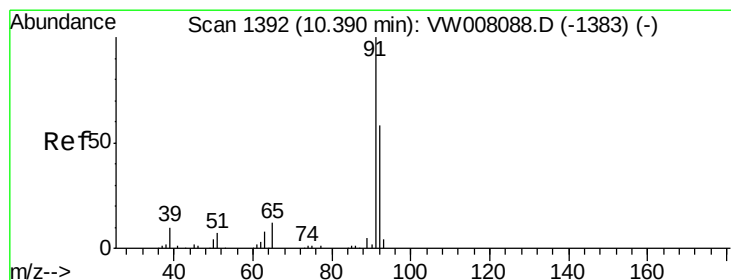
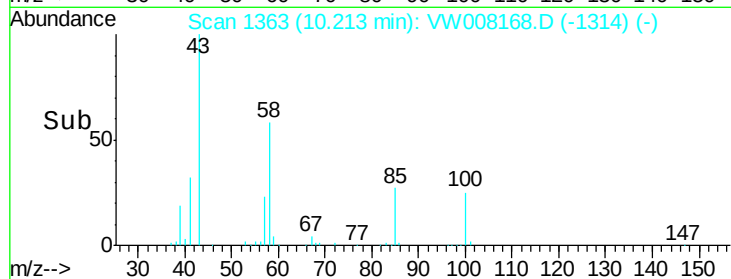
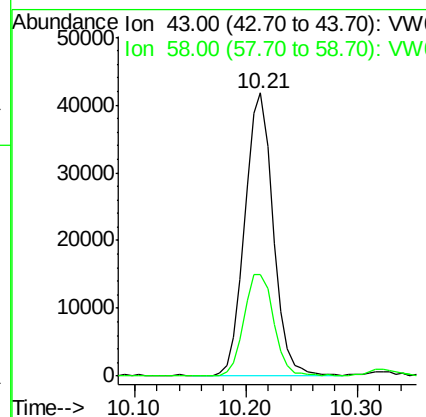
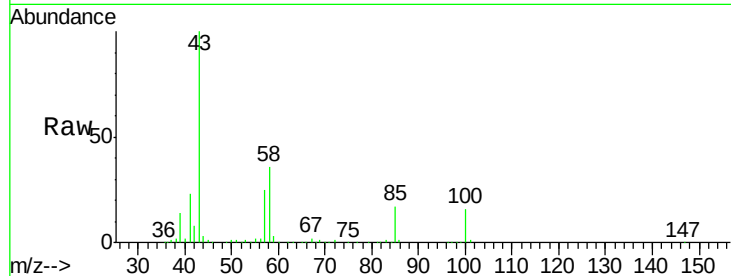
#51
 4-Methyl-2-Pentanone
 Concen: 114.087 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion: 43 Resp: 73726
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.6 46.0

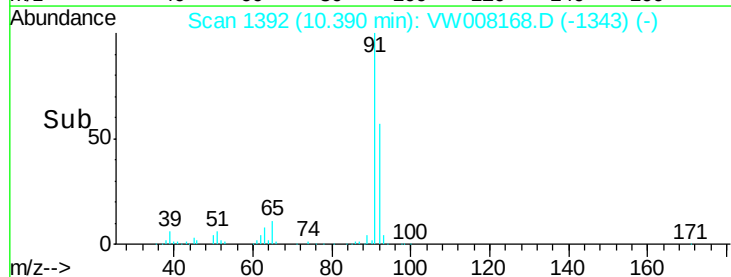
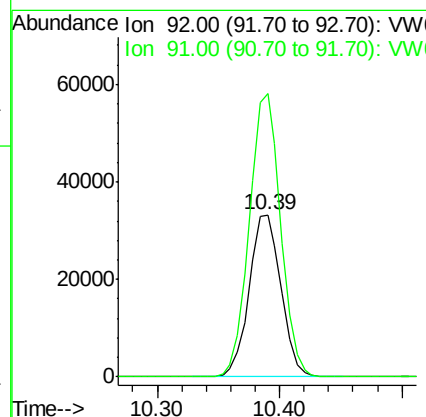
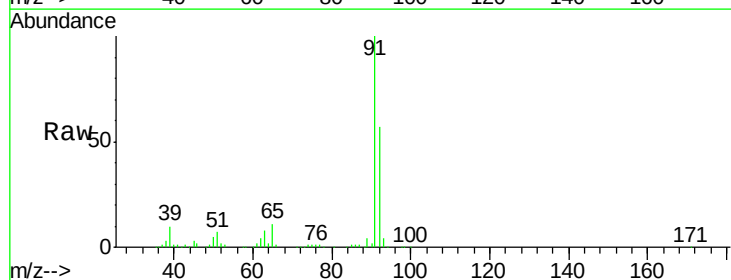
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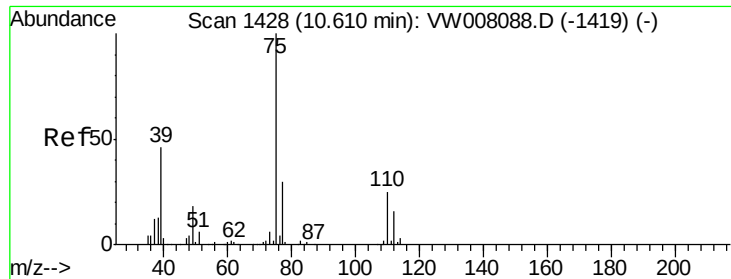
MMDadoda
 1/11/2019 2:28:05 PM



#52
 Toluene
 Concen: 20.775 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion: 92 Resp: 59977
 Ion Ratio Lower Upper
 92 100
 91 172.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.792 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion: 75 Resp: 30230

Ion Ratio Lower Upper

75 100

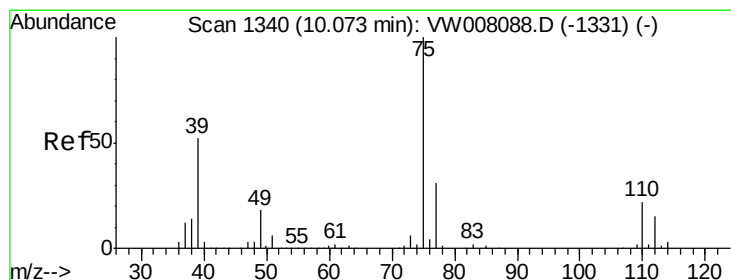
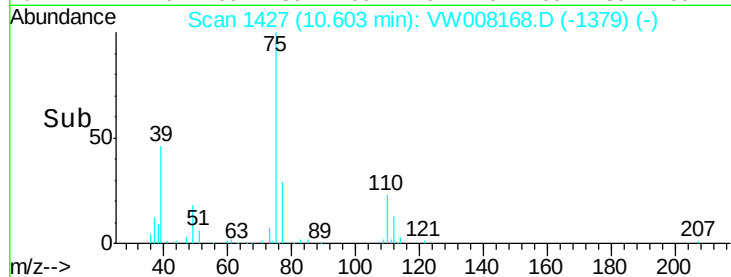
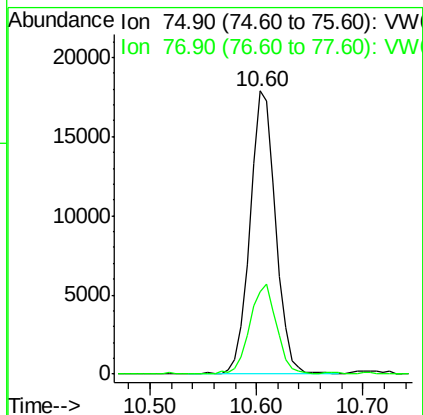
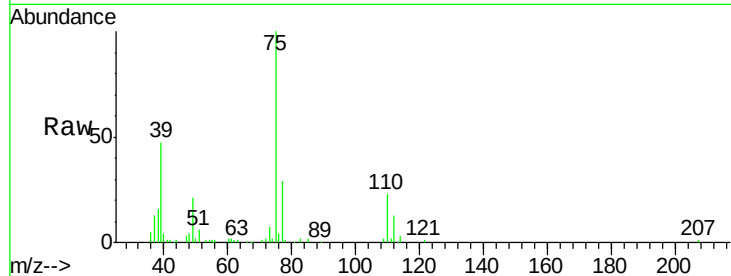
77 29.1 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.897 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

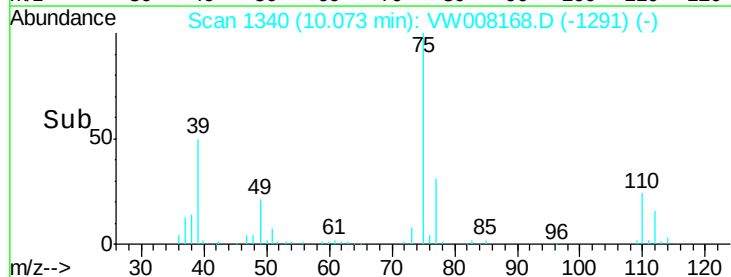
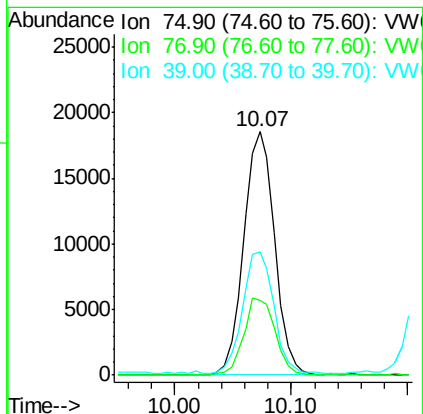
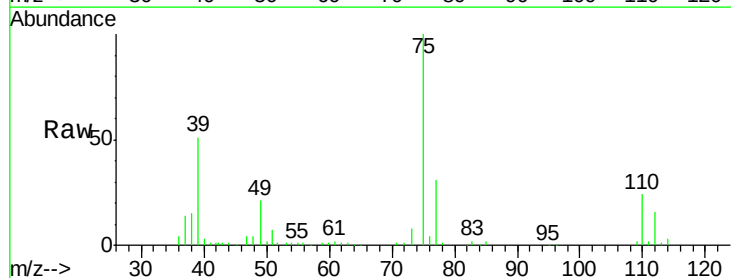
Tgt Ion: 75 Resp: 34304

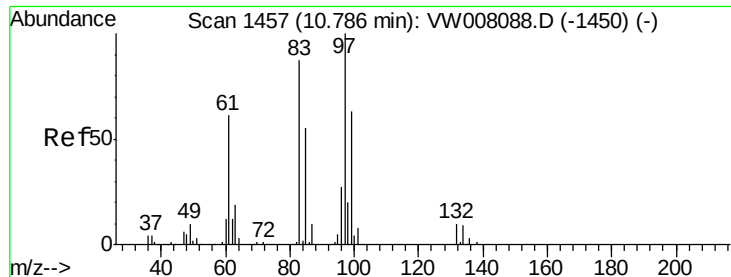
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 49.7 41.4 62.0





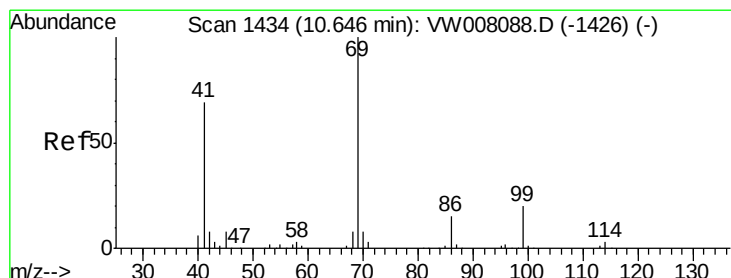
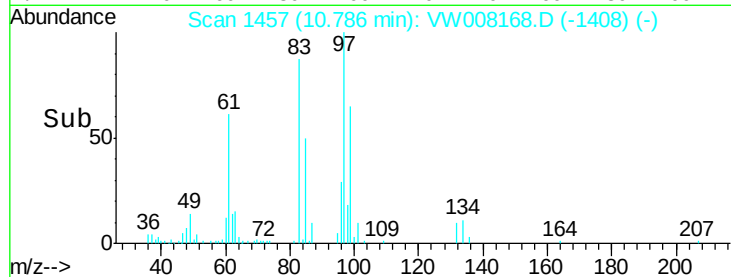
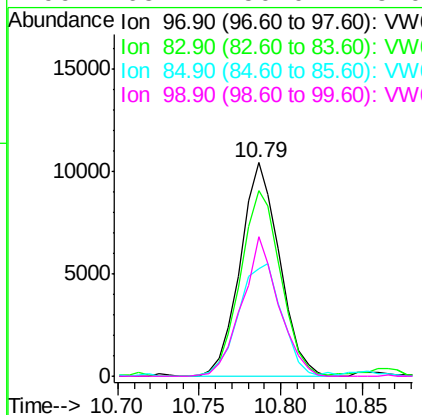
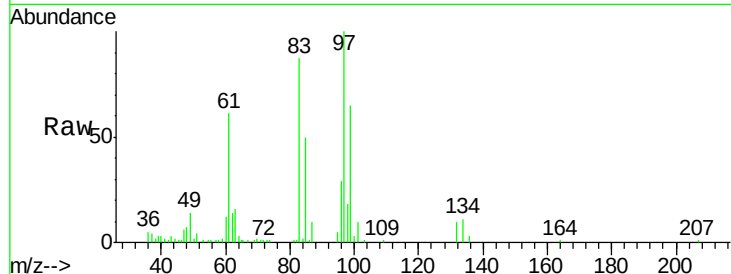
#55
 1,1,2-Trichloroethane
 Concen: 22.578 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion:	97	Resp:	17450
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.3	103.9
85	50.4	43.8	65.6
99	65.1	50.0	75.0

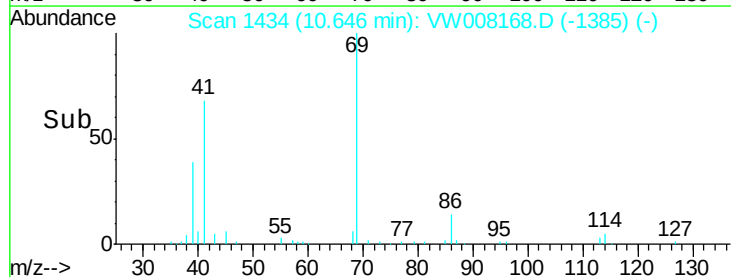
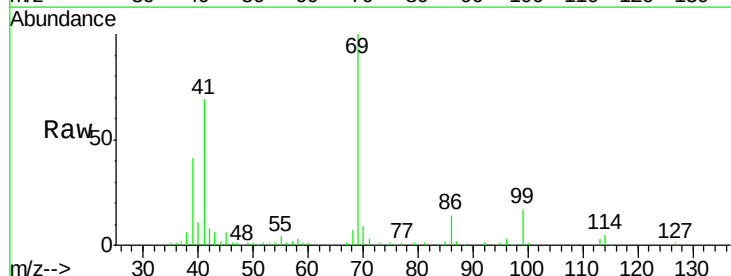
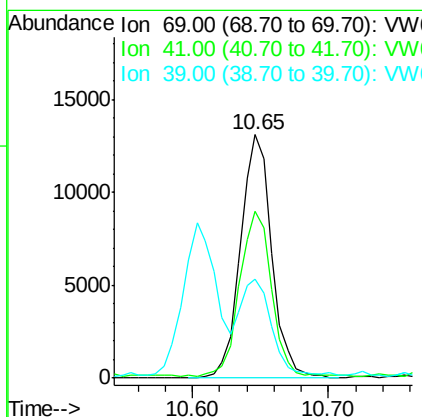
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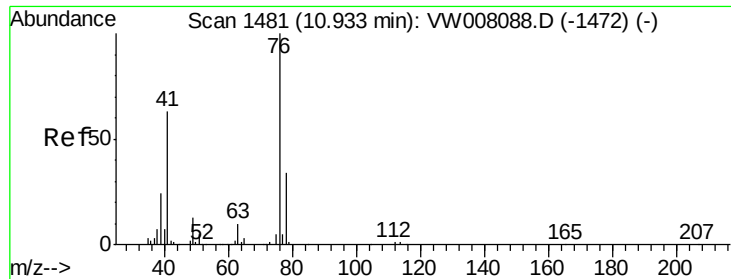
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#56
 Ethyl methacrylate
 Concen: 21.906 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion:	69	Resp:	20967
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.4	84.6
39	39.6	28.1	42.1





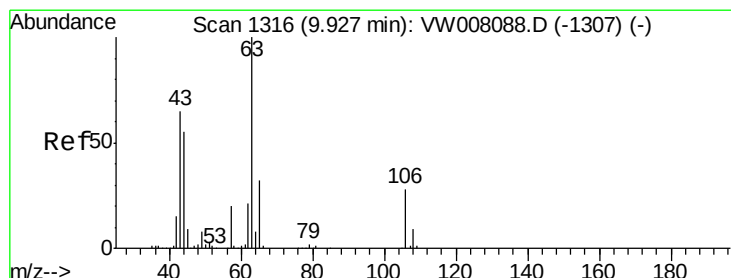
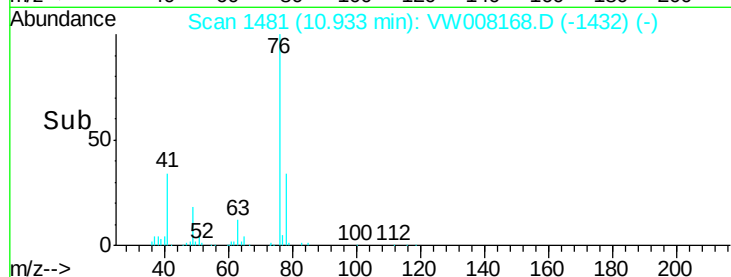
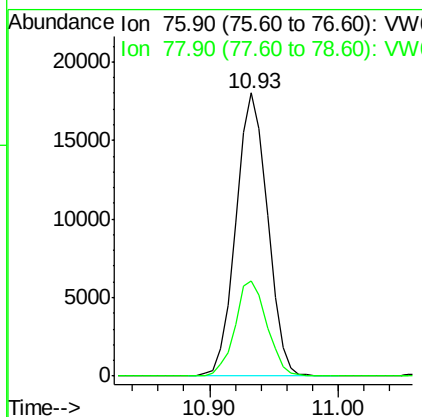
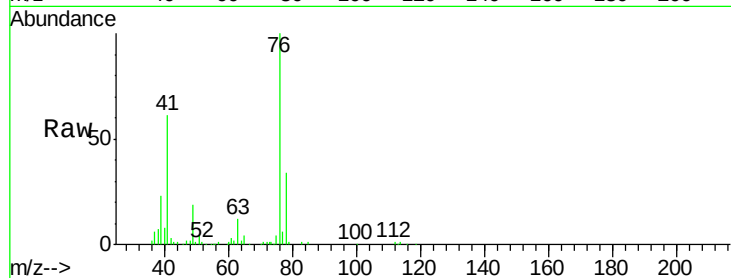
#57
 1,3-Dichloropropane
 Concen: 21.667 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion: 76 Resp: 30625
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.7 38.5

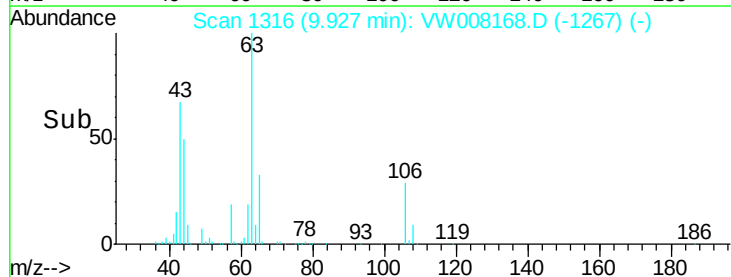
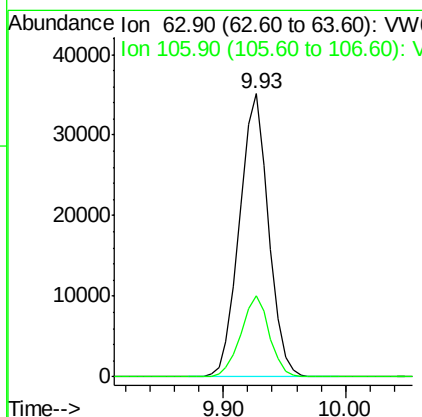
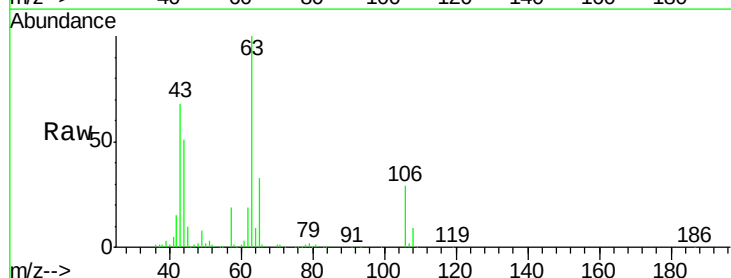
Manual Integrations
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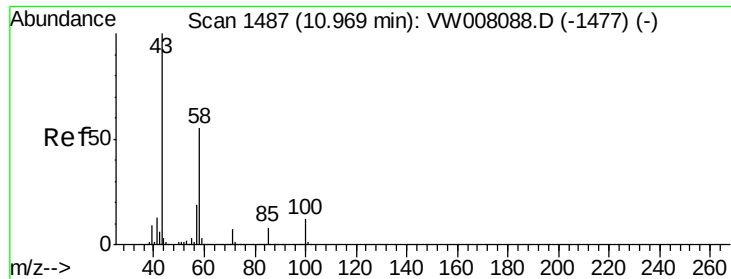
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.947 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion: 63 Resp: 57819
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.8 32.6





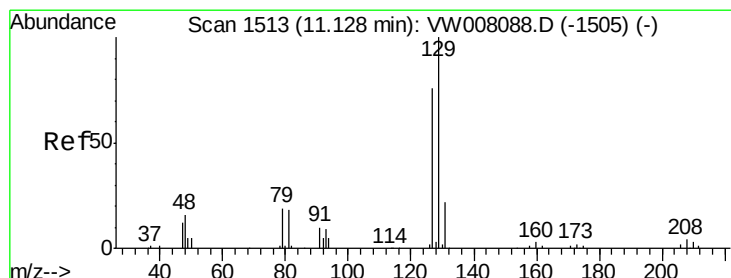
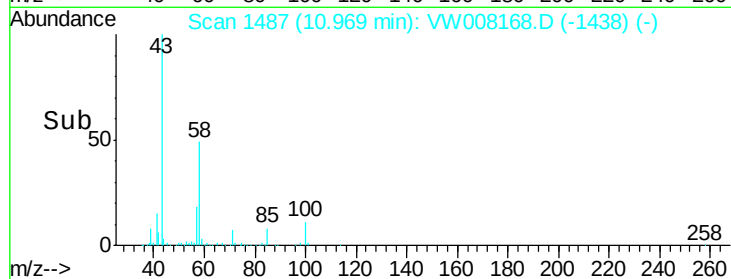
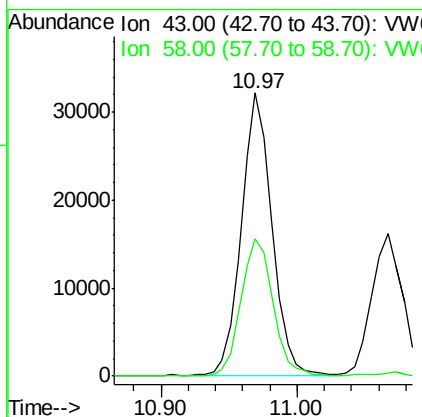
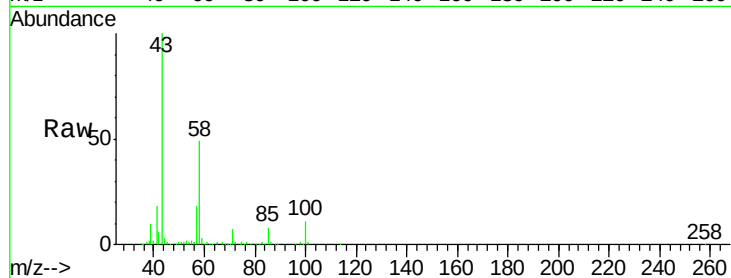
#59
2-Hexanone
Concen: 114.821 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion: 43 Resp: 50178
Ion Ratio Lower Upper
43 100
58 51.4 27.2 81.5

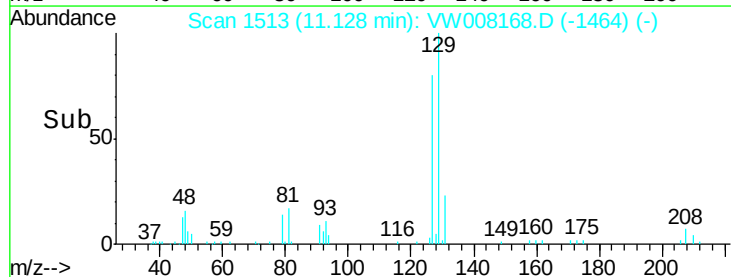
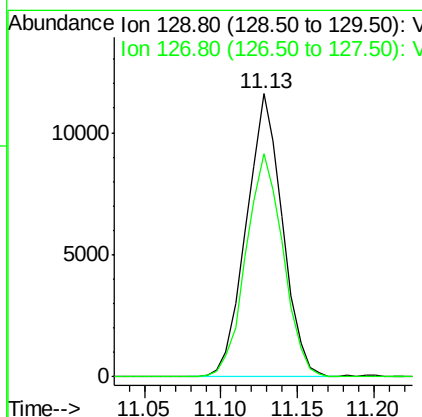
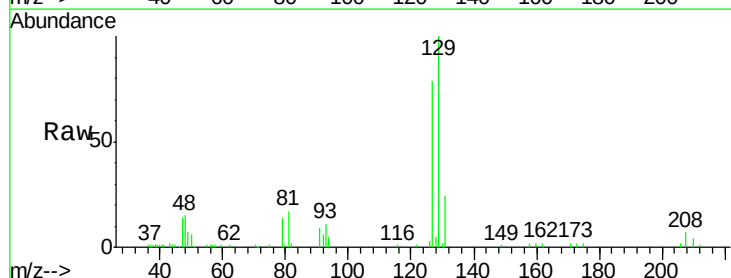
Manual Integrations
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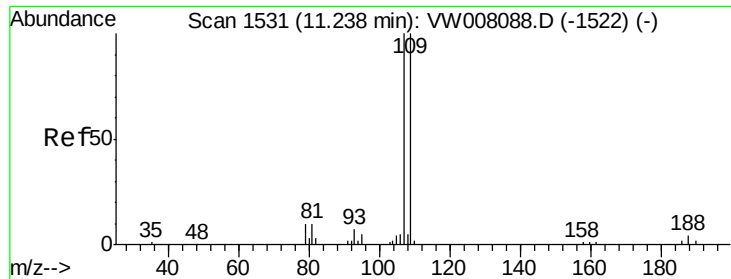
MMDadoda
1/11/2019 2:28:05 PM



#60
Dibromochloromethane
Concen: 22.404 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion: 129 Resp: 19014
Ion Ratio Lower Upper
129 100
127 80.9 38.9 116.6





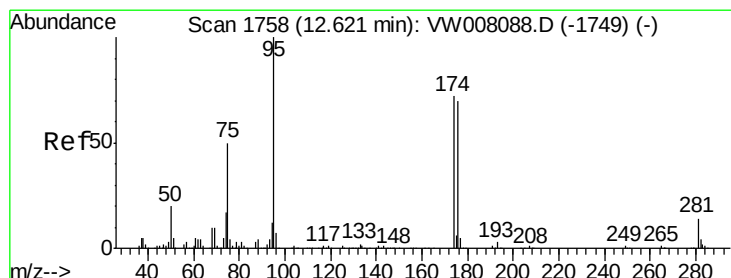
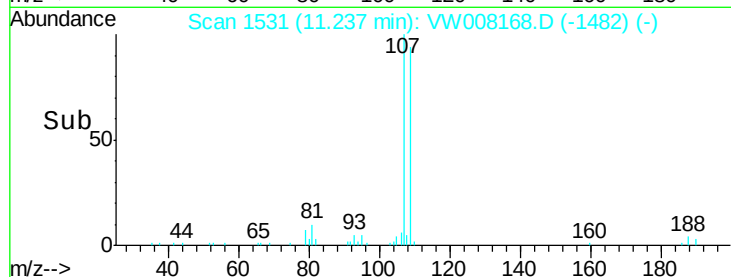
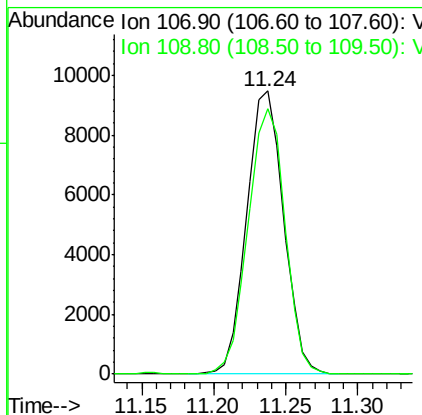
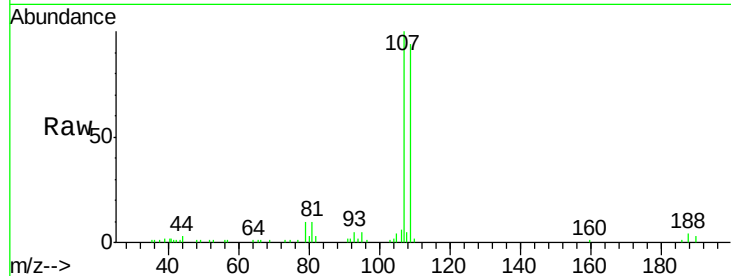
#61
 1,2-Dibromoethane
 Concen: 22.936 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion: 107 Resp: 16820
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.9 113.9

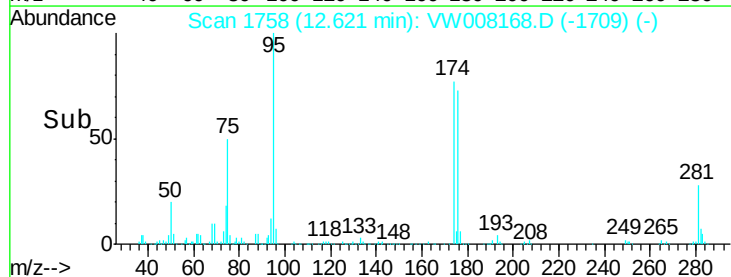
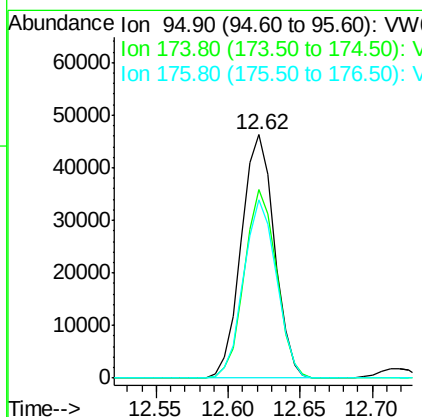
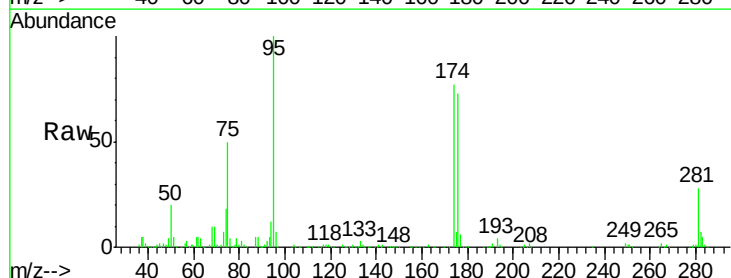
Manual Integrations
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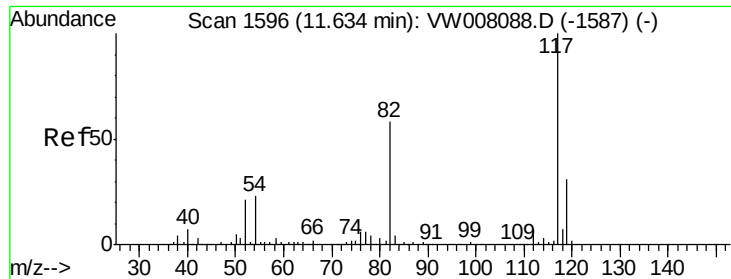
MMDadoda
 1/11/2019 2:28:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.064 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion: 95 Resp: 73913
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 143.0
 176 72.5 0.0 140.2





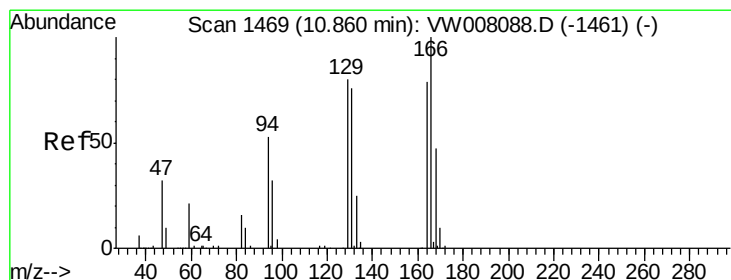
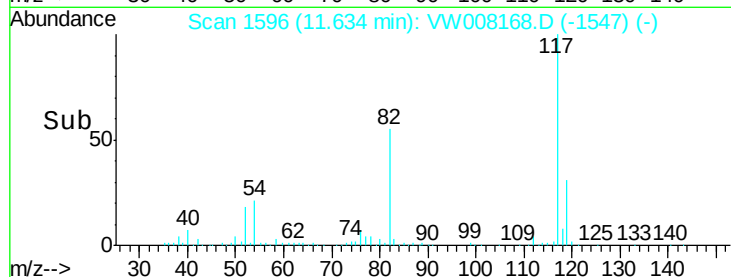
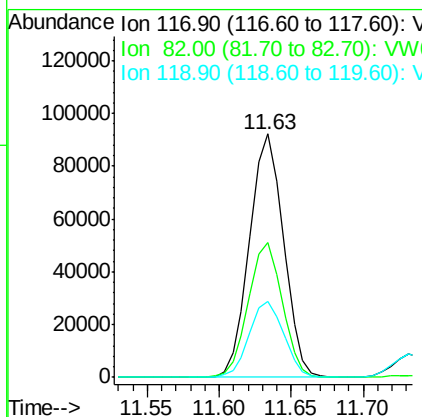
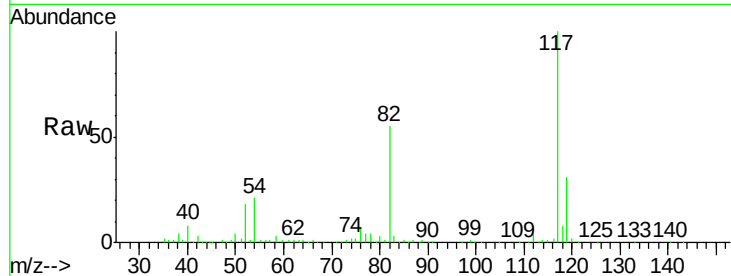
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	150962		
82	55.2	46.4	69.6	
119	31.1	24.7	37.1	

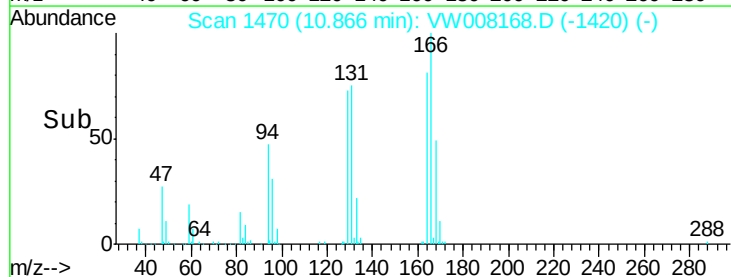
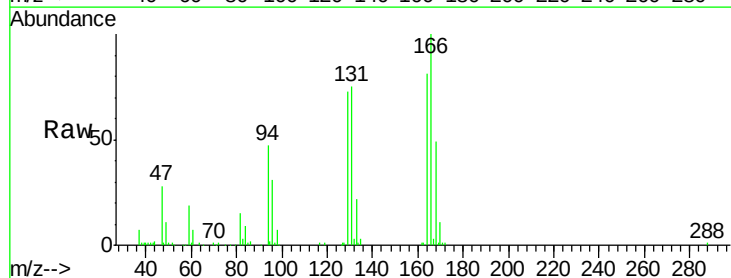
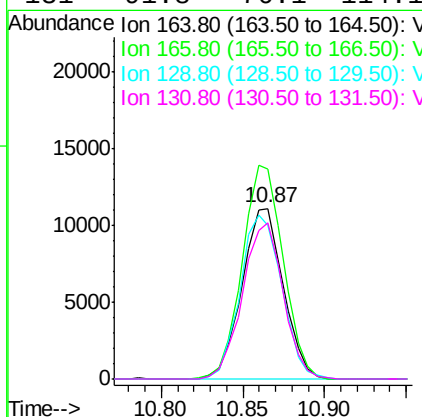
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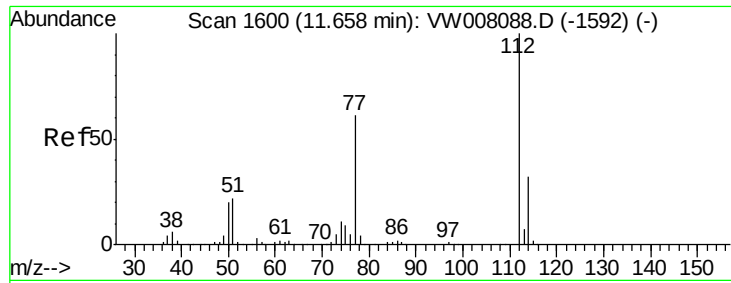
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#64
Tetrachloroethene
Concen: 19.945 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19595		
166	123.0	100.7	151.1	
129	90.2	81.0	121.4	
131	91.8	76.1	114.1	





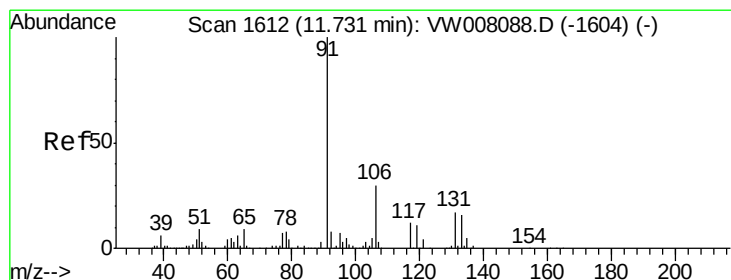
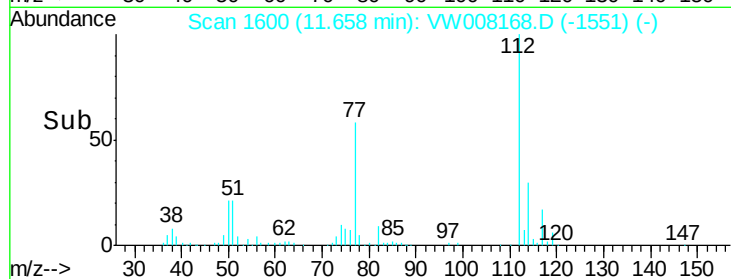
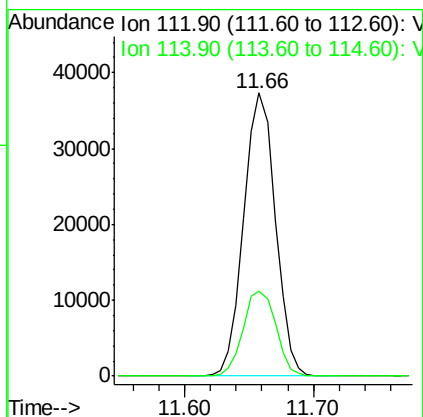
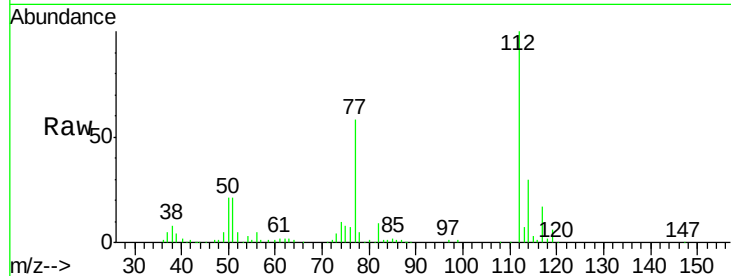
#65
Chlorobenzene
Concen: 19.813 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion:112 Resp: 63367
Ion Ratio Lower Upper
112 100
114 30.1 25.6 38.4

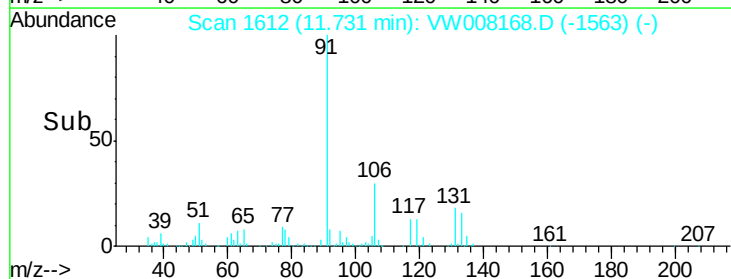
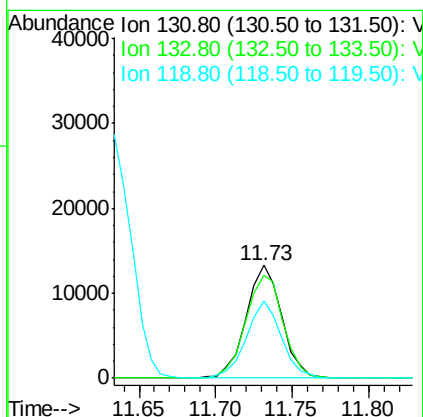
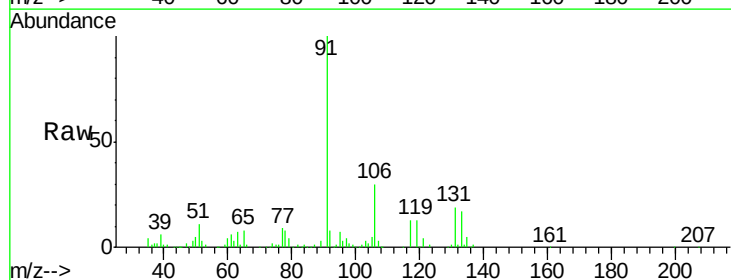
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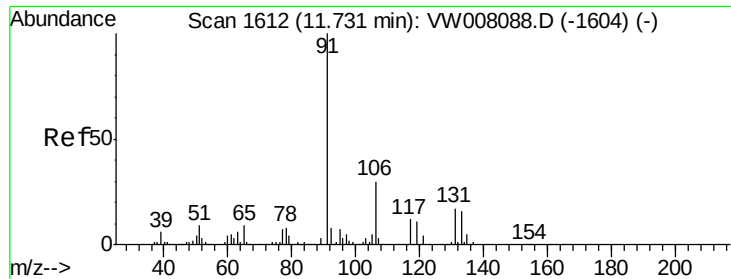
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion:131 Resp: 21457
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 66.8 32.5 97.4





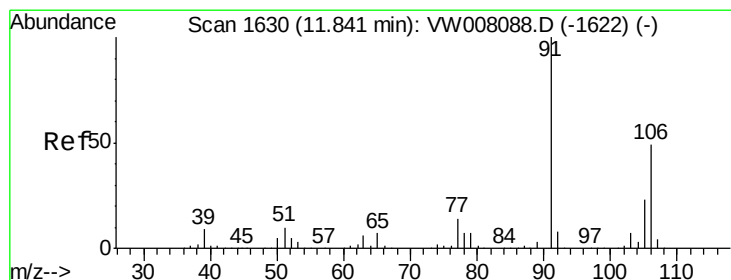
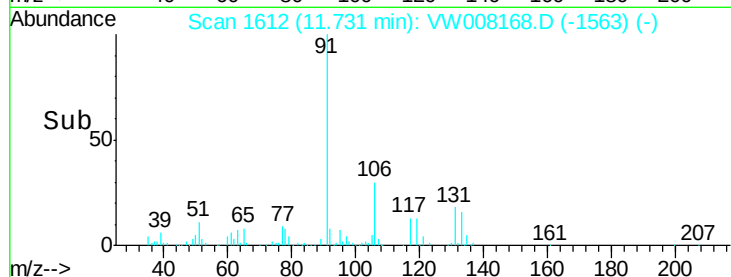
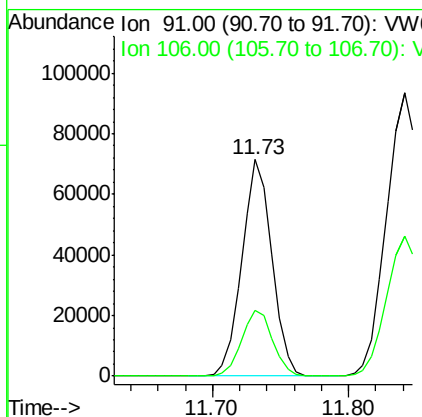
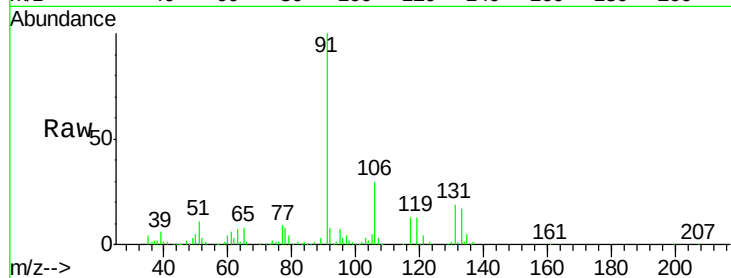
#67
Ethyl Benzene
Concen: 18.789 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampled :
VW0110SBS02

Tot Ion: 91 Resp: 109952
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4

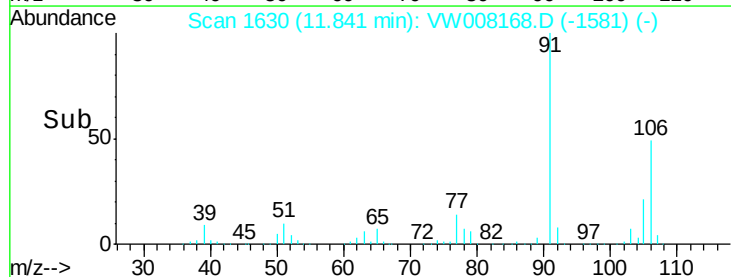
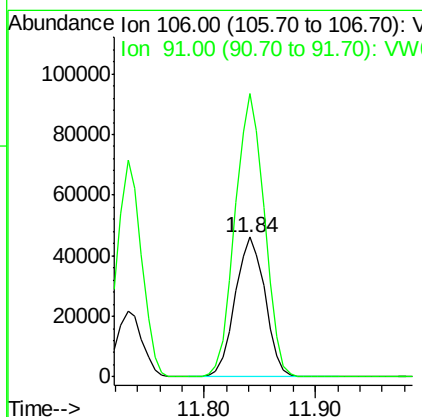
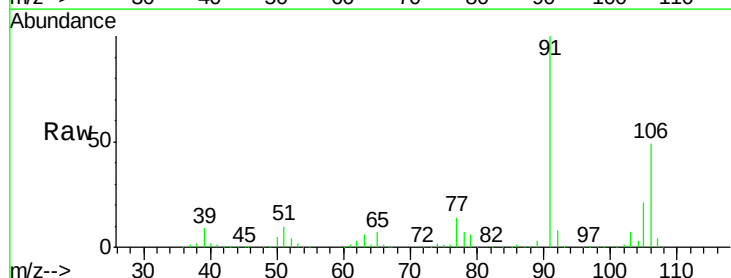
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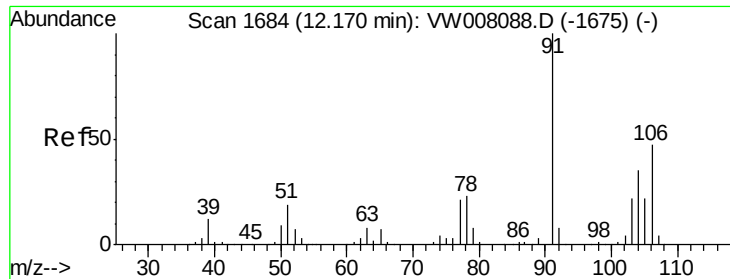
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#68
m/p-Xylenes
Concen: 38.472 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion: 106 Resp: 85932
Ion Ratio Lower Upper
106 100
91 198.3 162.4 243.6





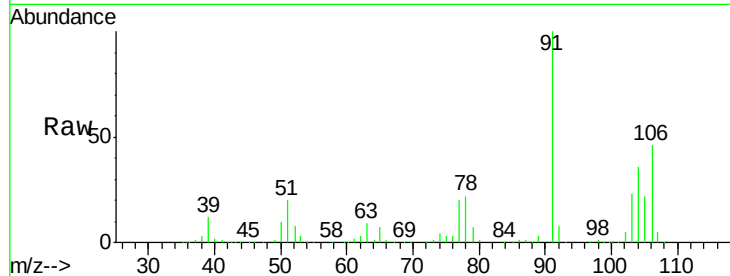
#69
o-Xylene
Concen: 19.496 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

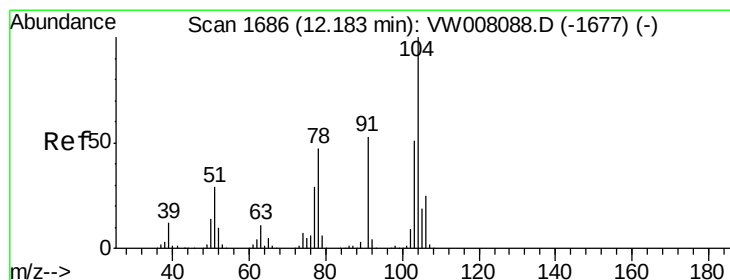
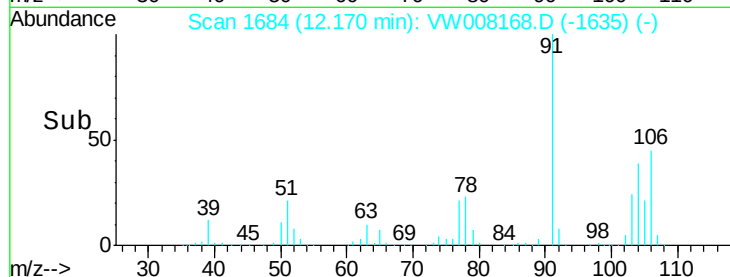
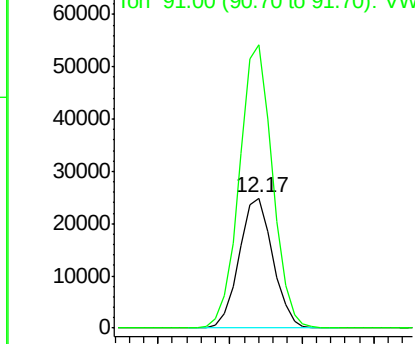
Tot Ion:106 Resp: 40326
Ion Ratio Lower Upper
106 100
91 214.1 107.8 323.6

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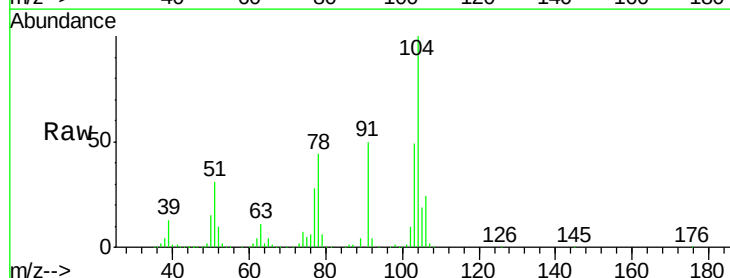


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

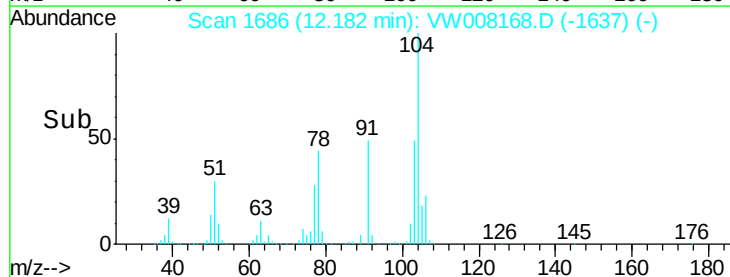
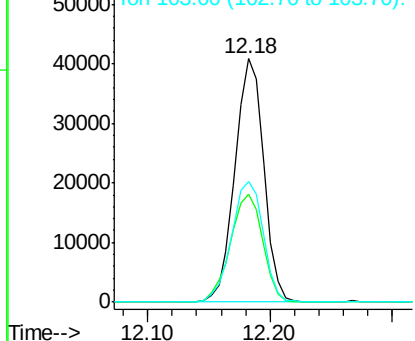


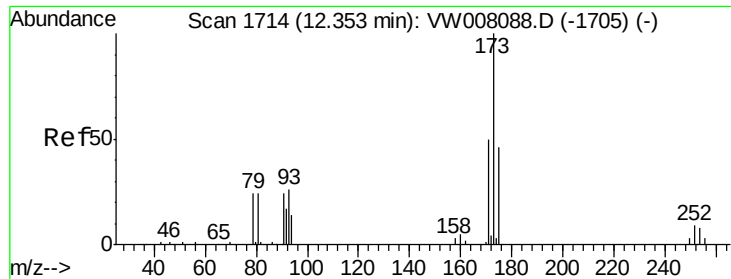
#70
Styrene
Concen: 20.541 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion:104 Resp: 66547
Ion Ratio Lower Upper
104 100
78 49.6 41.8 62.8
103 54.3 43.8 65.8



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





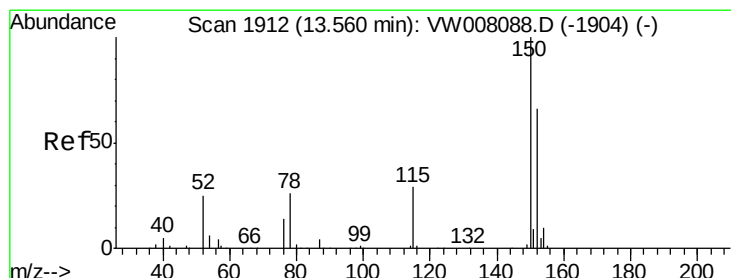
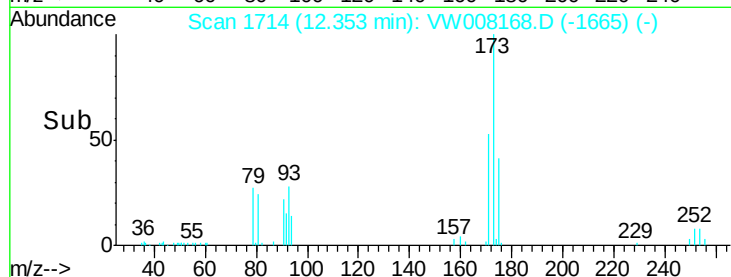
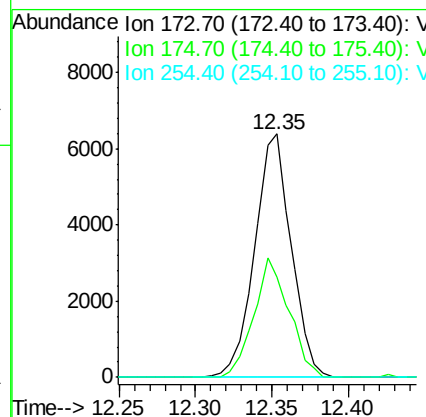
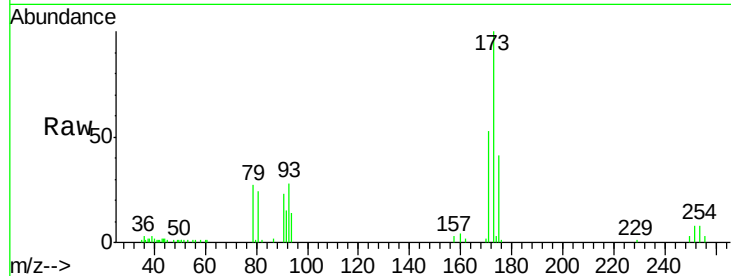
#71
Bromoform
Concen: 22.788 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.3	69.8
254	0.0	0.0	0.0

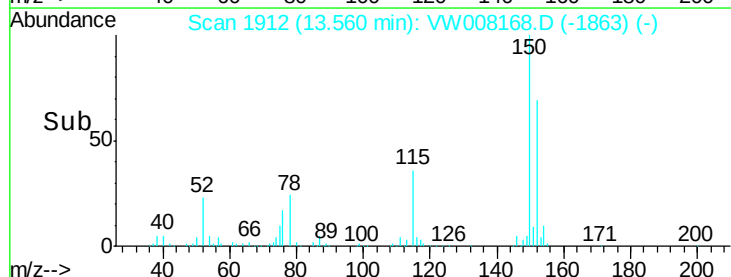
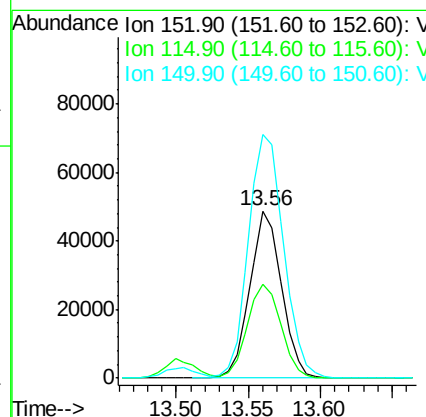
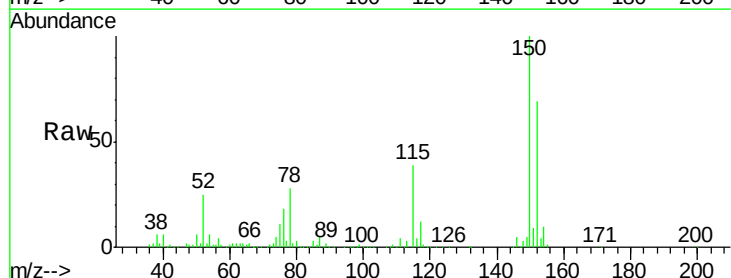
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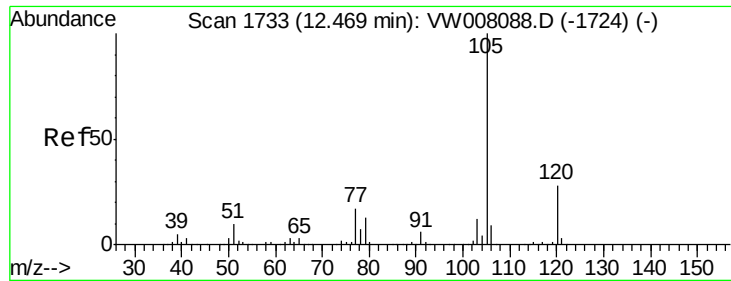
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.8	92.4
150	162.0	0.0	350.2





#73

Isopropylbenzene

Concen: 18.778 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion:105 Resp: 109034

Ion Ratio Lower Upper

105 100

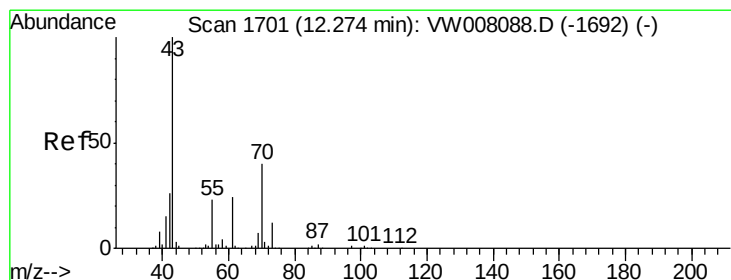
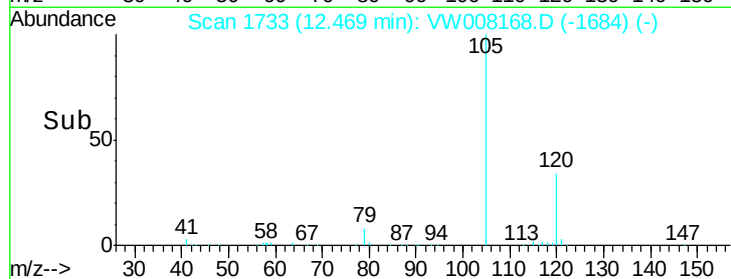
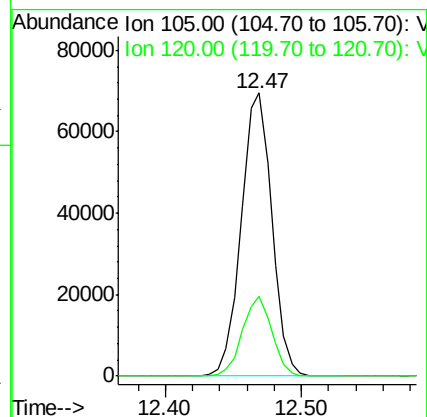
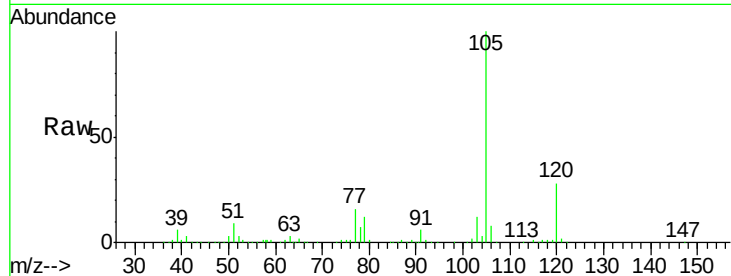
120 27.3 13.6 40.8

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#74

N-ethyl acetate

Concen: 21.210 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion: 43 Resp: 27274

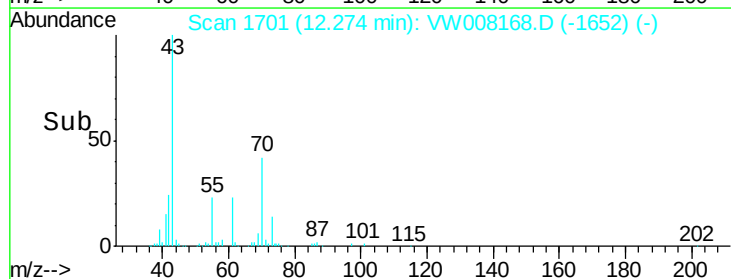
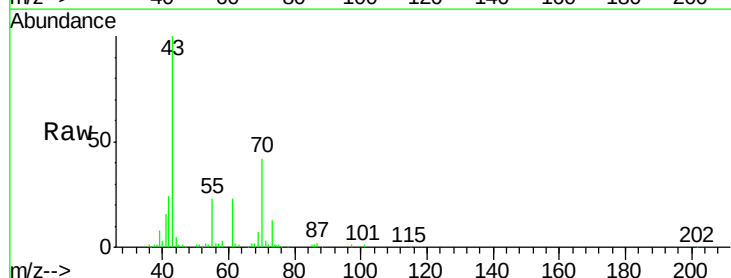
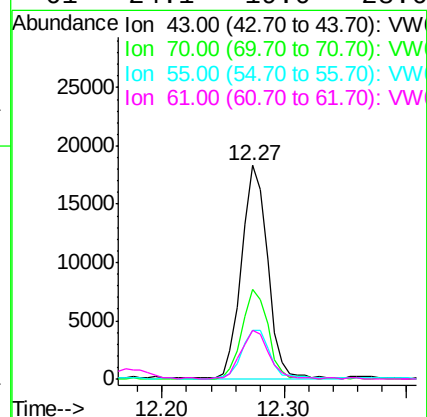
Ion Ratio Lower Upper

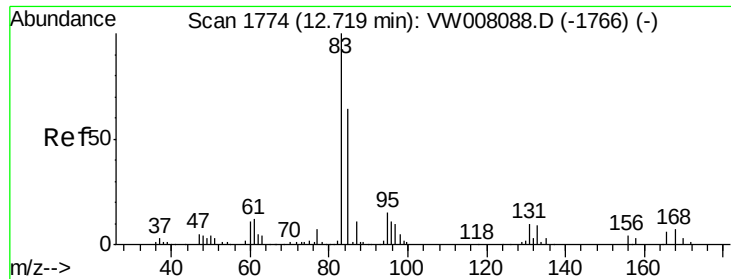
43 100

70 41.8 32.4 48.6

55 24.6 18.7 28.1

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.697 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

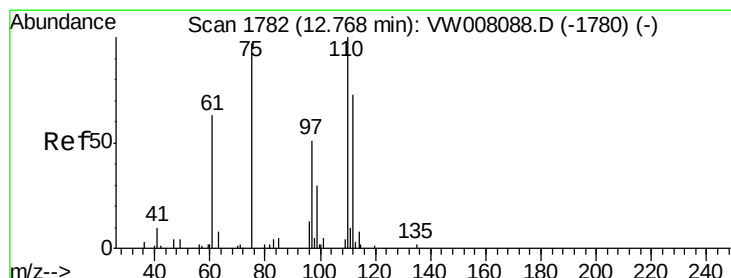
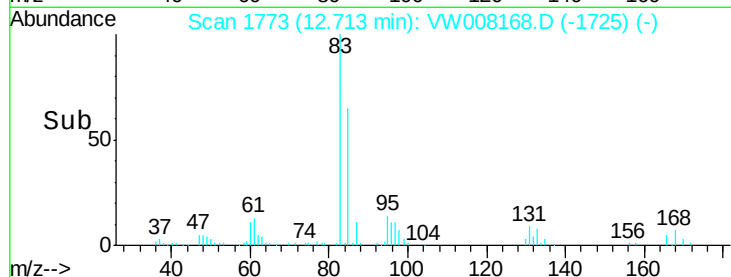
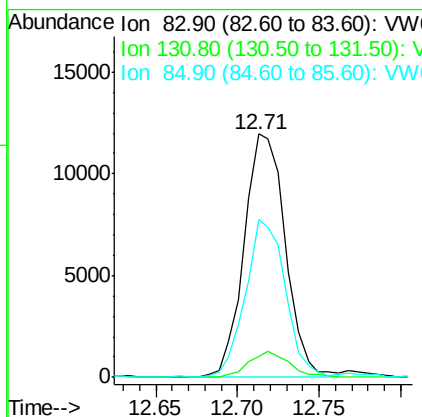
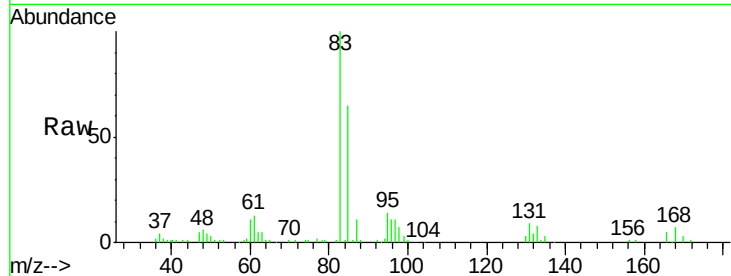
ClientSampleId :

VW0110SBS02

Tot Ion:	83	Resp:	21095
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	62.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 21.285 ug/l m

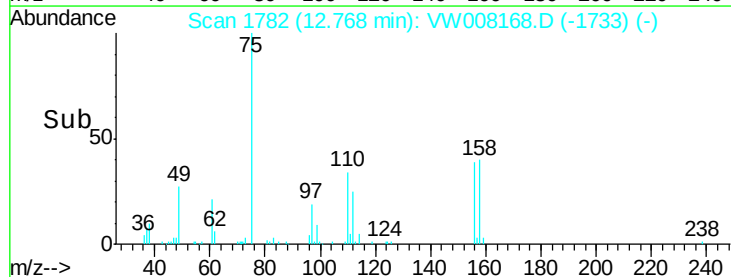
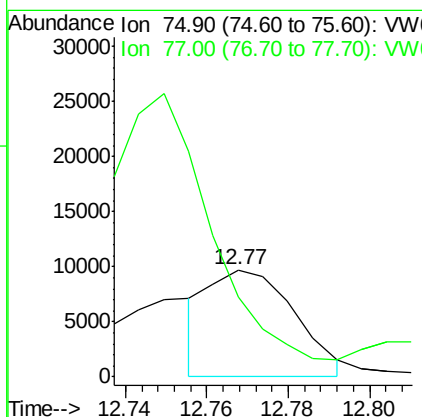
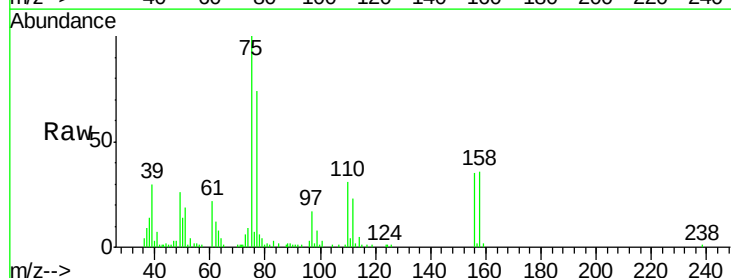
RT: 12.77 min Scan# 1782

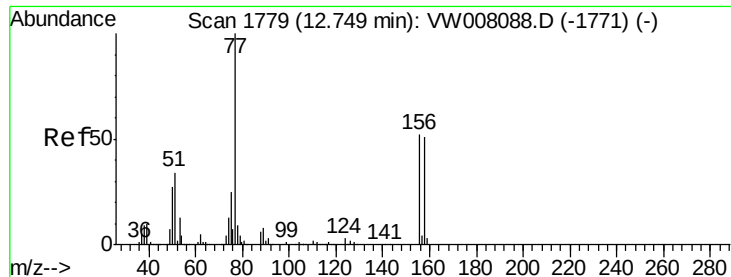
Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Tgt Ion:	75	Resp:	14351
Ion	Ratio	Lower	Upper
75	100		
77	335.4	179.4	538.2





#77

Bromobenzene

Concen: 20.235 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion:156 Resp: 24826

Ion Ratio Lower Upper

156 100

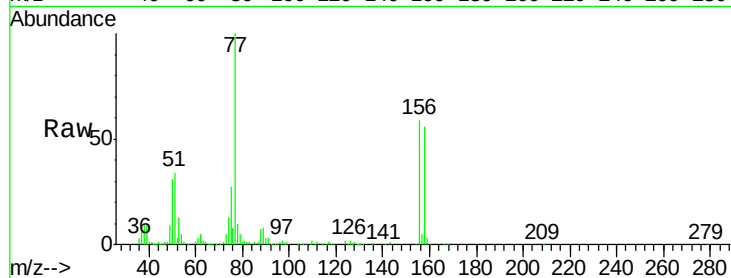
77 193.9 104.2 312.5

158 96.4 47.9 143.6

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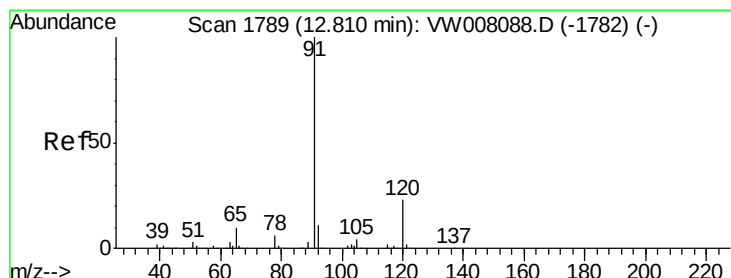
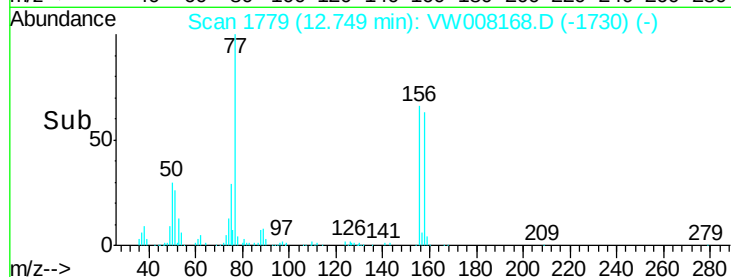
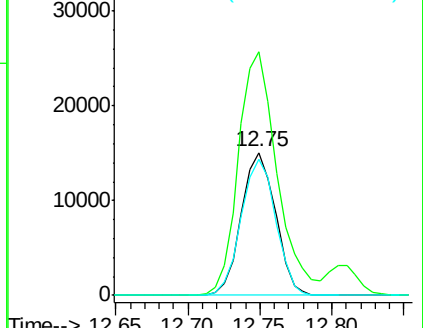
1/11/2019 2:28:05 PM



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: 18.415 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008168.D

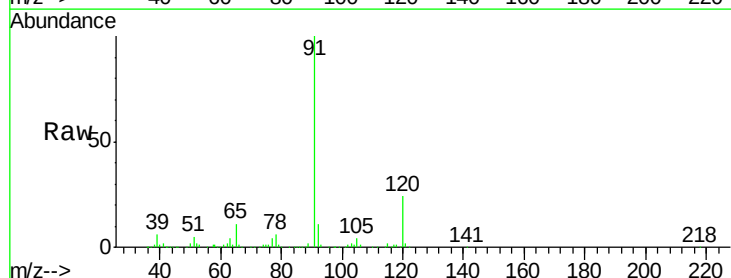
Acq: 11 Jan 2019 01:34

Tgt Ion: 91 Resp: 131012

Ion Ratio Lower Upper

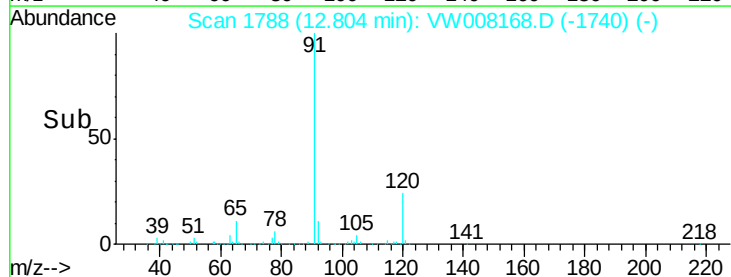
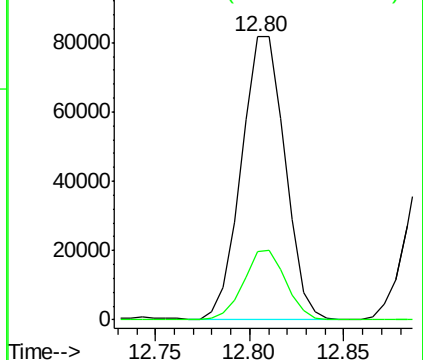
91 100

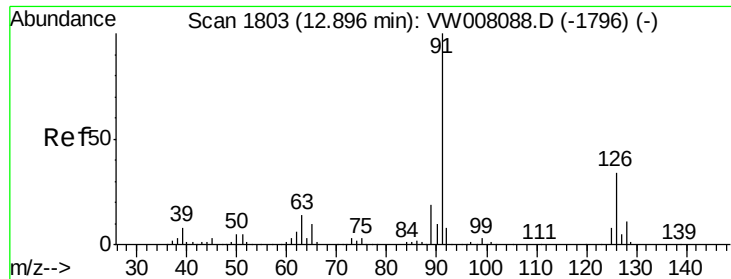
120 23.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





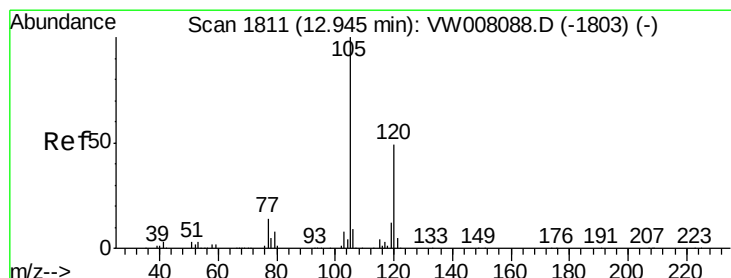
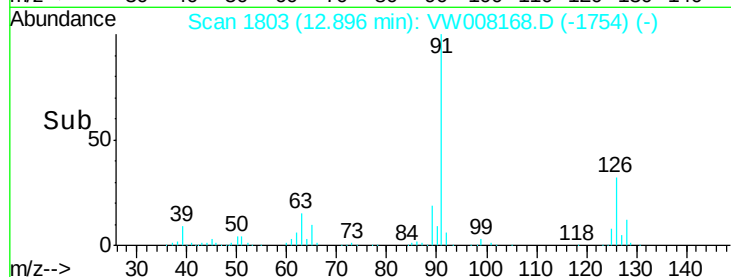
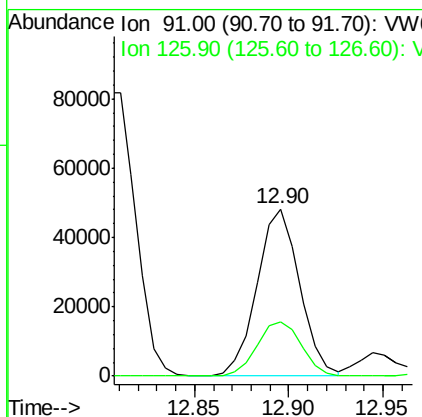
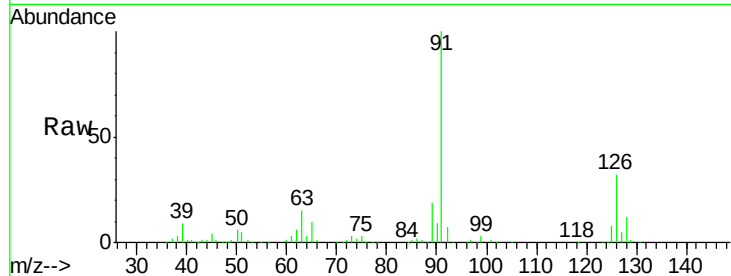
#79
 2-Chlorotoluene
 Concen: 19.089 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion: 91 Resp: 75769
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.8 50.3

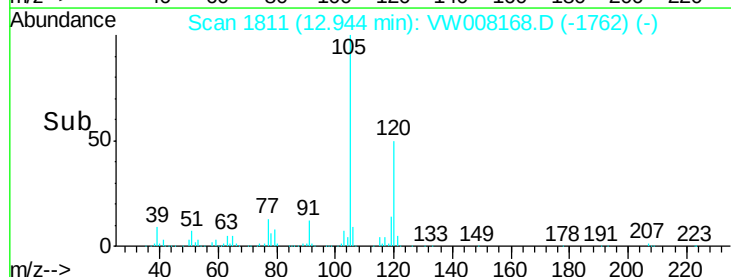
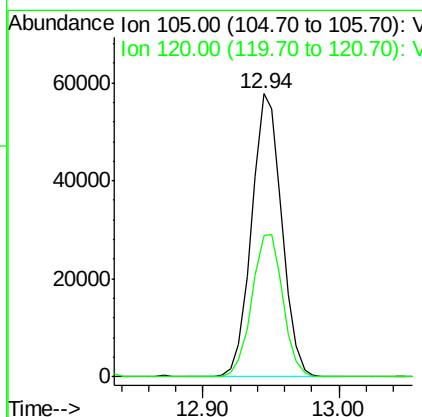
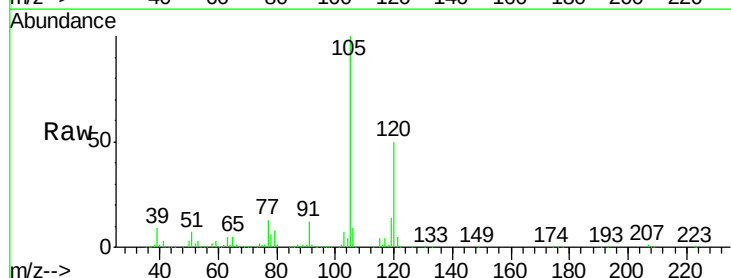
Manual Integrations
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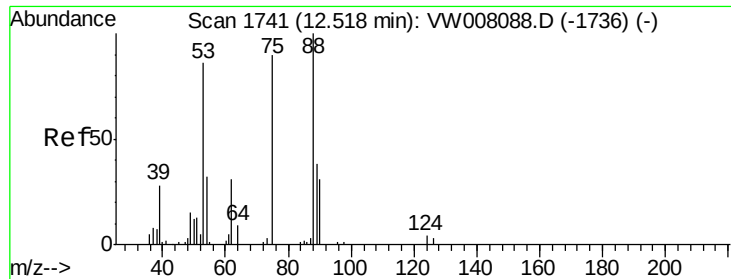
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.822 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion:105 Resp: 89812
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.7 74.1





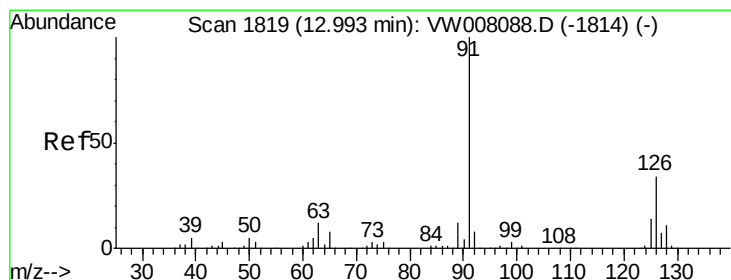
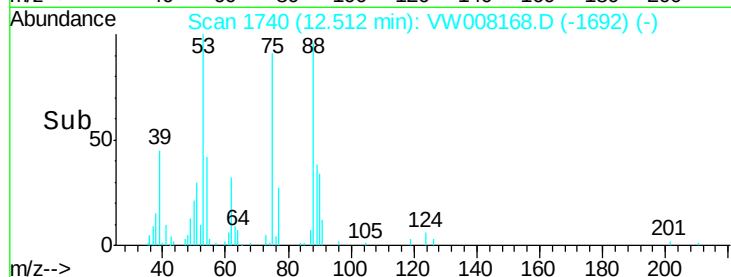
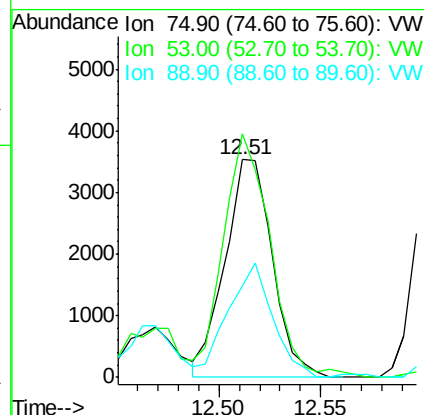
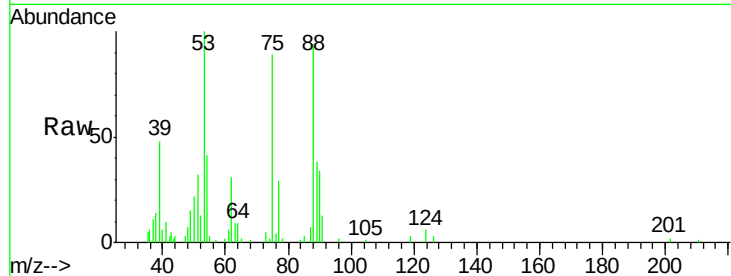
#81
trans-1,4-Dichloro-2-butene
Concen: 19.618 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.6	78.8	118.2
89	50.0	35.4	53.2

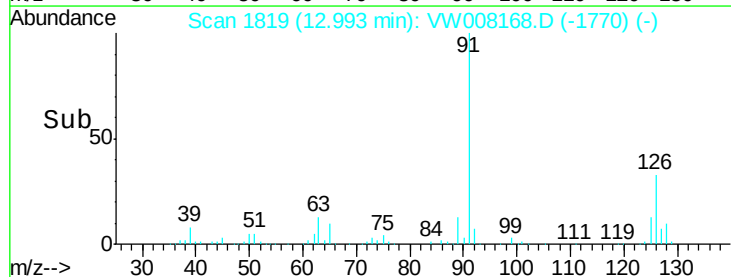
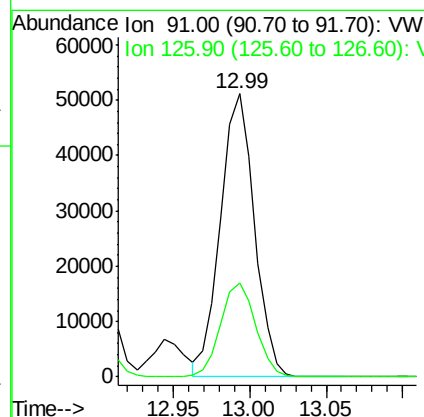
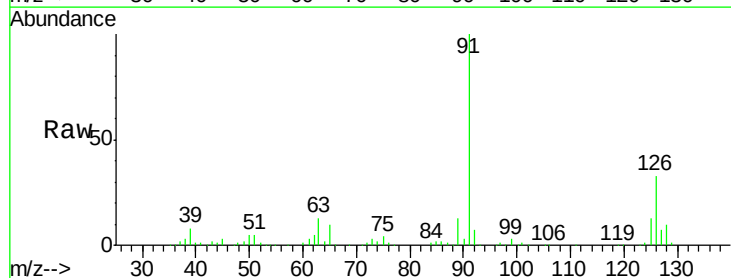
Manual Integrations
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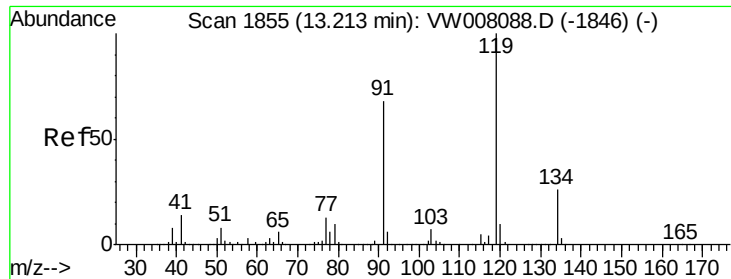
MMDadoda
1/11/2019 2:28:05 PM



#82
4-Chlorotoluene
Concen: 18.919 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.5	49.5





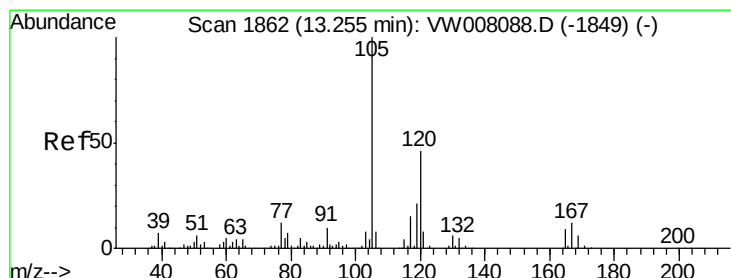
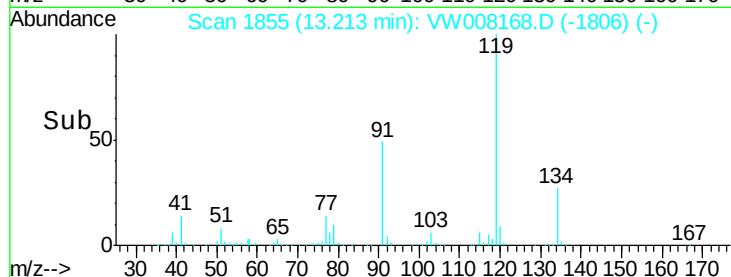
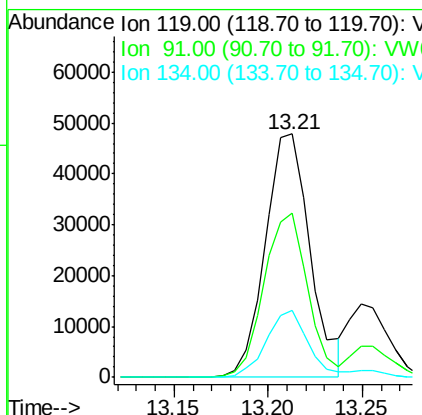
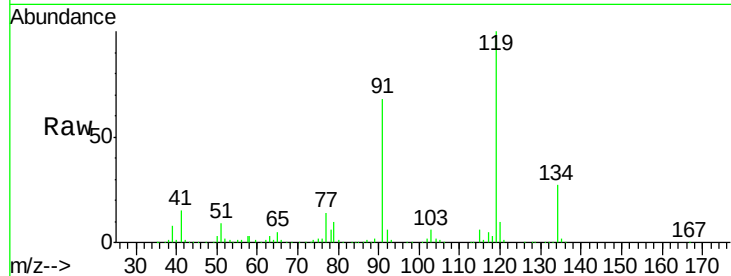
#83
tert-Butylbenzene
Concen: 18.814 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.9	101.6
134	25.9	13.6	40.8

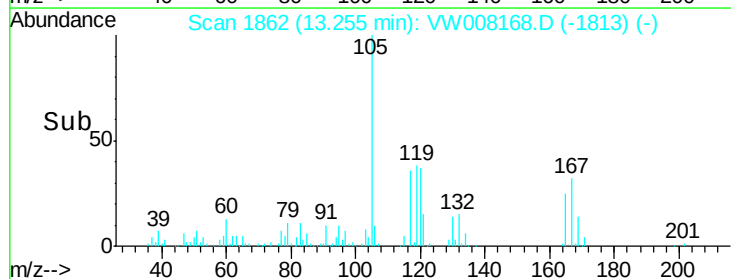
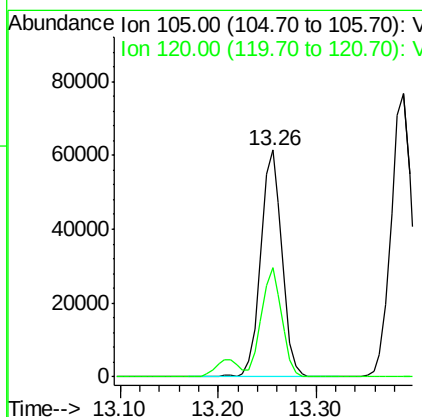
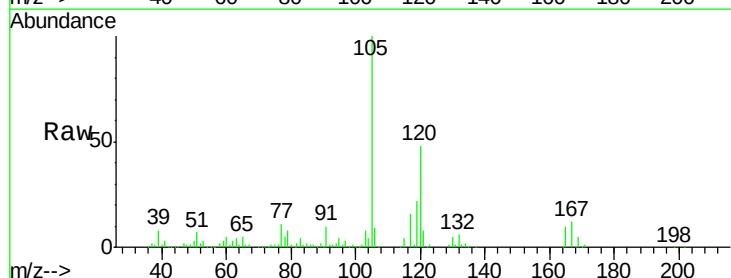
Manual Integrations
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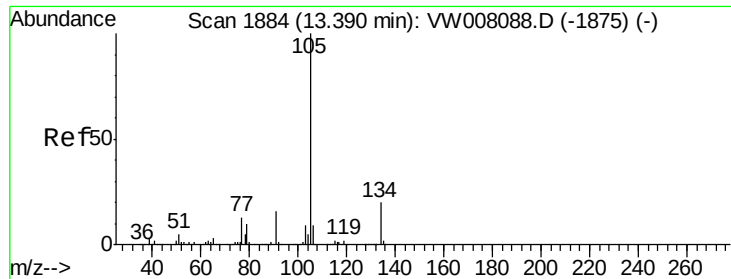
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#84
1,2,4-Trimethylbenzene
Concen: 18.939 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 18.663 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBS02

Tot Ion:105 Resp: 115403

Ion Ratio Lower Upper

105 100

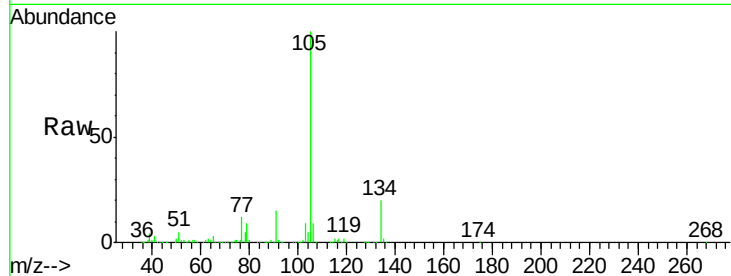
134 20.0 10.1 30.1

Manual Integrations

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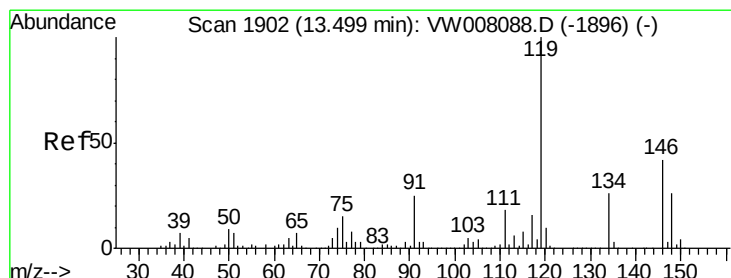
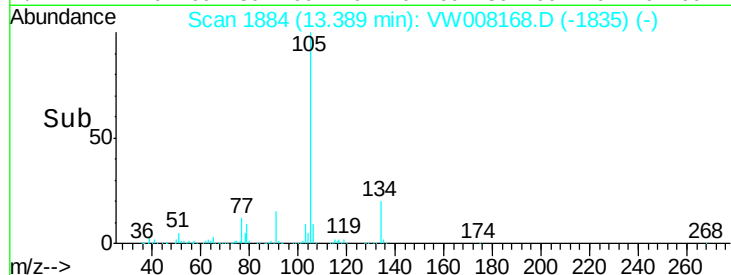
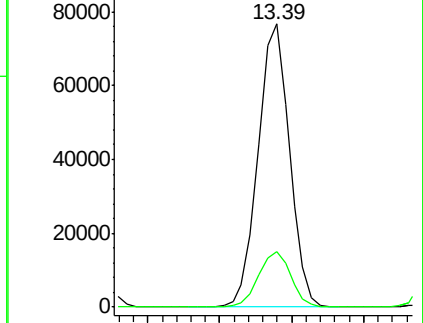
MMDadoda

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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: 18.268 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008168.D

Acq: 11 Jan 2019 01:34

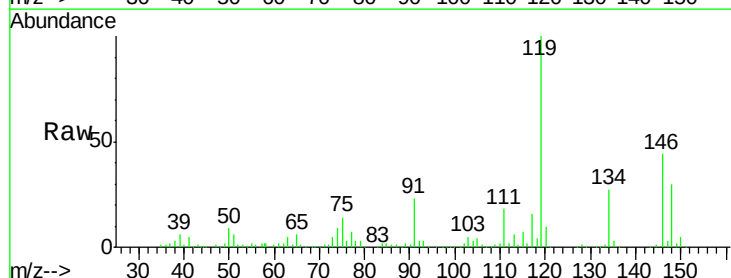
Tgt Ion:119 Resp: 97549

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

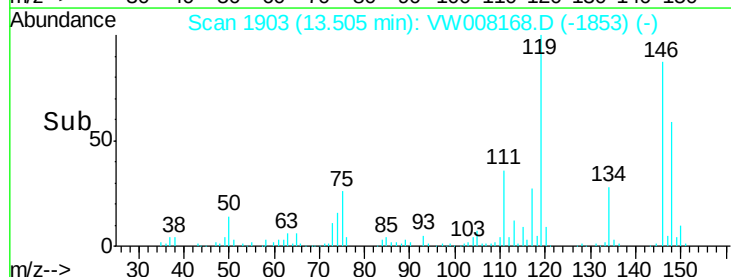
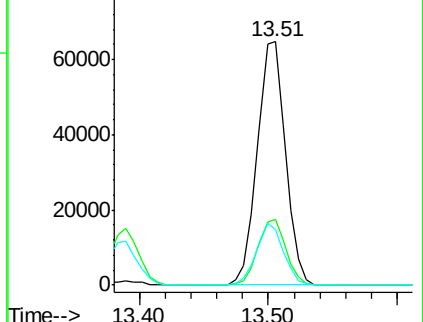
91 24.4 12.3 36.9

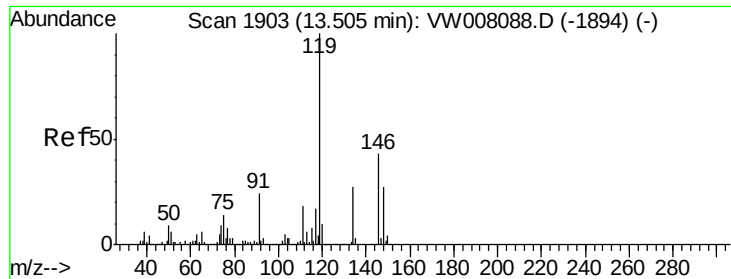


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





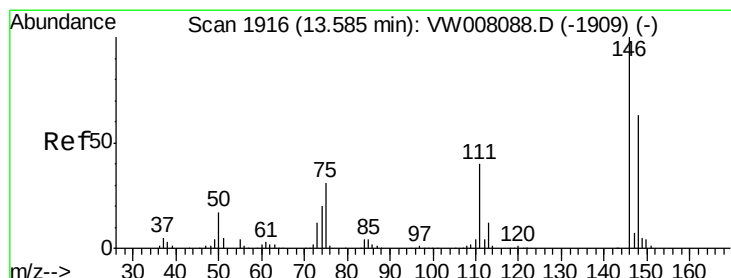
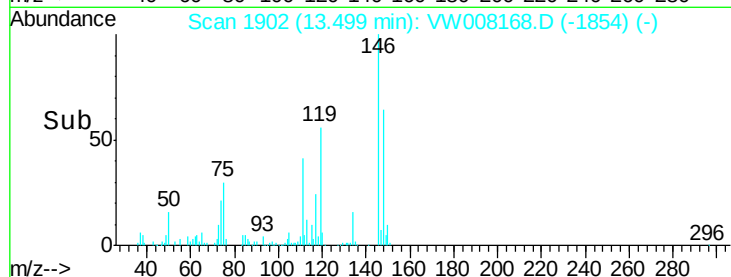
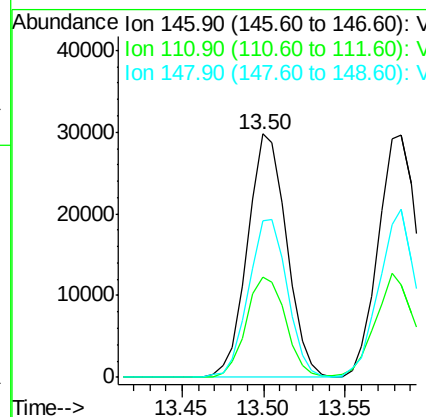
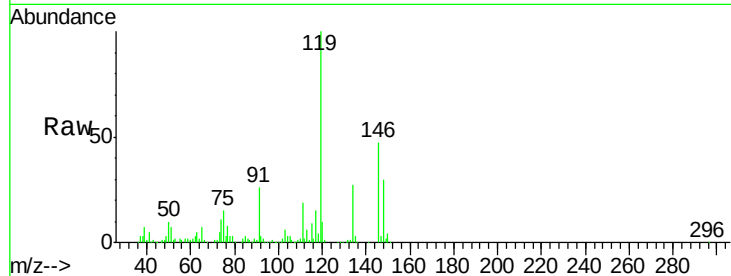
#87
 1,3-Dichlorobenzene
 Concen: 19.990 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.1
148	64.3	31.3	93.9

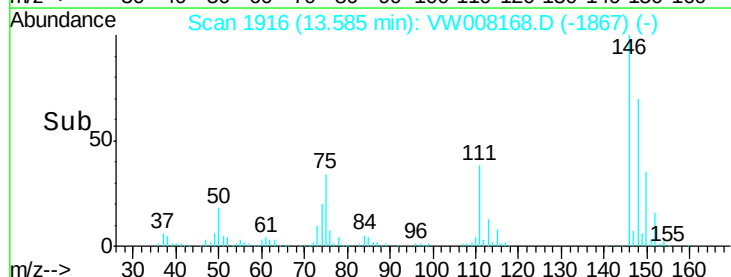
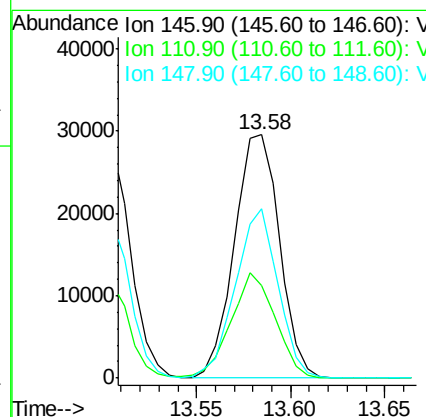
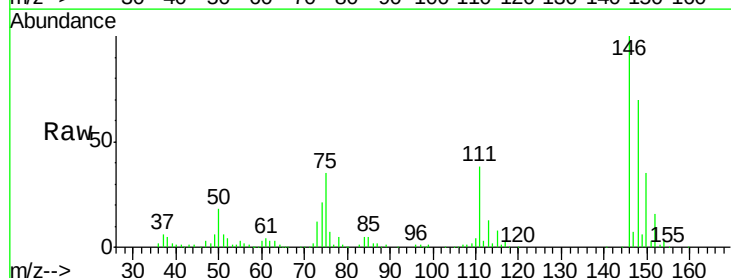
Manual Integrations
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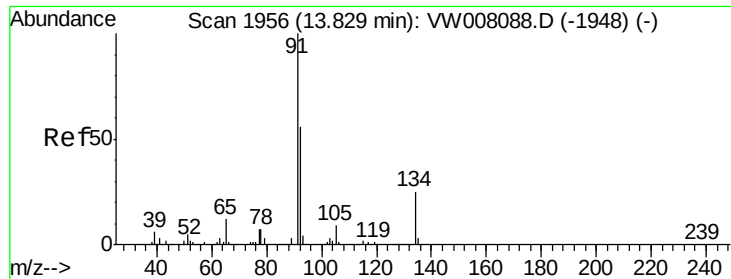
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#88
 1,4-Dichlorobenzene
 Concen: 19.738 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.5	61.5
148	65.8	31.6	94.8





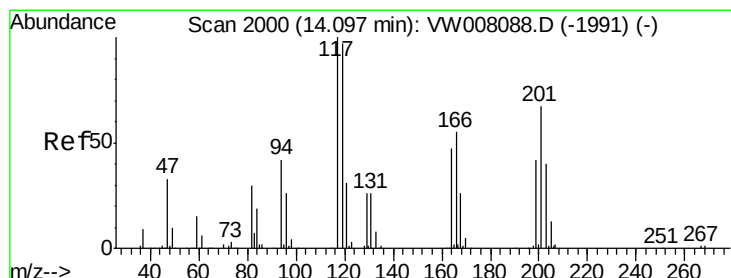
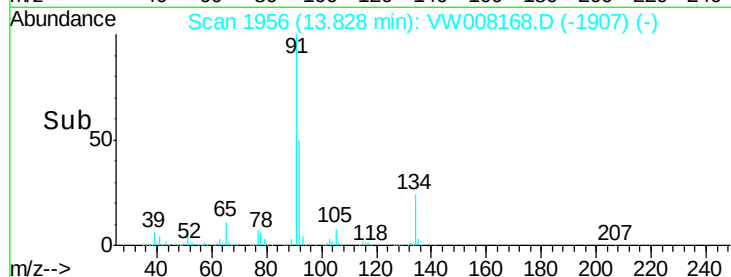
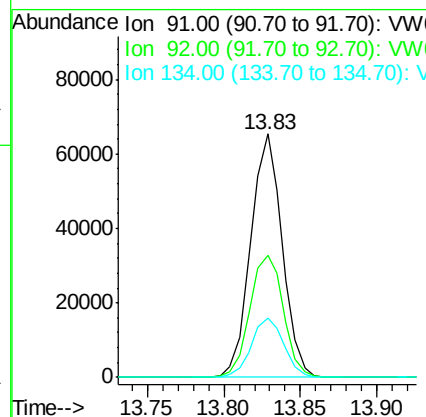
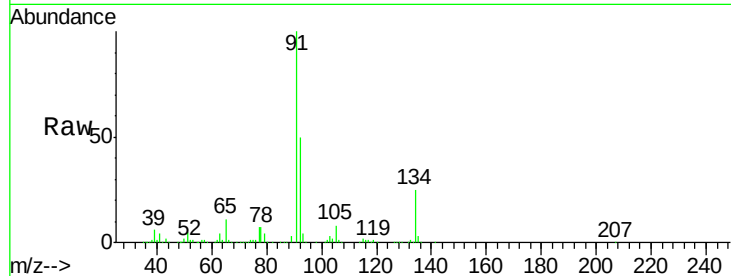
#89
n-Butylbenzene
Concen: 17.861 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.4	82.2
134	25.4	12.6	37.8

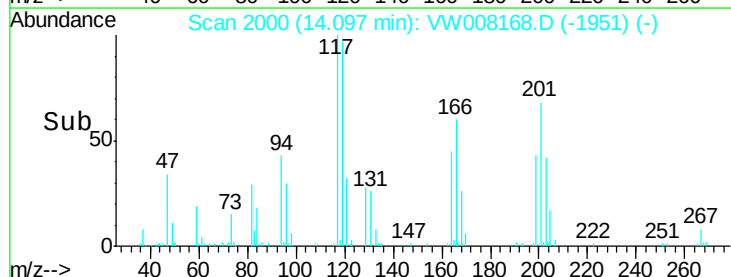
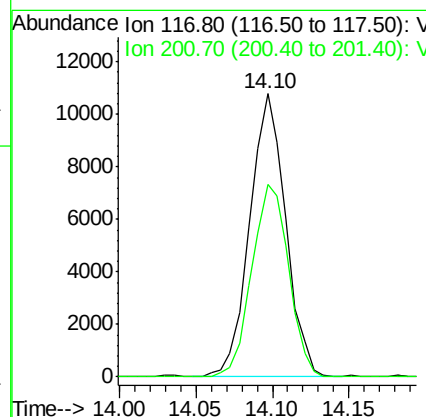
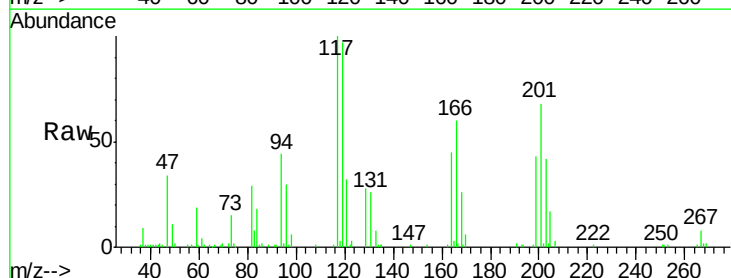
Manual Integrations
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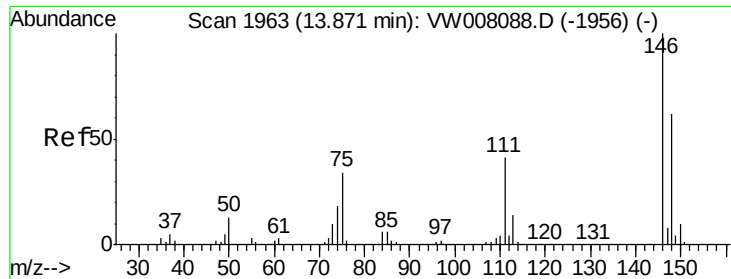
MMDadoda
1/11/2019 2:28:05 PM



#90
Hexachloroethane
Concen: 19.533 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	33.0	98.9





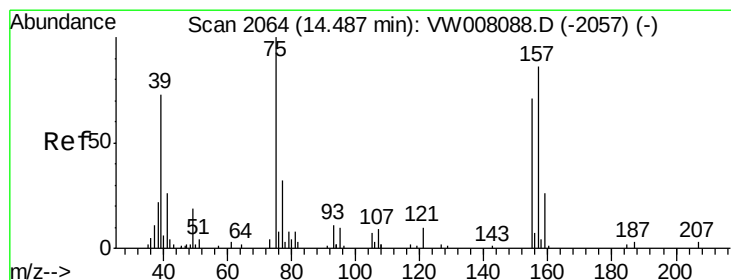
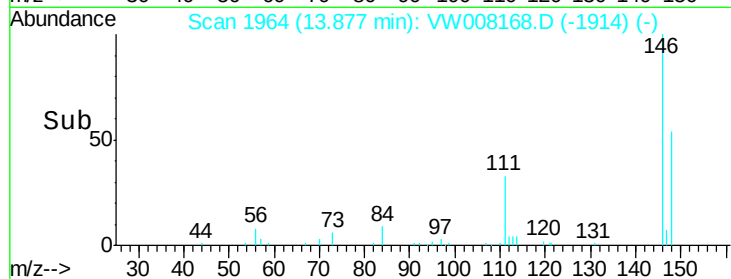
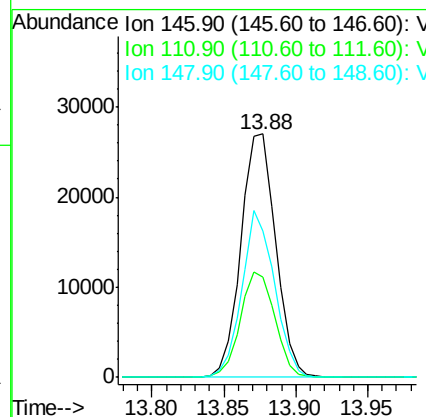
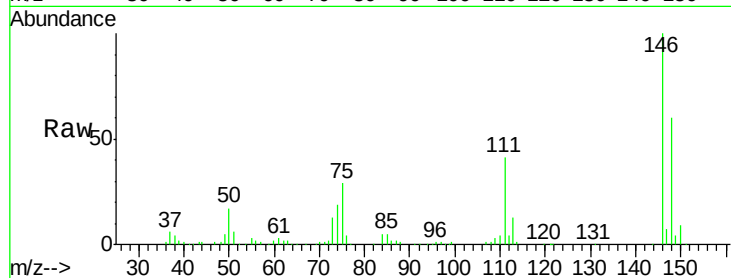
#91
 1,2-Dichlorobenzene
 Concen: 20.739 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.7
148	63.9	31.5	94.5

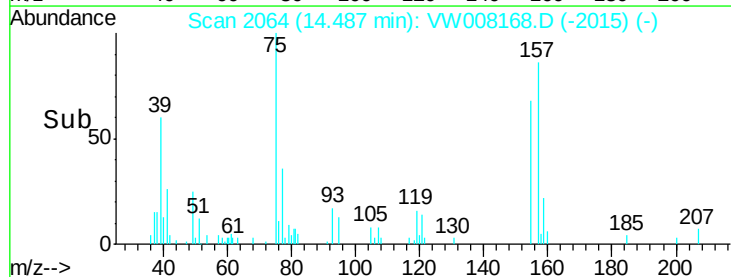
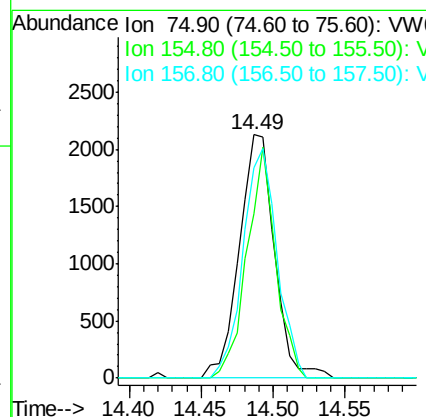
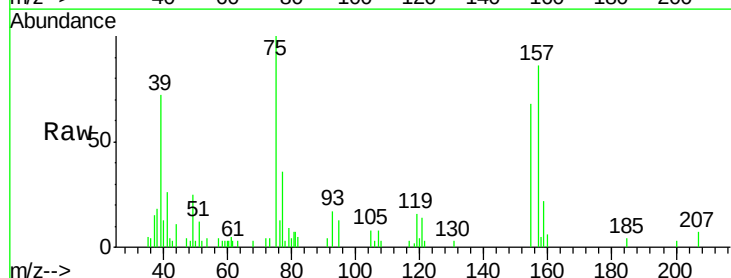
Manual Integrations
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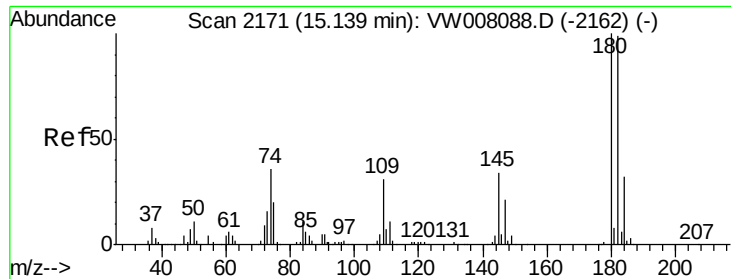
MMDadoda
 1/11/2019 2:28:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.209 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008168.D
 Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.6	115.7
157	90.7	47.5	142.6





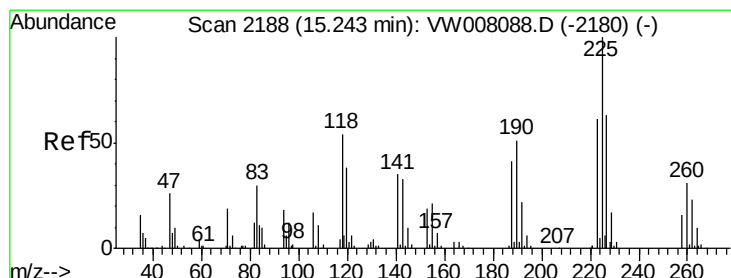
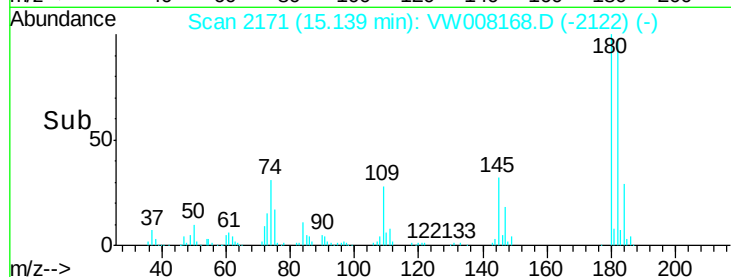
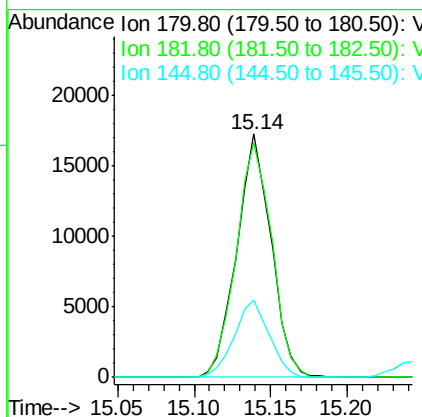
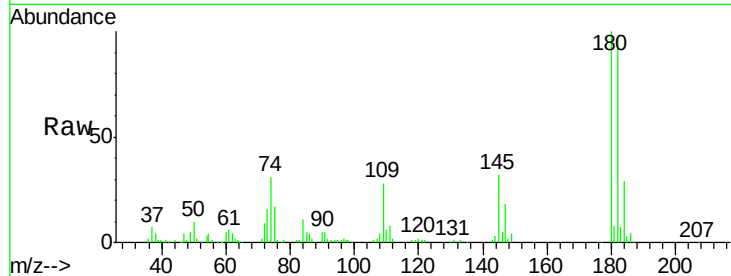
#93
1,2,4-Trichlorobenzene
Concen: 18.489 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	48.6	145.9
145	32.4	16.6	49.7

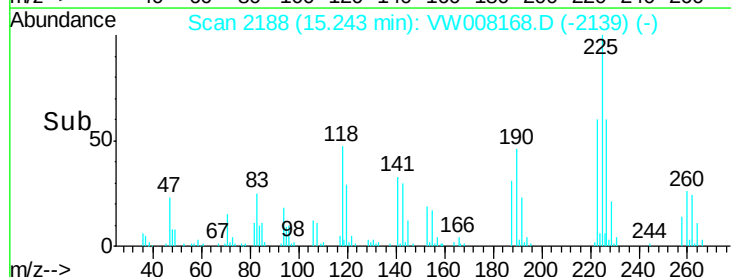
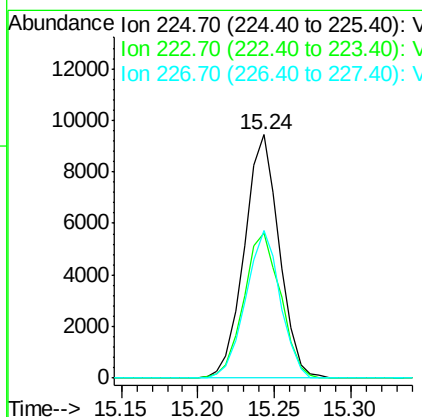
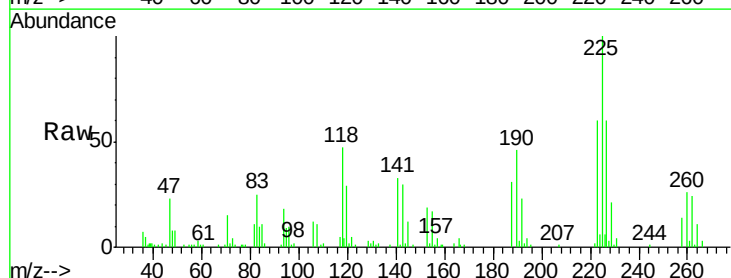
Manual Integrations
APPROVED

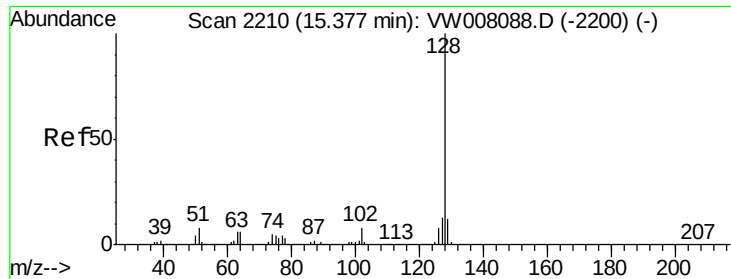
MMDadoda
1/11/2019 2:28:05 PM



#94
Hexachlorobutadiene
Concen: 19.243 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.3
227	59.8	32.0	96.2





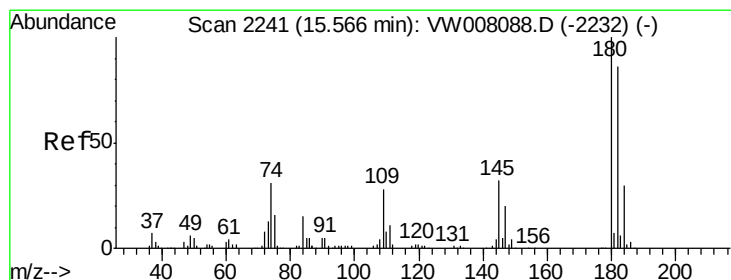
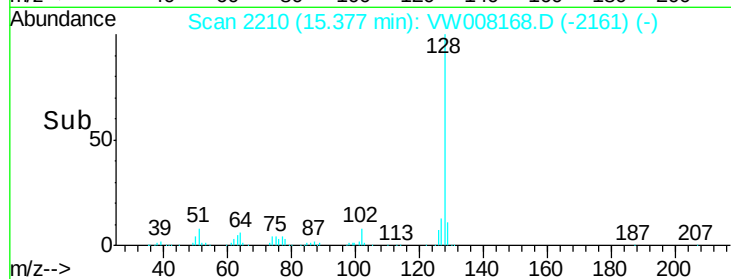
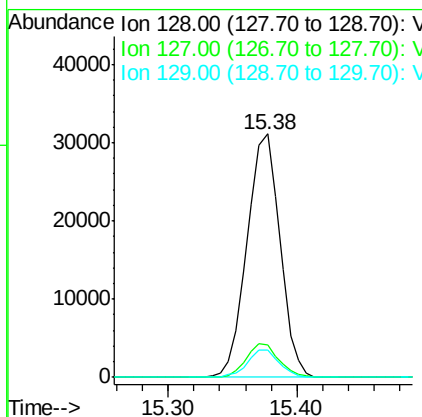
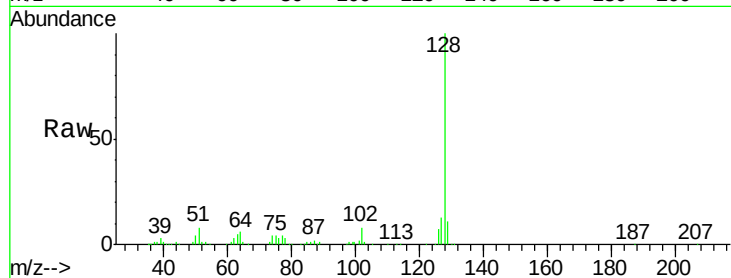
#95
Naphthalene
Concen: 20.286 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	10.9	9.0	13.6

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.158 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008168.D
Acq: 11 Jan 2019 01:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.5	139.3
145	33.7	17.4	52.2

