

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008169.D
 Acq On : 11 Jan 2019 02:00
 Operator : SY/AP
 Sample : VW0110SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:28:09 PM

Quant Time: Jan 11 07:12:28 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	87423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69331	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56006	57.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.00%	
35) Dibromofluoromethane	7.88	113	52361	57.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.32%	
50) Toluene-d8	10.32	98	213633	56.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.62	95	75259	55.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	13362	18.728	ug/l	90
3) Chloromethane	2.21	50	17881	19.317	ug/l	100
4) Vinyl Chloride	2.37	62	24329	20.138	ug/l	90
5) Bromomethane	2.78	94	21584	23.850	ug/l	93
6) Chloroethane	2.93	64	16088	17.697	ug/l	90
7) Trichlorofluoromethane	3.26	101	17124	17.435	ug/l	99
8) Diethyl Ether	3.68	74	12564	22.628	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18433	18.903	ug/l	95
10) Methyl Iodide	4.26	142	30090	21.172	ug/l	99
11) Tert butyl alcohol	5.20	59	7935m	117.393	ug/l	
12) 1,1-Dichloroethene	4.04	96	19844	20.727	ug/l	90
13) Acrolein	3.89	56	5874	88.832	ug/l	94
14) Allyl chloride	4.66	41	34678	19.950	ug/l	98
15) Acrylonitrile	5.37	53	25902	122.533	ug/l	99
16) Acetone	4.14	43	20934	106.379	ug/l	90
17) Carbon Disulfide	4.37	76	59017	19.733	ug/l	98
18) Methyl Acetate	4.67	43	15055	24.243	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	34568	22.210	ug/l	97
20) Methylene Chloride	4.91	84	25959	24.369	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	21763	20.918	ug/l	95
22) Diisopropyl ether	6.31	45	71229	21.486	ug/l	99
23) Vinyl Acetate	6.26	43	193313	111.031	ug/l	98
24) 1,1-Dichloroethane	6.21	63	41123	21.290	ug/l	96
25) 2-Butanone	7.18	43	32124	117.507	ug/l	96
26) 2,2-Dichloropropane	7.16	77	24525	18.739	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	24696	21.756	ug/l	95
28) Bromochloromethane	7.51	49	16356	21.408	ug/l	95
29) Tetrahydrofuran	7.53	42	22751	124.586	ug/l	98
30) Chloroform	7.67	83	40593	22.079	ug/l	96
31) Cyclohexane	7.95	56	38039	18.396	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	32952	20.598	ug/l	98
36) 1,1-Dichloropropene	8.08	75	31519	19.652	ug/l	99
37) Ethyl Acetate	7.25	43	14886	23.167	ug/l	99
38) Carbon Tetrachloride	8.07	117	29119	19.836	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37270	18.327	ug/l	97
40) Benzene	8.32	78	90205	20.736	ug/l	99
41) Methacrylonitrile	7.48	41	9622	23.706	ug/l	96
42) 1,2-Dichloroethane	8.40	62	26650	21.782	ug/l	98
43) Isopropyl Acetate	8.43	43	29106	22.656	ug/l	98
44) Trichloroethene	9.09	130	23161	20.799	ug/l	86
45) 1,2-Dichloropropane	9.37	63	22500	20.860	ug/l	94
46) Dibromomethane	9.46	93	12002	22.657	ug/l	96
47) Bromodichloromethane	9.64	83	28992	21.554	ug/l #	99
48) Methyl methacrylate	9.44	41	13388	22.085	ug/l	94
49) 1,4-Dioxane	9.46	88	4247	498.541	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	72811	117.085	ug/l	98
52) Toluene	10.39	92	58182	20.943	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	29055	20.767	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	33802	20.374	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	17132	23.035	ug/l	92
56) Ethyl methacrylate	10.65	69	20975	22.773	ug/l	99
57) 1,3-Dichloropropane	10.93	76	30038	22.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	57422	120.694	ug/l	98
59) 2-Hexanone	10.97	43	47433	112.793	ug/l	98
60) Dibromochloromethane	11.13	129	18492	22.643	ug/l	99
61) 1,2-Dibromoethane	11.24	107	16333	23.145	ug/l	99
64) Tetrachloroethene	10.86	164	20218	21.661	ug/l	88
65) Chlorobenzene	11.66	112	62486	20.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	20893	21.141	ug/l	98
67) Ethyl Benzene	11.73	91	109155	19.634	ug/l	95
68) m/p-Xylenes	11.84	106	84430	39.788	ug/l	97
69) o-Xylene	12.17	106	39598	20.151	ug/l	97
70) Styrene	12.18	104	63359	20.585	ug/l	97
71) Bromoform	12.35	173	10150	22.948	ug/l #	98
73) Isopropylbenzene	12.47	105	106459	19.558	ug/l	99
74) N-amyl acetate	12.27	43	26783	22.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	19719	22.633	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14565m	23.045	ug/l	
77) Bromobenzene	12.75	156	23470	20.407	ug/l	95
78) n-propylbenzene	12.81	91	130526	19.571	ug/l	99
79) 2-Chlorotoluene	12.90	91	74281	19.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	90514	20.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5663	20.865	ug/l	95
82) 4-Chlorotoluene	12.99	91	78275	19.974	ug/l	99
83) tert-Butylbenzene	13.21	119	79800	20.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	91620	19.860	ug/l	98
85) sec-Butylbenzene	13.39	105	114057	19.676	ug/l	100
86) p-Isopropyltoluene	13.50	119	98557	19.689	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	48754	20.897	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	47962	20.490	ug/l	95
89) n-Butylbenzene	13.83	91	94529	19.281	ug/l	99
90) Hexachloroethane	14.10	117	17699	20.934	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	43781	21.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3445	24.570	ug/l	98

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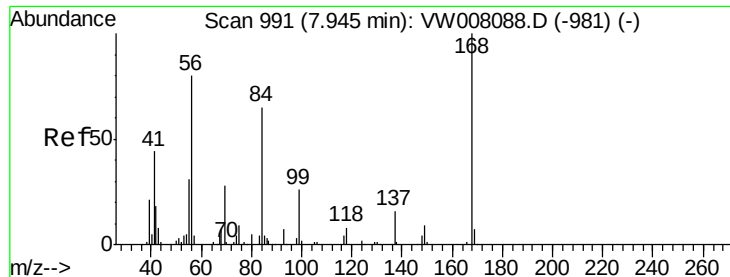
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27891	20.488	ug/l	97
94) Hexachlorobutadiene	15.24	225	14981	20.561	ug/l	97
95) Naphthalene	15.38	128	54076	21.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24683	21.270	ug/l	96

(#) = 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: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion:168 Resp: 87423

Ion Ratio Lower Upper

168 100

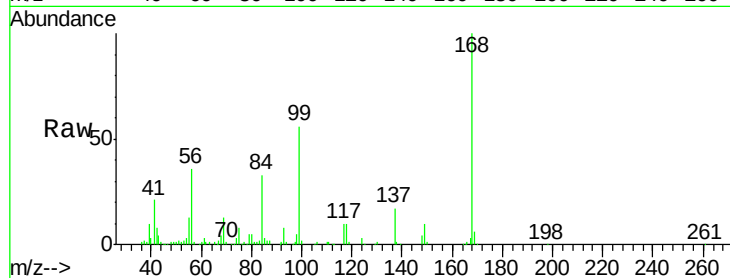
99 55.2 52.6 78.8

Manual Integrations

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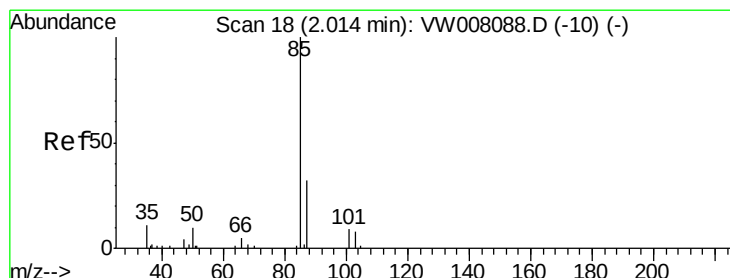
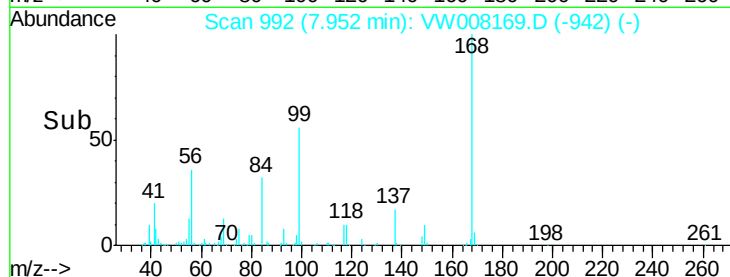
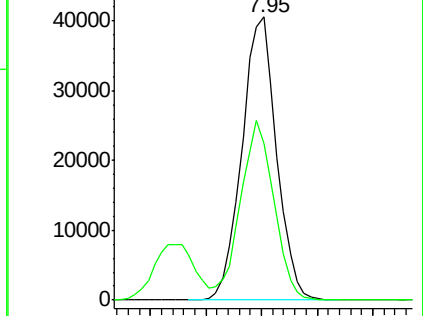
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.728 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008169.D

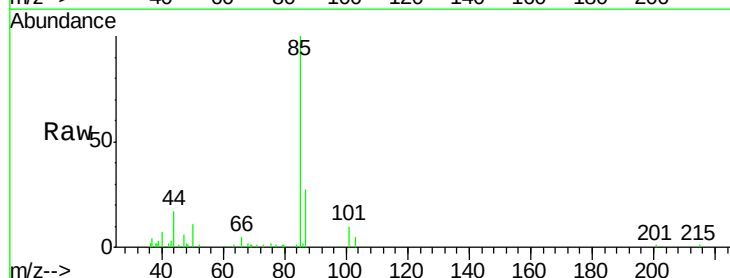
Acq: 11 Jan 2019 02:00

Tgt Ion: 85 Resp: 13362

Ion Ratio Lower Upper

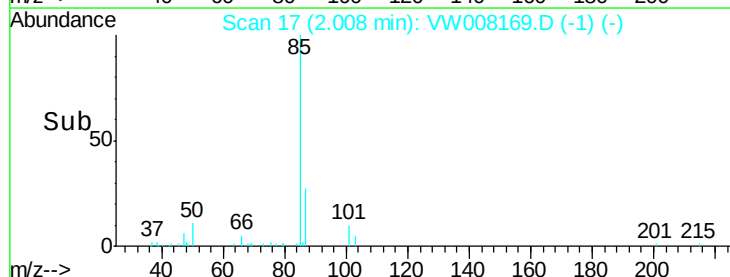
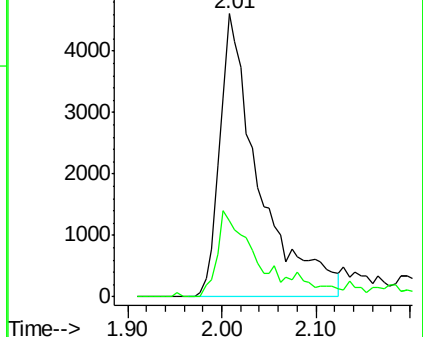
85 100

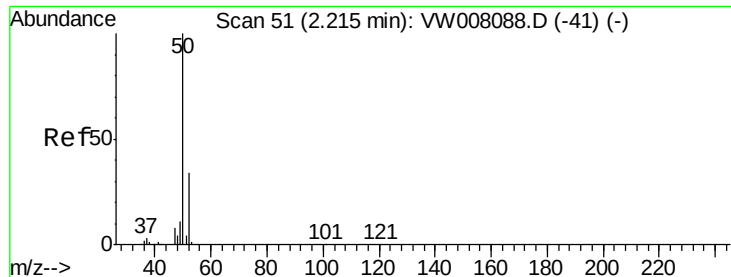
87 26.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.317 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 50 Resp: 17881

Ion Ratio Lower Upper

50 100

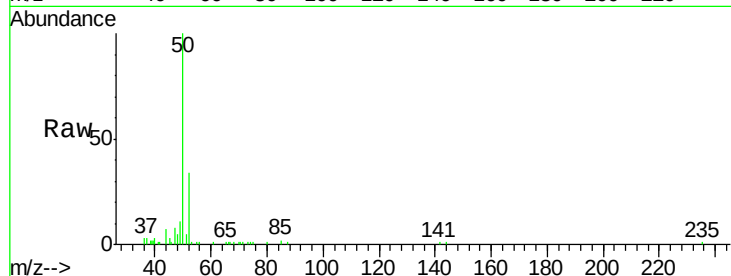
52 33.6 26.8 40.2

Manual Integrations

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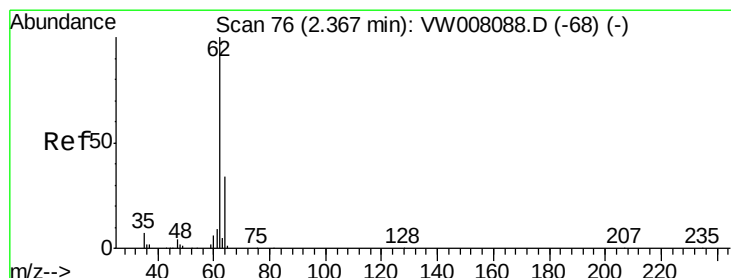
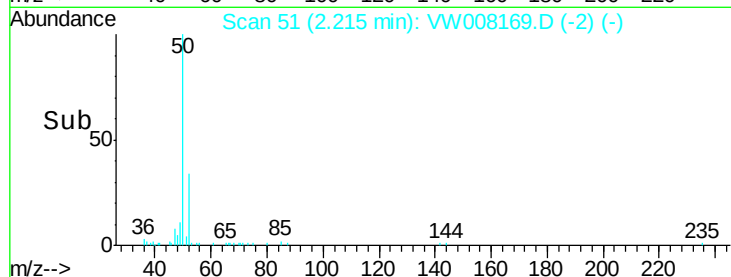
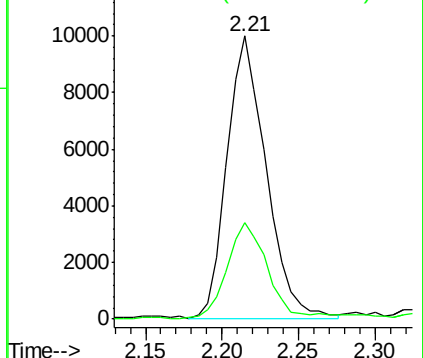
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.138 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008169.D

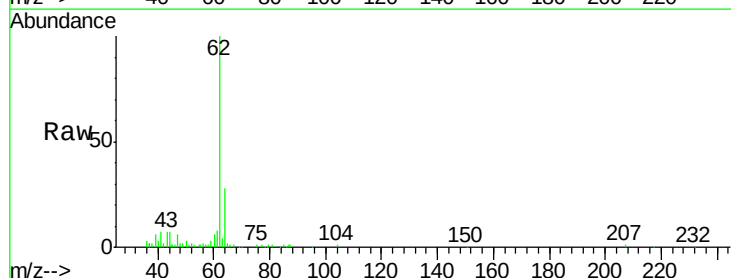
Acq: 11 Jan 2019 02:00

Tgt Ion: 62 Resp: 24329

Ion Ratio Lower Upper

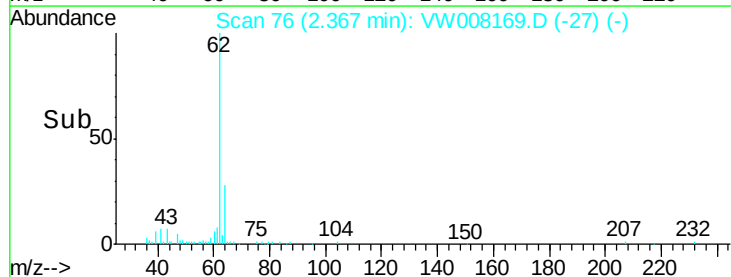
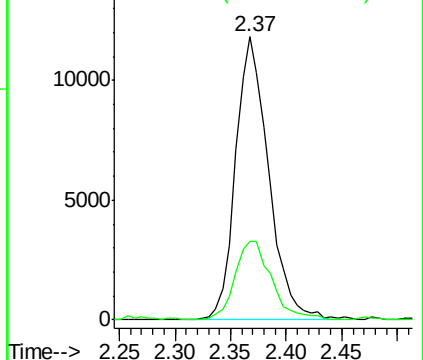
62 100

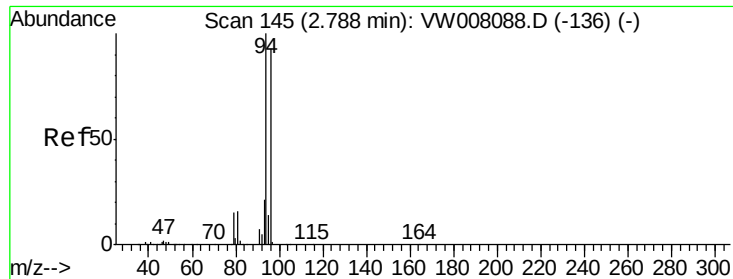
64 28.0 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.850 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 94 Resp: 21584

Ion Ratio Lower Upper

94 100

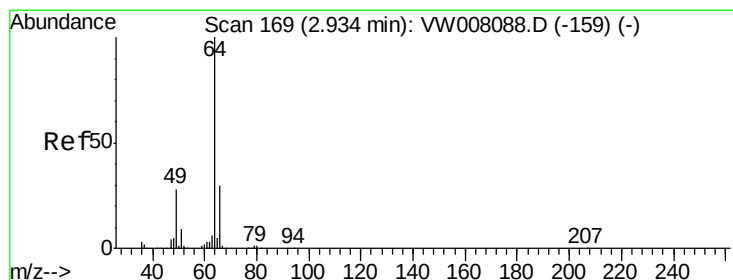
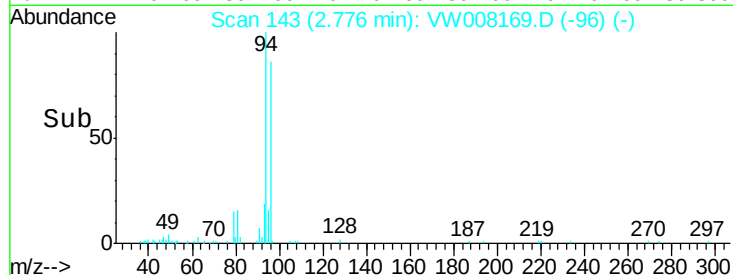
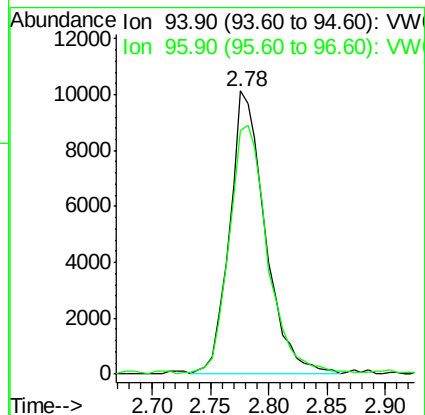
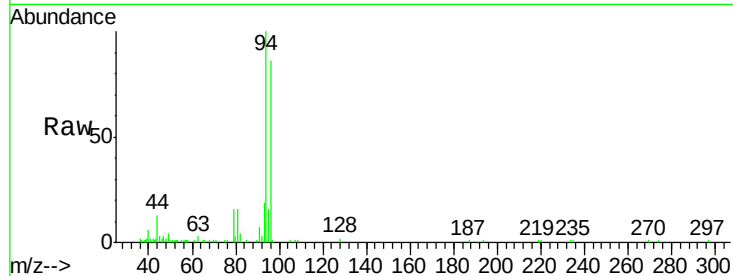
96 85.5 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 17.697 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008169.D

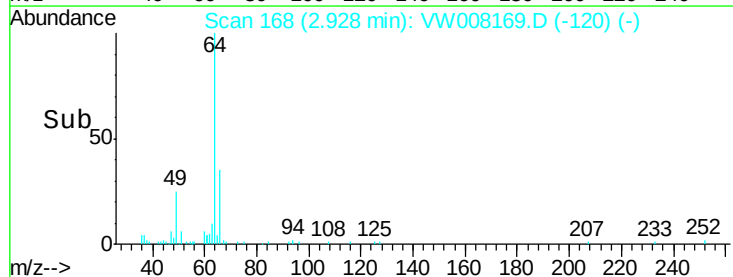
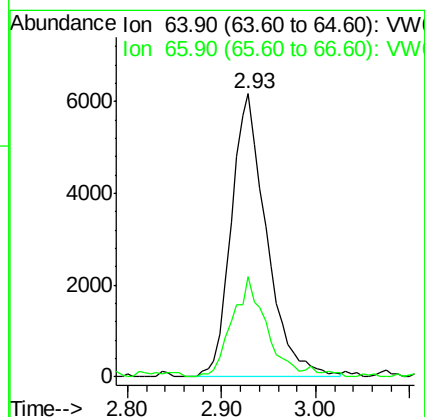
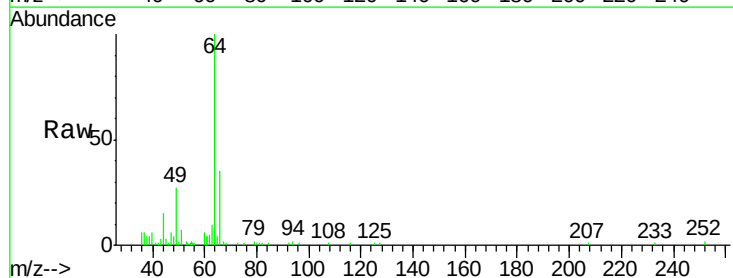
Acq: 11 Jan 2019 02:00

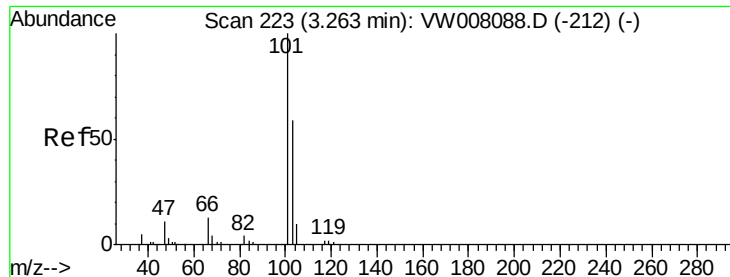
Tgt Ion: 64 Resp: 16088

Ion Ratio Lower Upper

64 100

66 35.4 24.2 36.2





#7

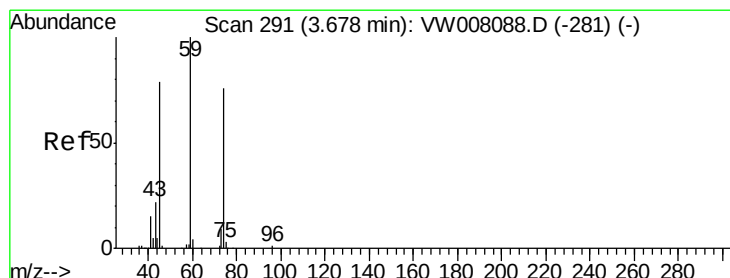
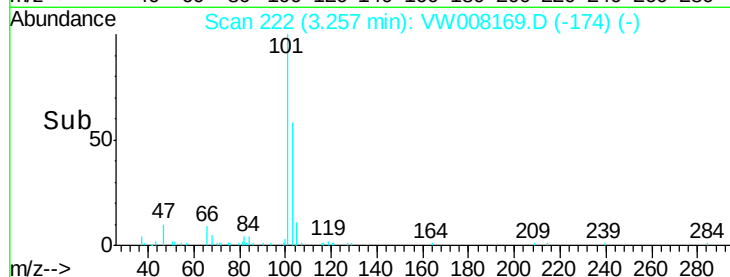
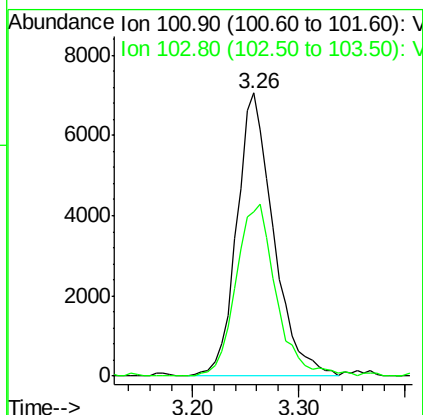
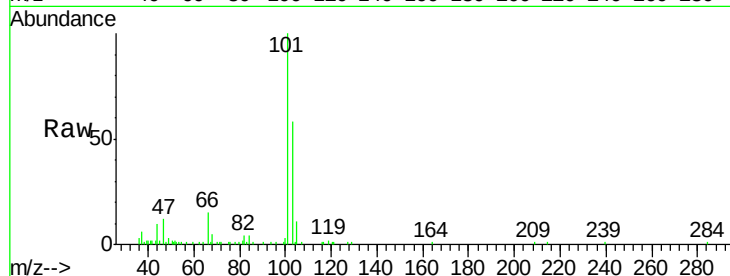
Trichlorofluoromethane
 Concen: 17.435 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
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 VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.1	47.0	70.6

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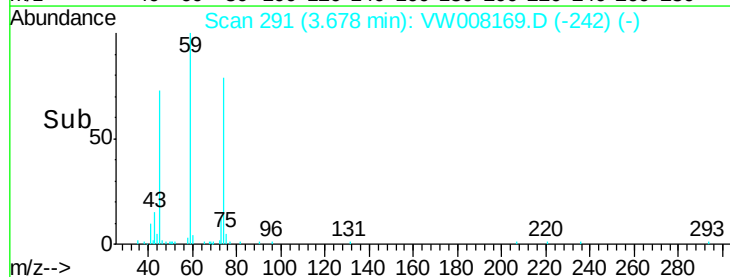
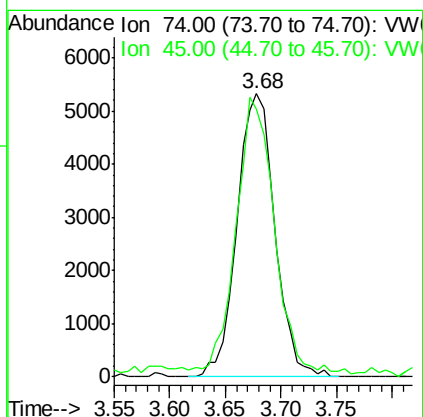
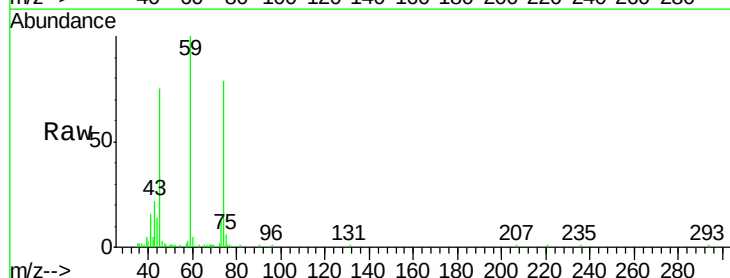
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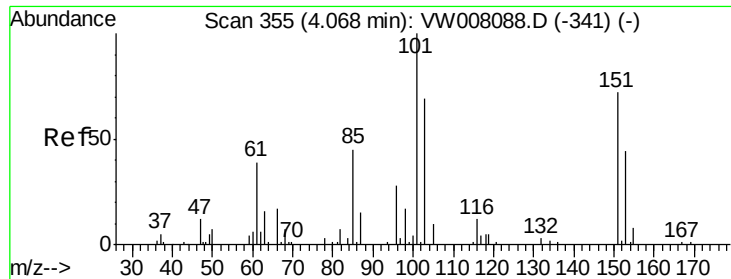


#8

Diethyl Ether
 Concen: 22.628 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.903 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

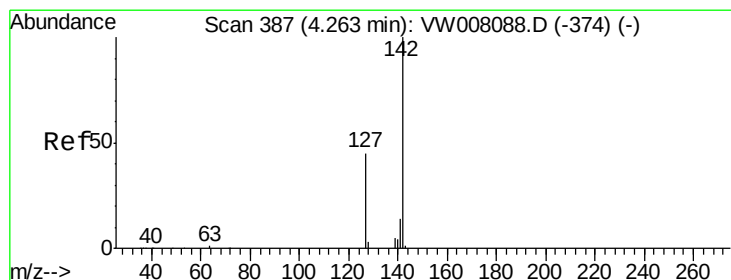
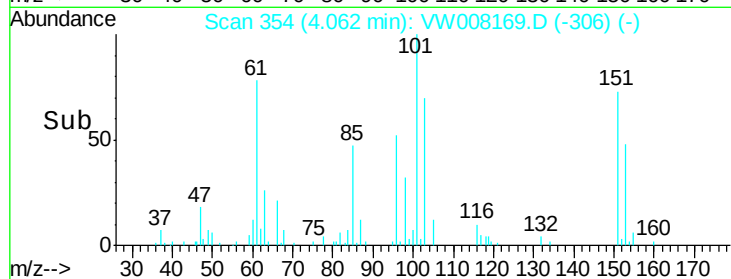
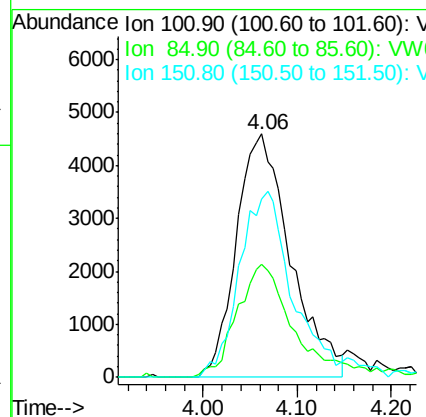
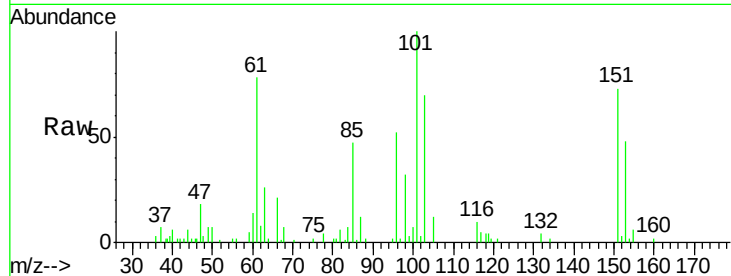
ClientSampleId :

VW0110SBSD02

Tot Ion:	101	Resp:	18433
Ion Ratio	Lower	Upper	
101	100		
85	48.3	35.9	53.9
151	74.3	55.8	83.8

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#10

Methyl Iodide

Concen: 21.172 ug/l

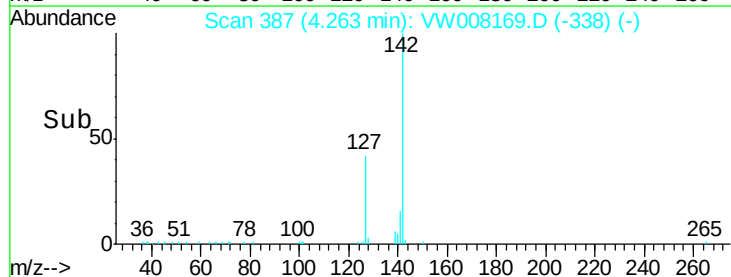
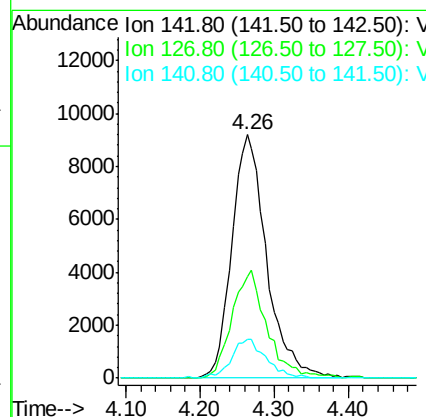
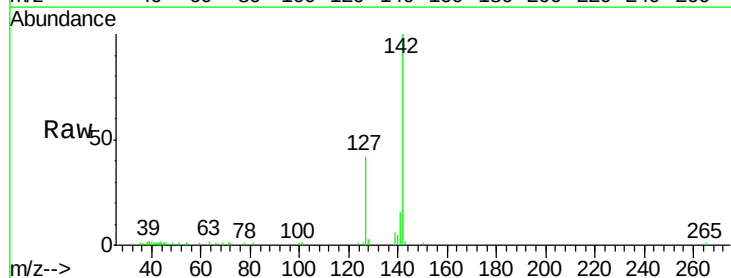
RT: 4.26 min Scan# 387

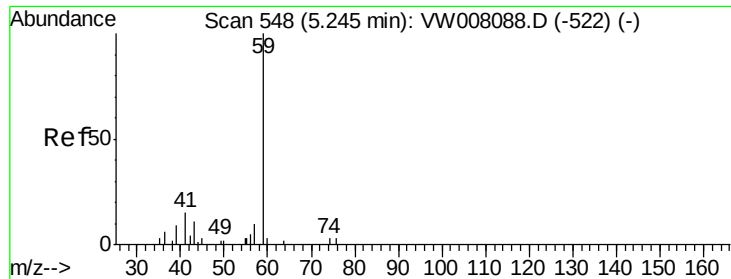
Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	142	Resp:	30090
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.0	52.4
141	15.8	11.8	17.6





#11

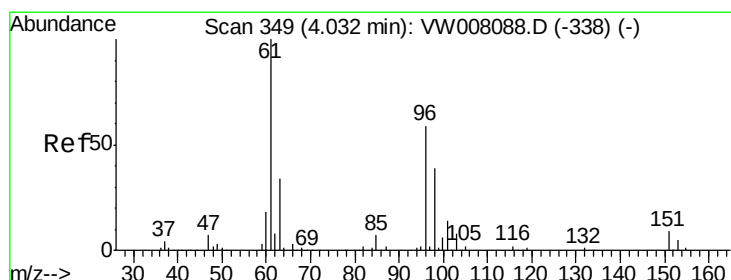
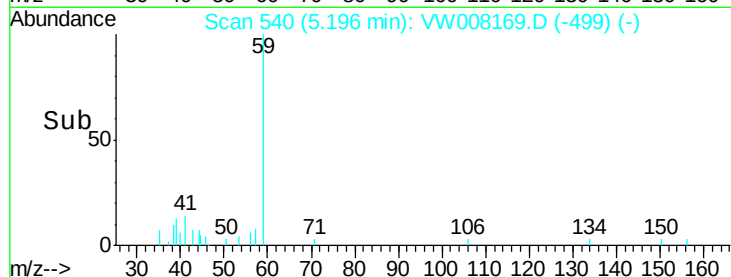
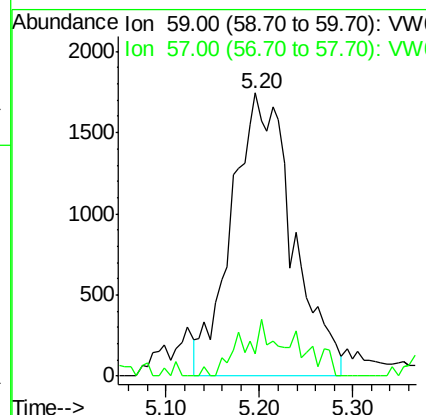
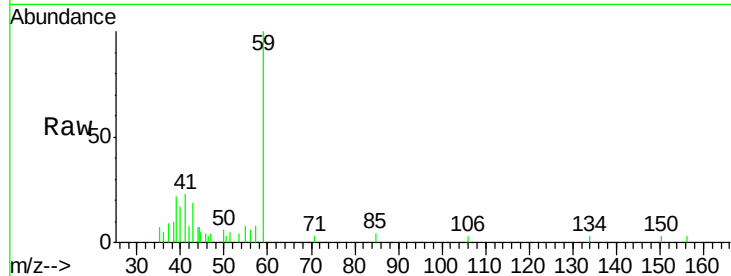
Tert butyl alcohol
Concen: 117.393 ug/l m
RT: 5.20 min Scan# 540
Delta R.T. -0.05 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	7935		
57	3.6		0.0	0.0#

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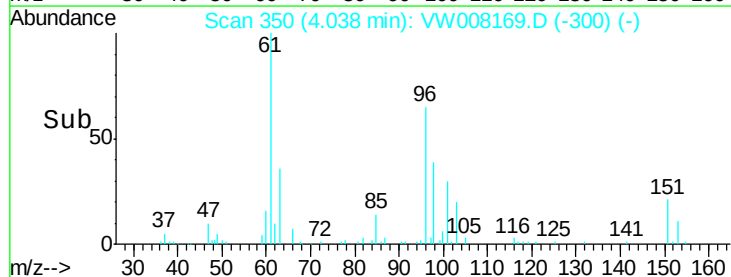
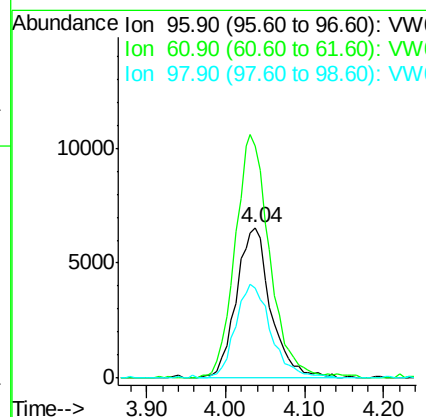
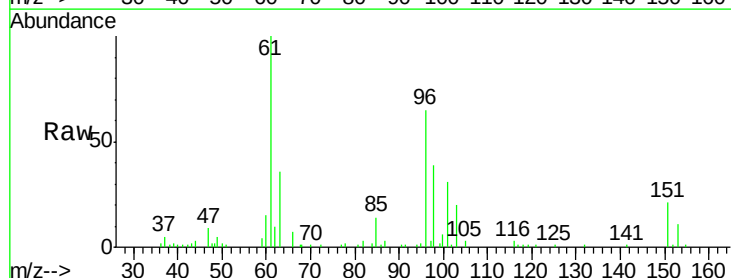
MMDadoda
1/11/2019 2:28:09 PM

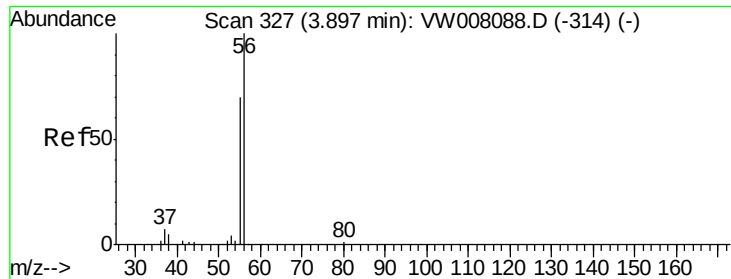


#12

1,1-Dichloroethene
Concen: 20.727 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	19844		
61	154.4		135.4	203.2
98	60.1		52.5	78.7





#13

Acrolein

Concen: 88.832 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 56 Resp: 5874

Ion Ratio Lower Upper

56 100

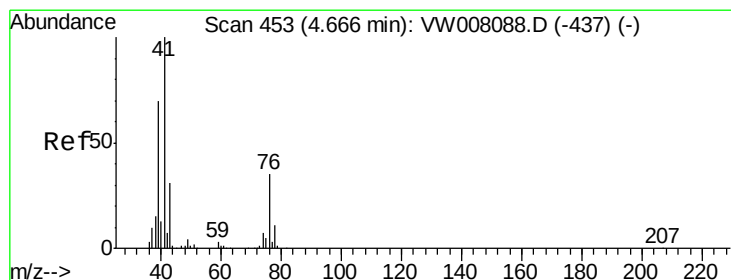
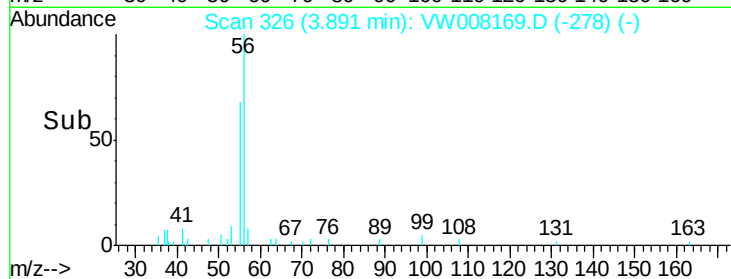
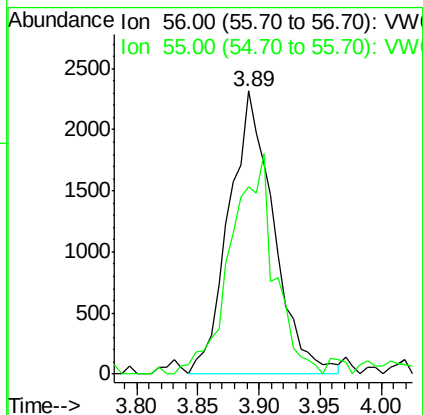
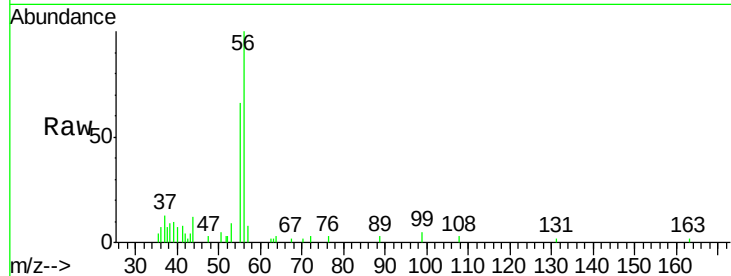
55 76.0 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.950 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

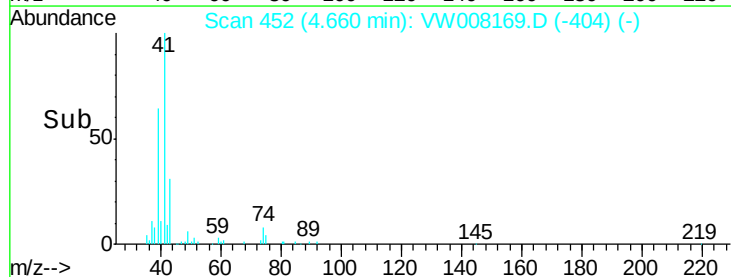
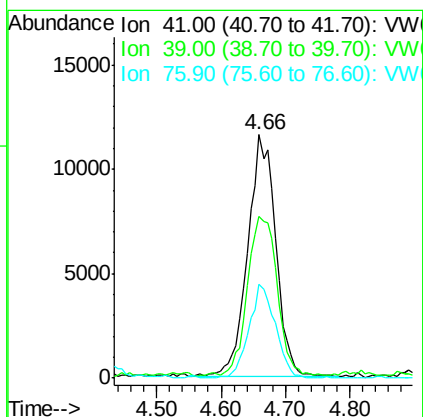
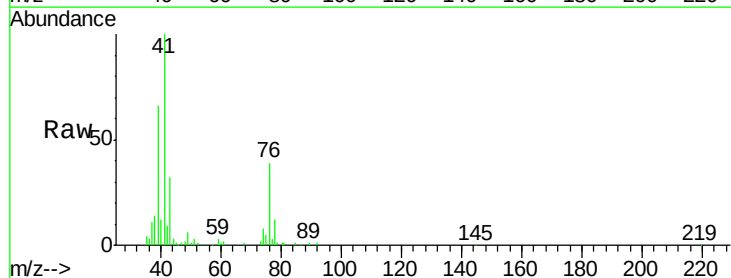
Tgt Ion: 41 Resp: 34678

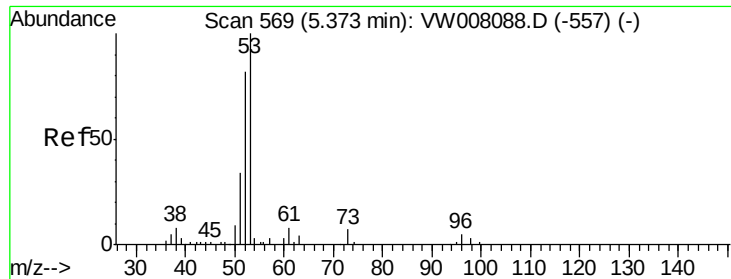
Ion Ratio Lower Upper

41 100

39 68.7 53.8 80.8

76 36.0 27.6 41.4





#15

Acrylonitrile

Concen: 122.533 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

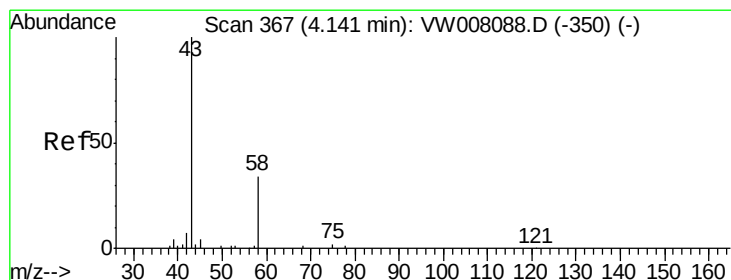
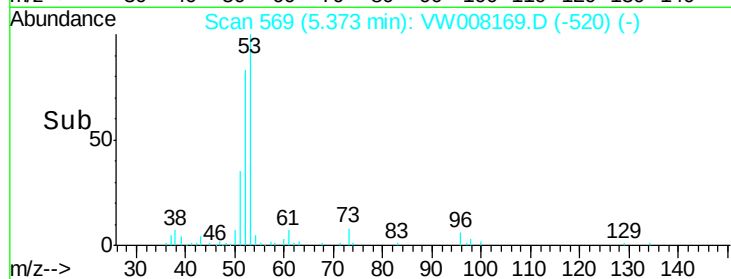
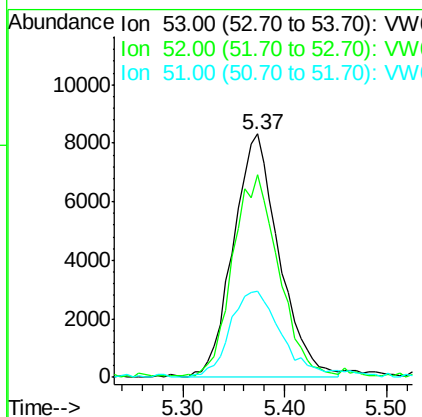
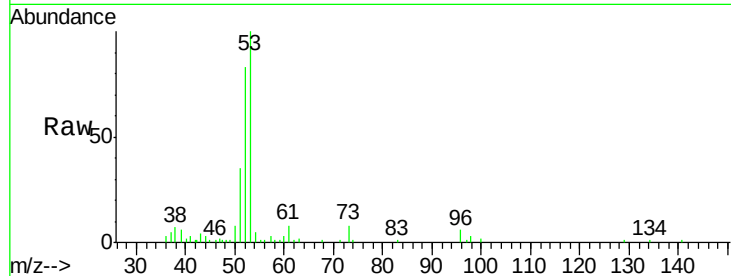
ClientSampleId :

VW0110SBSD02

Tot Ion:	53	Resp:	25902
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.8	100.2
51	39.3	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 106.379 ug/l

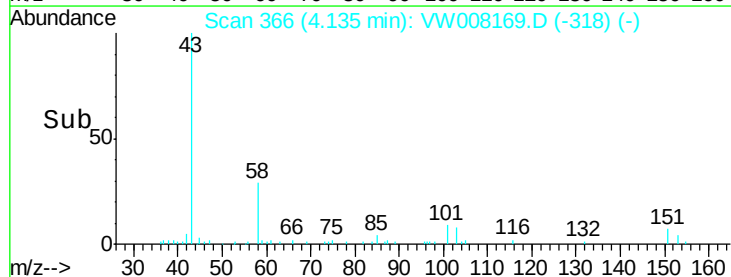
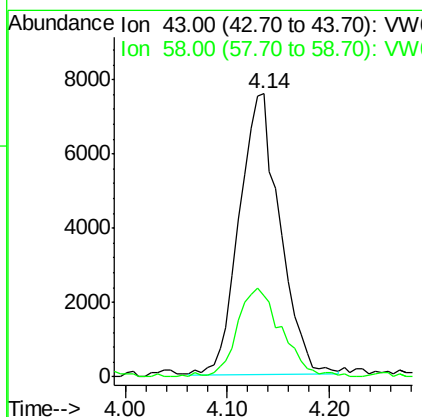
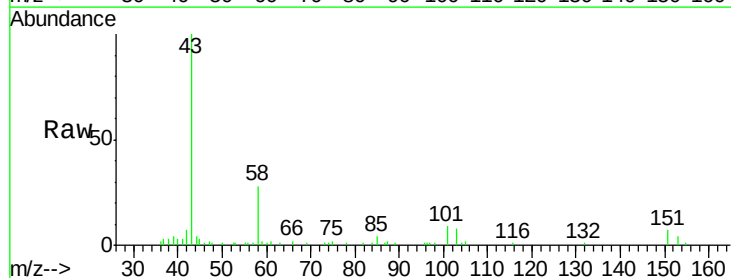
RT: 4.14 min Scan# 366

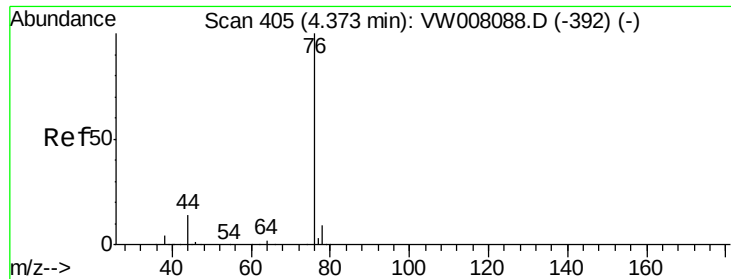
Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	43	Resp:	20934
Ion	Ratio	Lower	Upper
43	100		
58	28.8	27.5	41.3





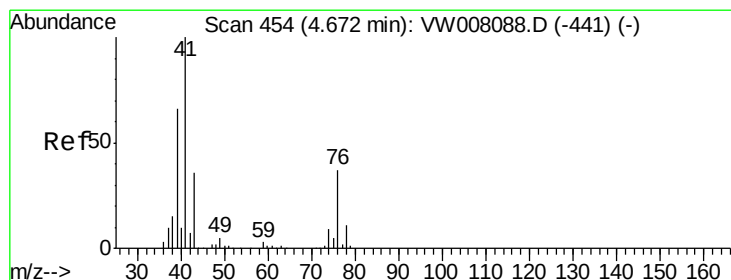
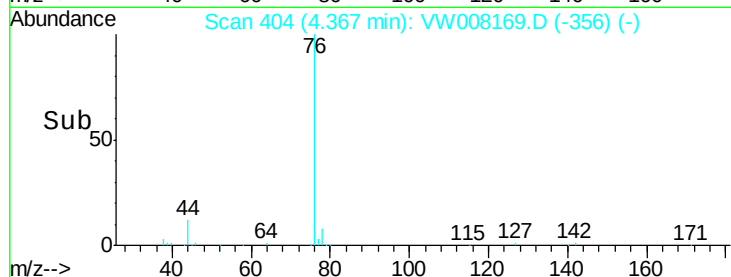
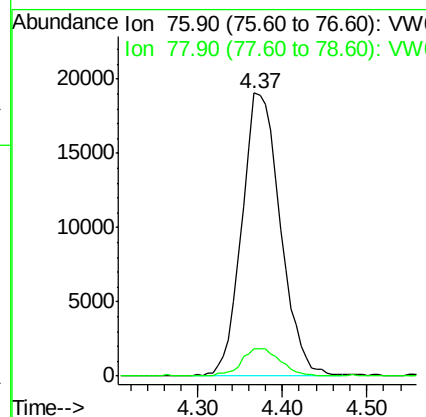
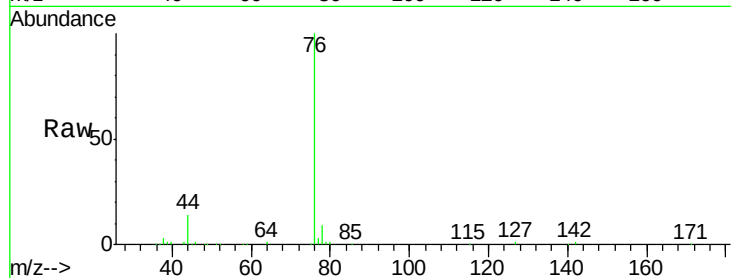
#17
Carbon Disulfide
Concen: 19.733 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion: 76 Resp: 59017
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

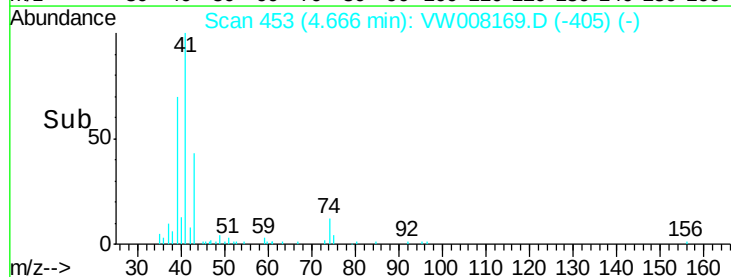
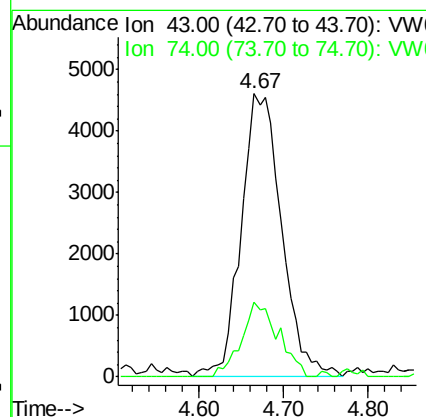
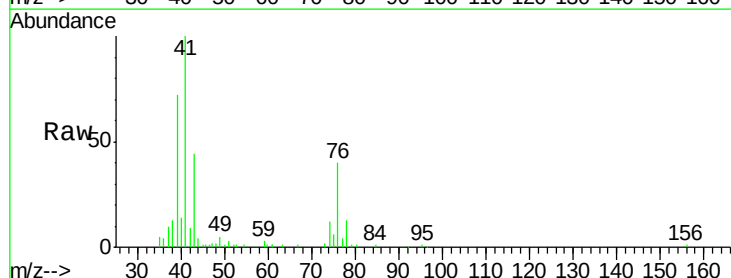
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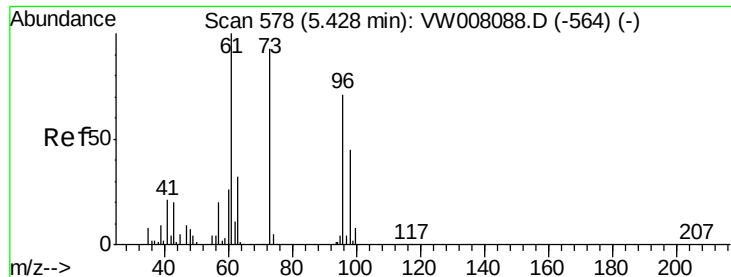
MMDadoda
1/11/2019 2:28:09 PM



#18
Methyl Acetate
Concen: 24.243 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 43 Resp: 15055
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.4





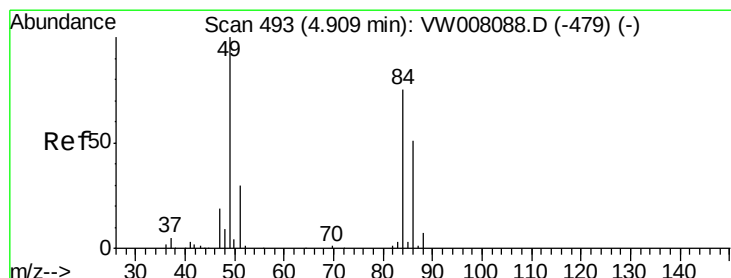
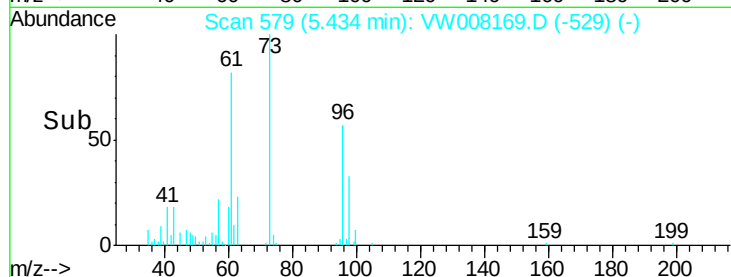
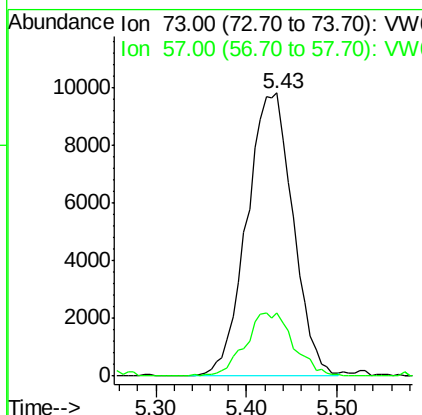
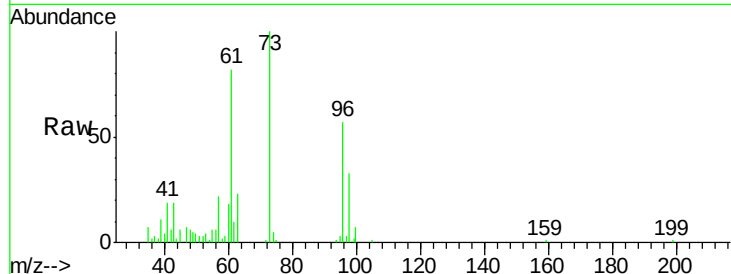
#19
Methyl tert-butyl Ether
Concen: 22.210 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBS02

Tot Ion: 73 Resp: 34568
Ion Ratio Lower Upper
73 100
57 22.5 16.7 25.1

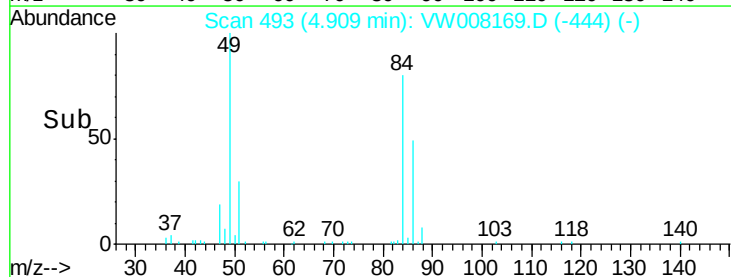
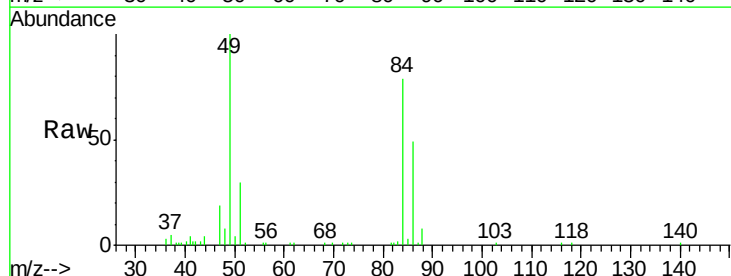
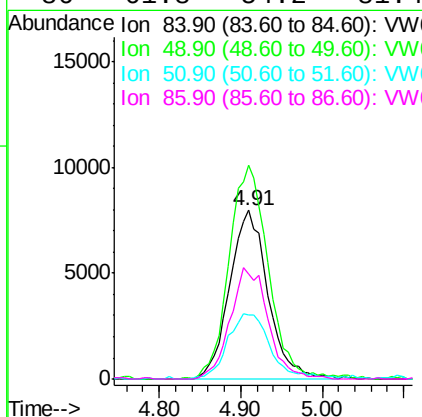
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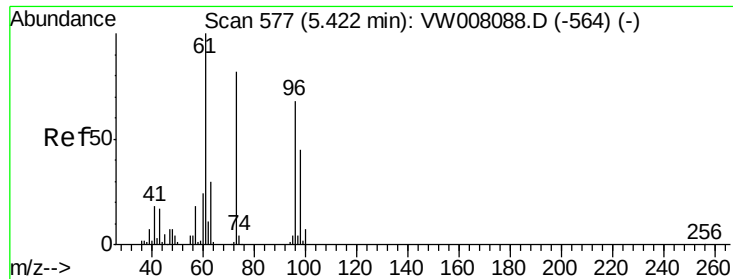
MMDadoda
1/11/2019 2:28:09 PM



#20
Methylene Chloride
Concen: 24.369 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 84 Resp: 25959
Ion Ratio Lower Upper
84 100
49 125.7 107.1 160.7
51 37.8 32.4 48.6
86 61.8 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 20.918 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

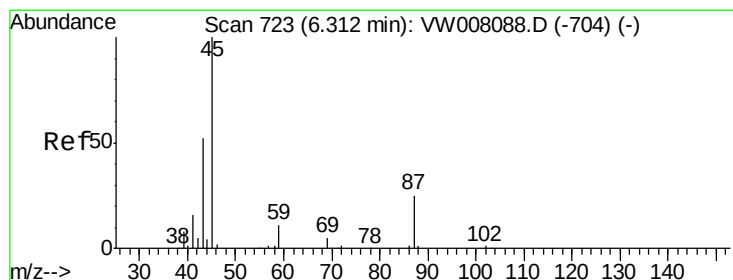
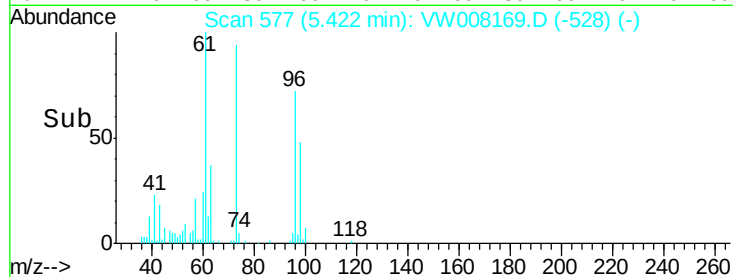
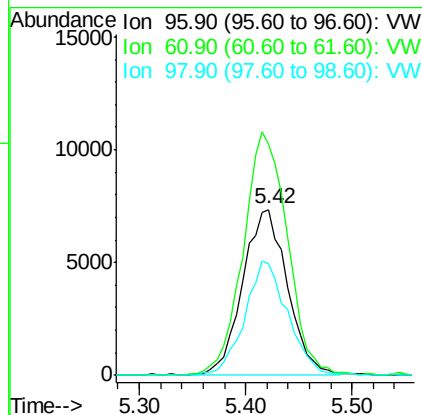
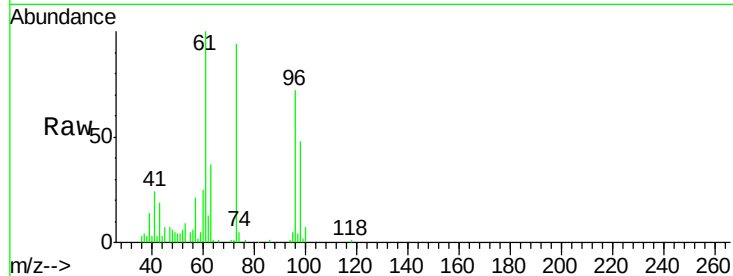
ClientSampleId :

VW0110SBSD02

Tot Ion:	96	Resp:	21763
Ion	Ratio	Lower	Upper
96	100		
61	138.2	117.4	176.0
98	67.1	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.486 ug/l

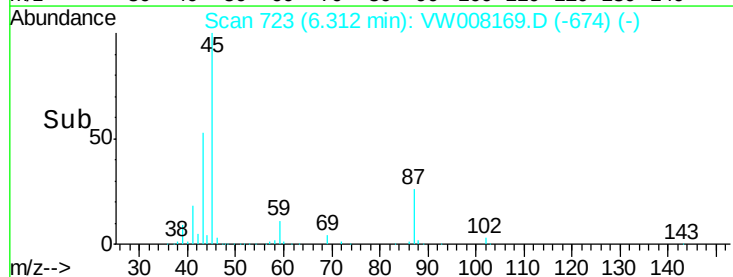
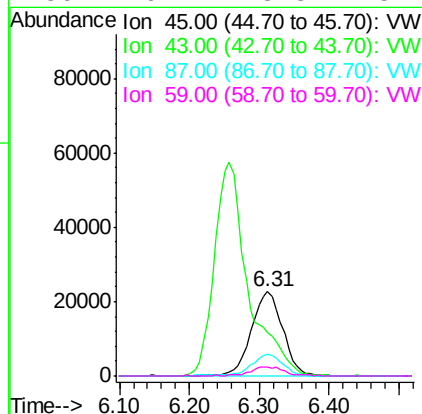
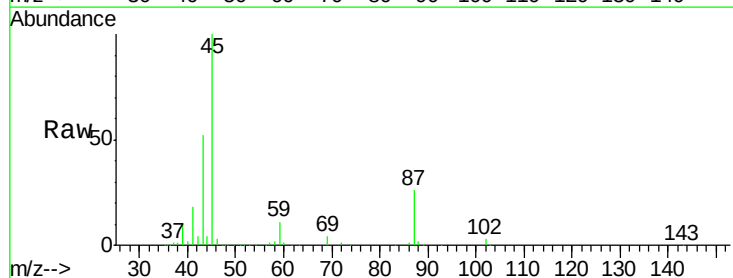
RT: 6.31 min Scan# 723

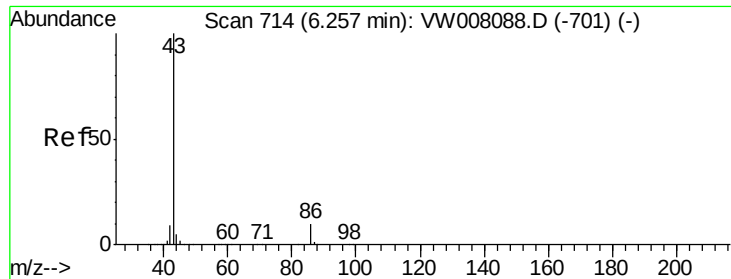
Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	45	Resp:	71229
Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.7	62.5
87	26.0	20.1	30.1
59	10.4	8.8	13.2





#23

Vinyl Acetate

Concen: 111.031 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 43 Resp: 193313

Ion Ratio Lower Upper

43 100

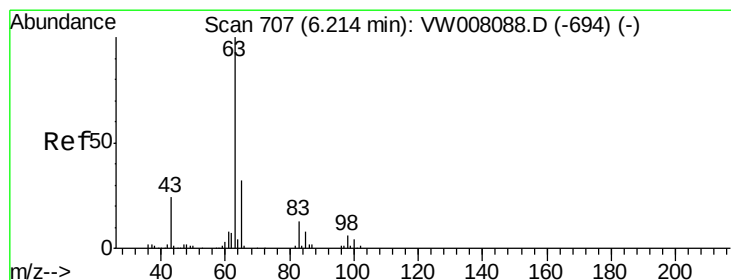
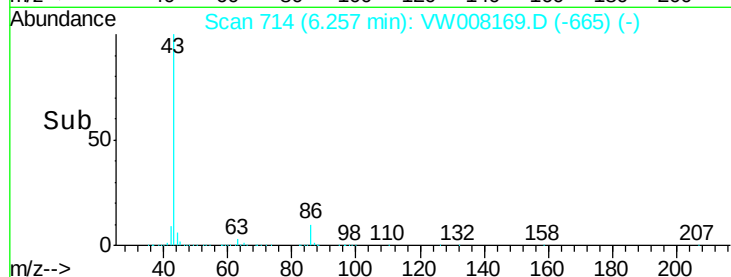
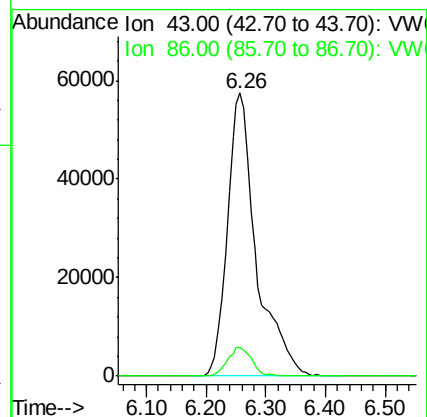
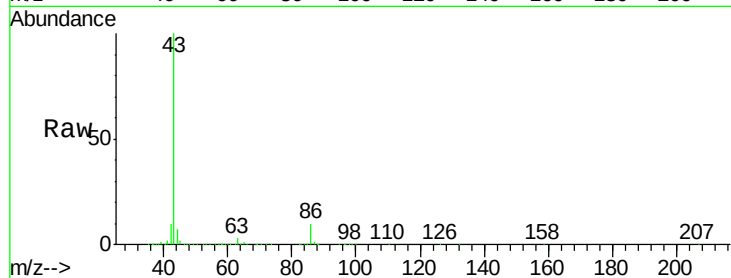
86 10.2 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.290 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

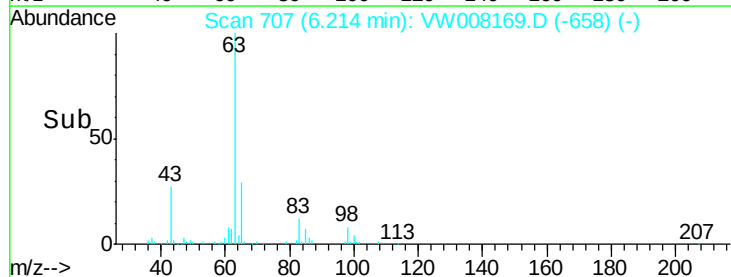
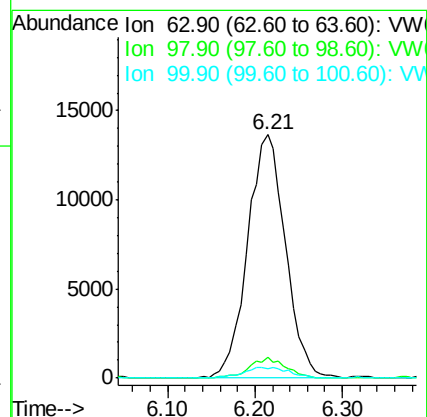
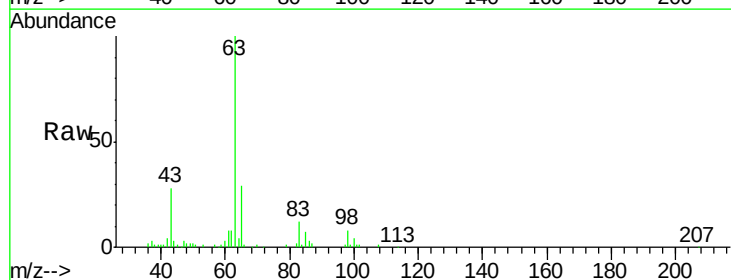
Tgt Ion: 63 Resp: 41123

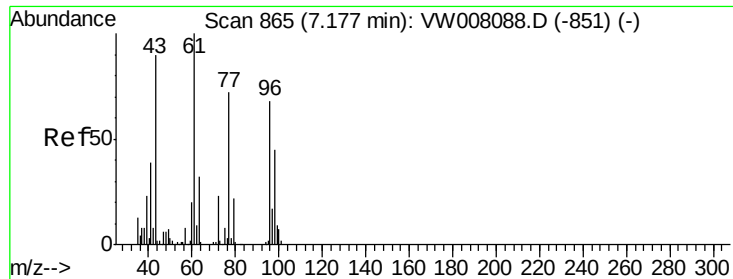
Ion Ratio Lower Upper

63 100

98 8.5 3.2 9.6

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 117.507 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 43 Resp: 32124

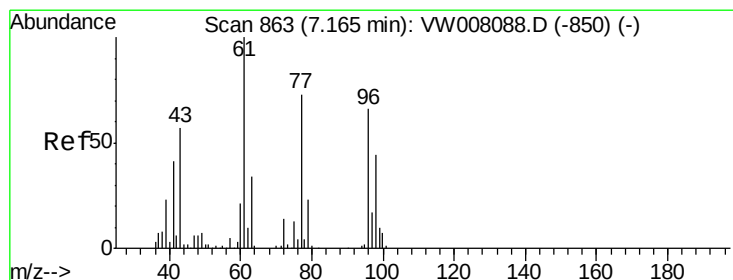
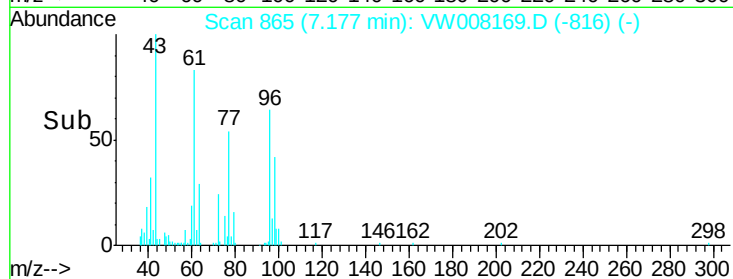
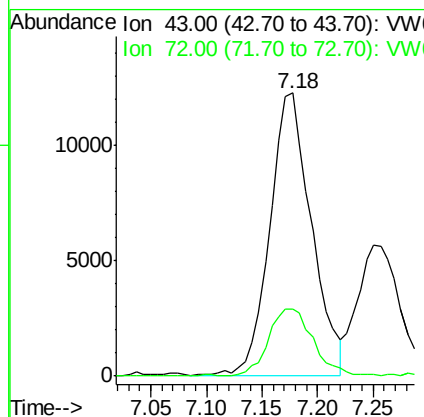
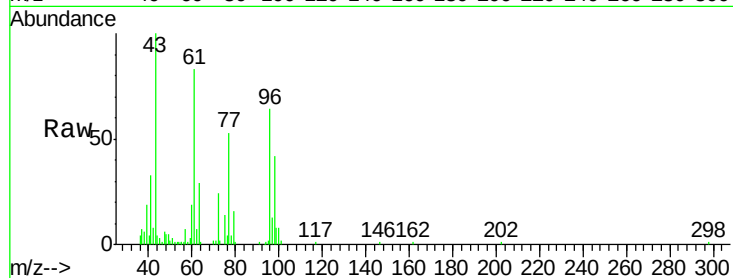
Ion Ratio Lower Upper

43 100

72 23.5 20.5 30.7

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.739 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008169.D

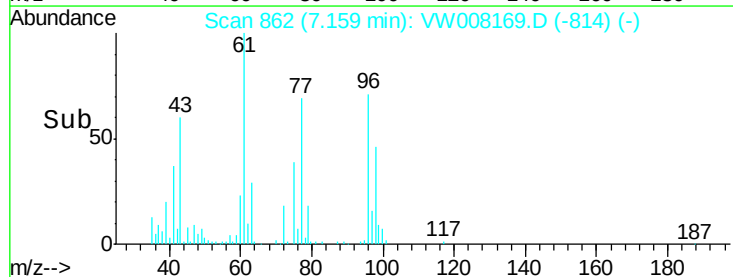
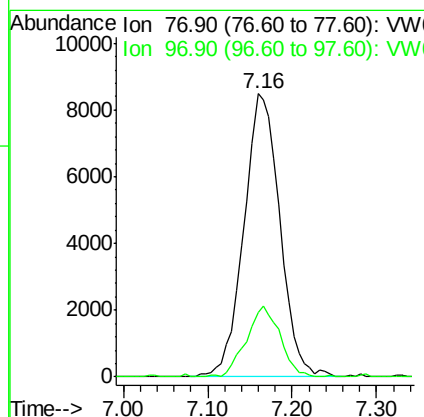
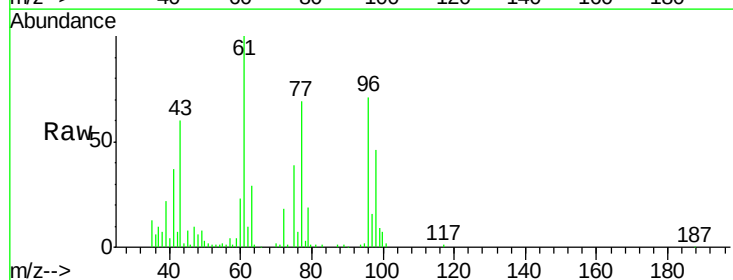
Acq: 11 Jan 2019 02:00

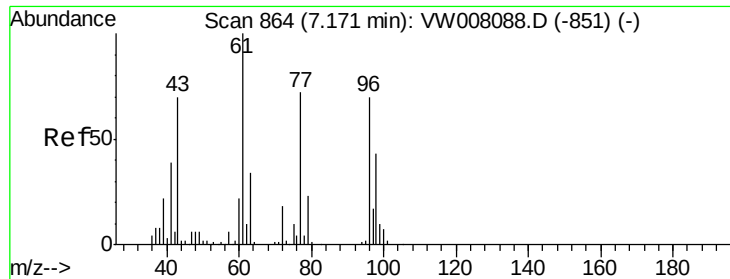
Tgt Ion: 77 Resp: 24525

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 21.756 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

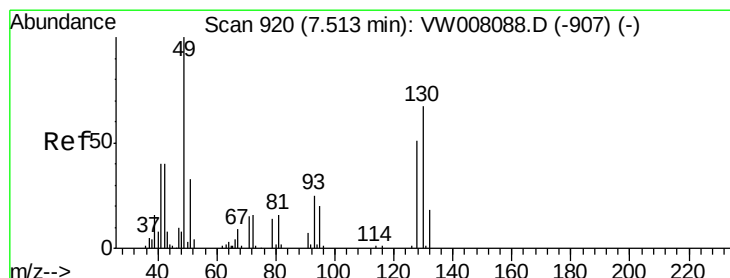
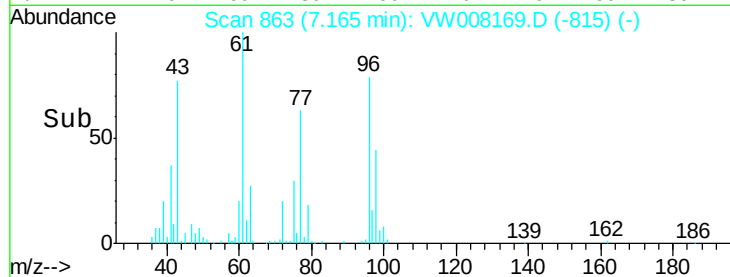
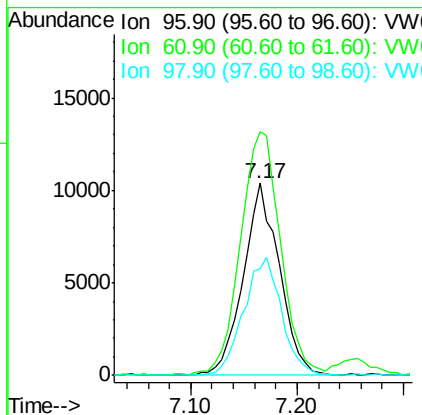
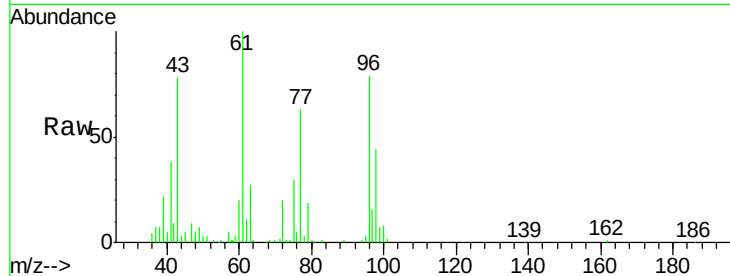
ClientSampleId :

VW0110SBSD02

Tot Ion:	96	Resp:	24696
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	300.4
98	64.2	0.0	128.4

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1/11/2019 2:28:09 PM



#28

Bromochloromethane

Concen: 21.408 ug/l

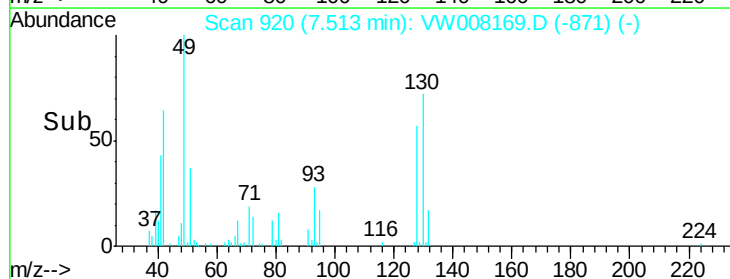
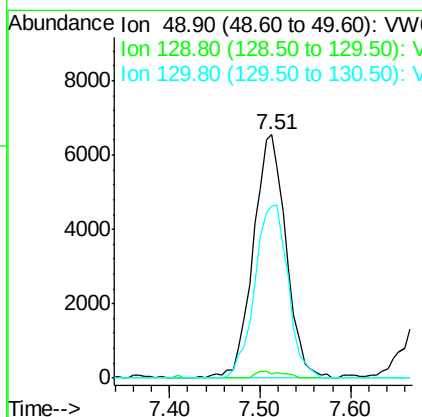
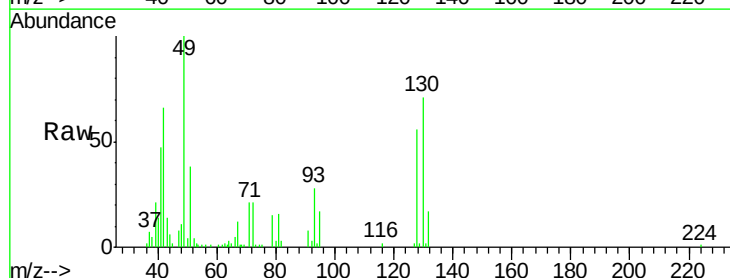
RT: 7.51 min Scan# 920

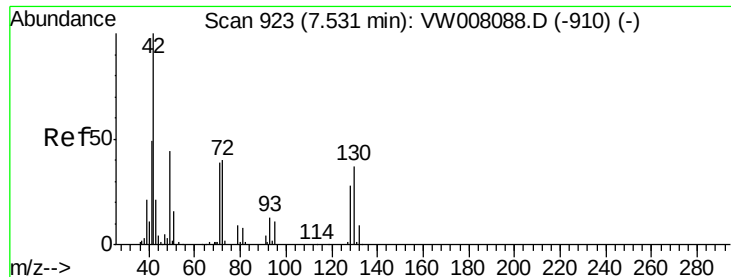
Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	49	Resp:	16356
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.8
130	72.2	54.3	81.5





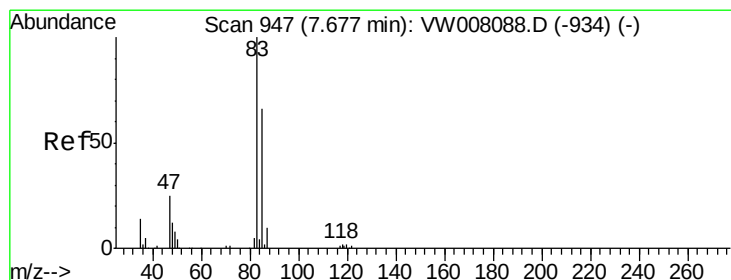
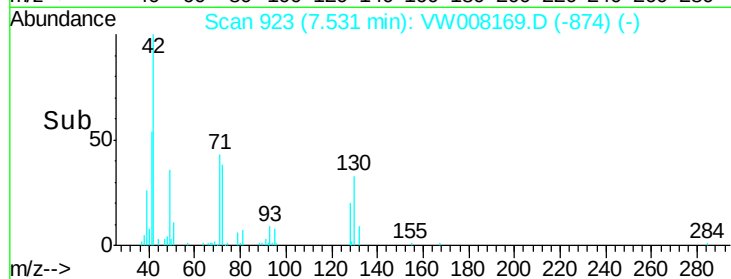
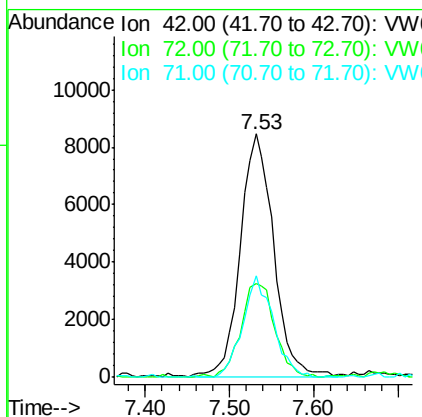
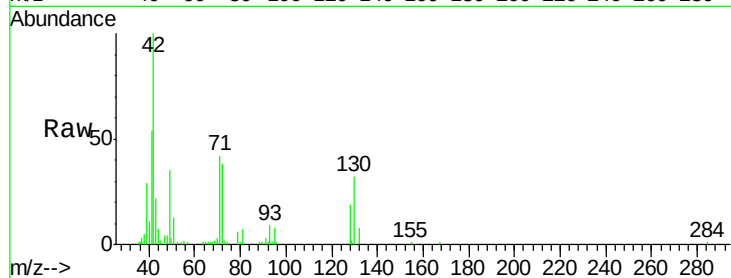
#29
Tetrahydrofuran
Concen: 124.586 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion:	42	Resp:	22751
Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.4	48.6
71	38.1	31.3	46.9

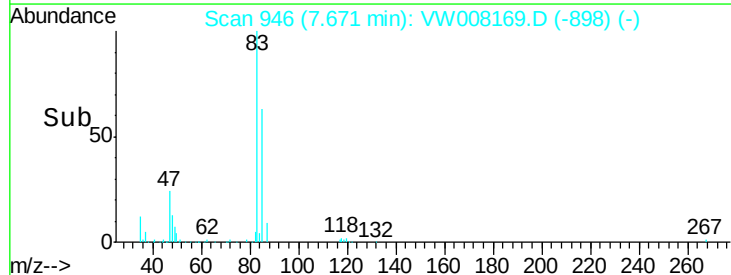
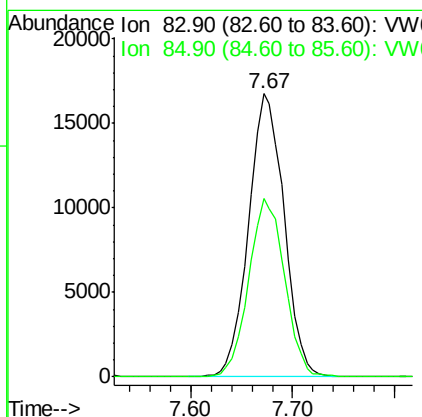
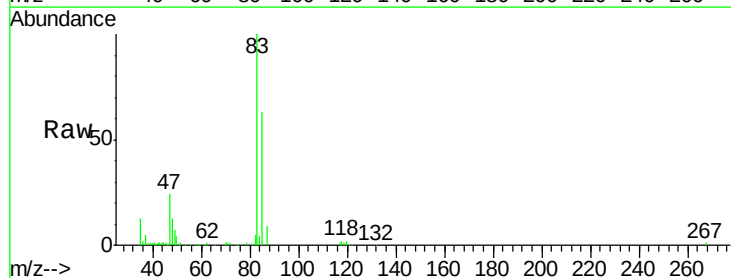
Manual Integrations
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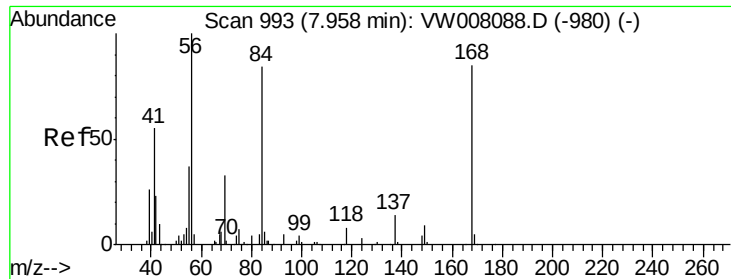
MMDadoda
1/11/2019 2:28:09 PM



#30
Chloroform
Concen: 22.079 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:	83	Resp:	40593
Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.2	79.8





#31

Cyclohexane

Concen: 18.396 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

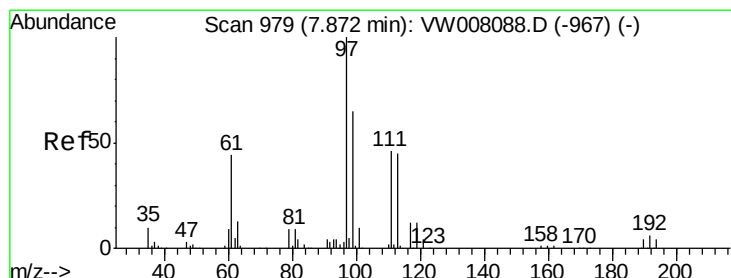
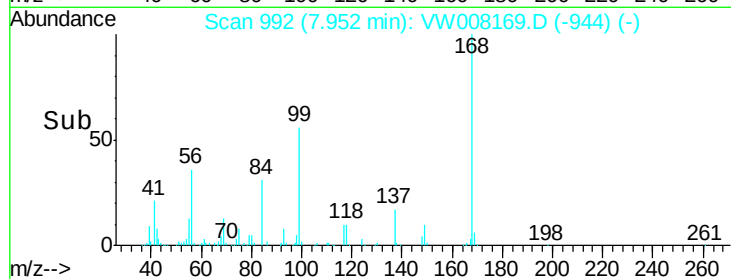
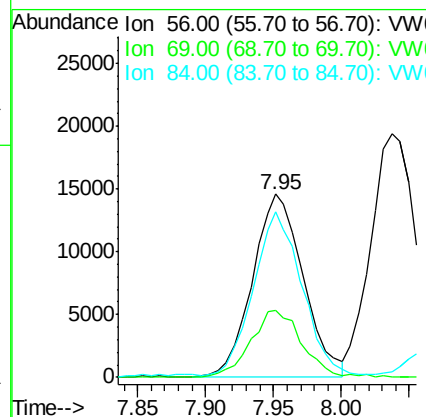
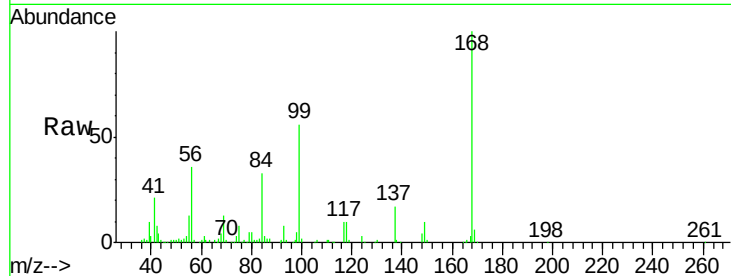
ClientSampled :

VW0110SBSD02

Tot Ion:	56	Resp:	38039
Ion Ratio	Lower	Upper	
56	100		
69	36.3	26.2	39.4
84	89.8	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.598 ug/l

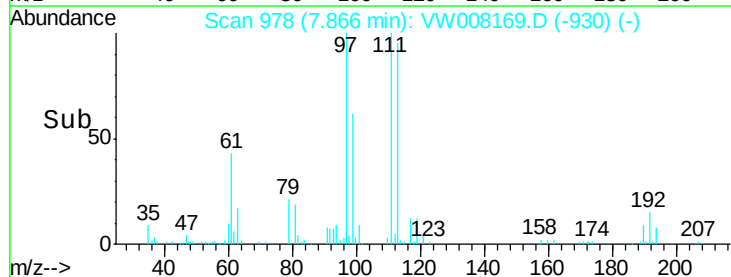
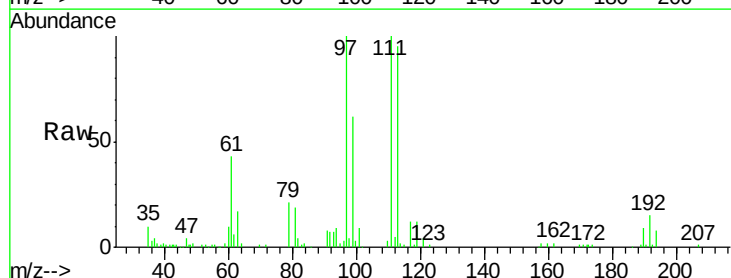
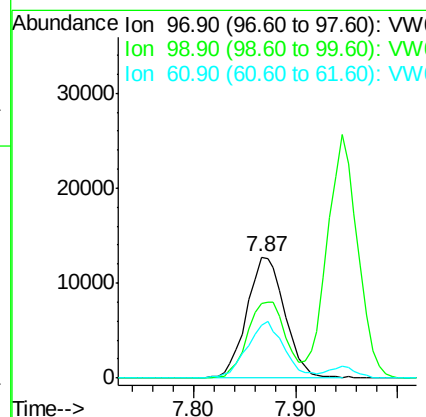
RT: 7.87 min Scan# 978

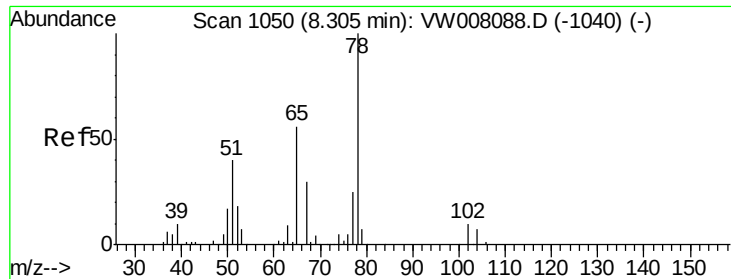
Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	97	Resp:	32952
Ion Ratio	Lower	Upper	
97	100		
99	62.9	51.4	77.0
61	45.7	35.6	53.4





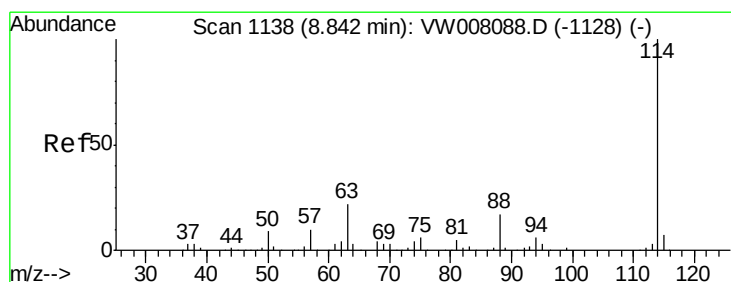
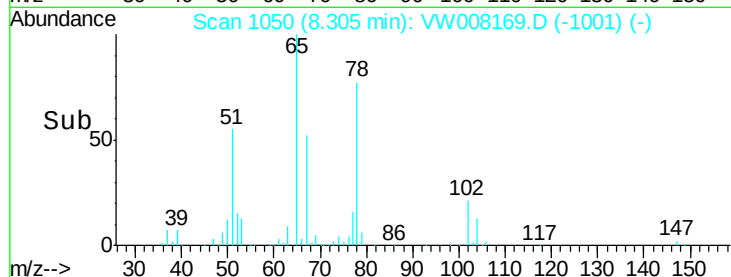
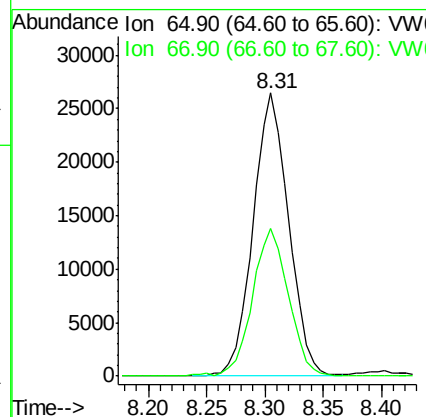
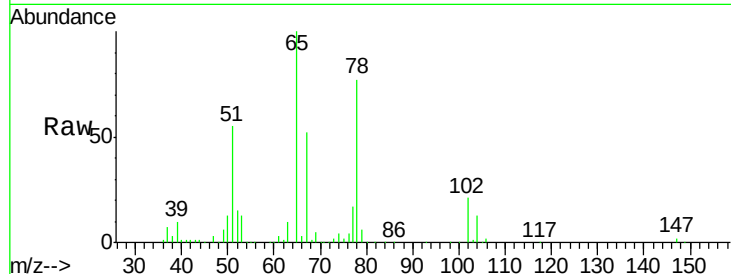
#33
 1,2-Dichloroethane-d4
 Concen: 57.000 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8

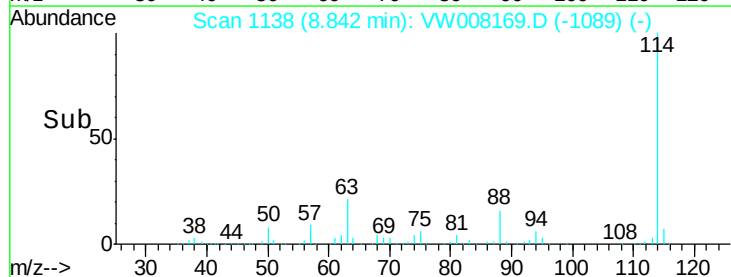
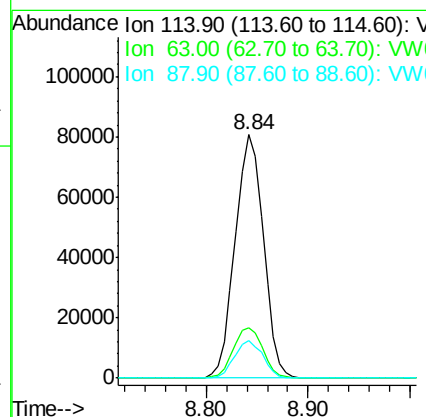
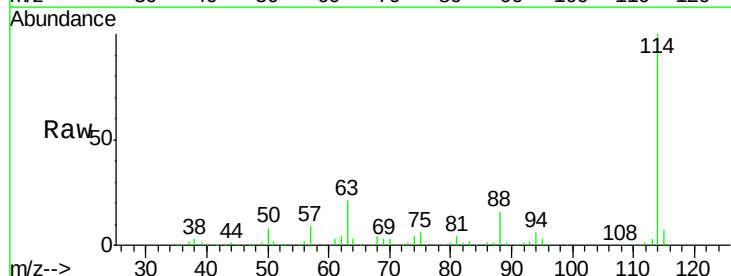
Manual Integrations
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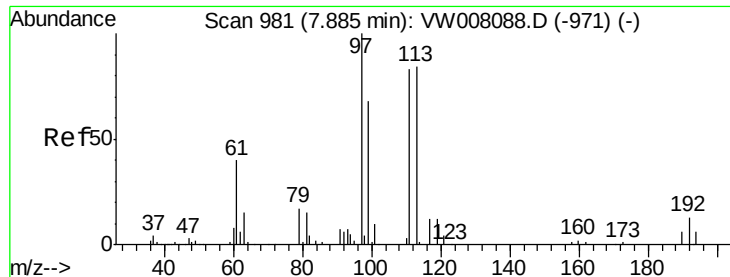
MMDadoda
 1/11/2019 2:28:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.4
88	15.6	0.0	33.4





#35

Dibromofluoromethane

Concen: 57.661 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

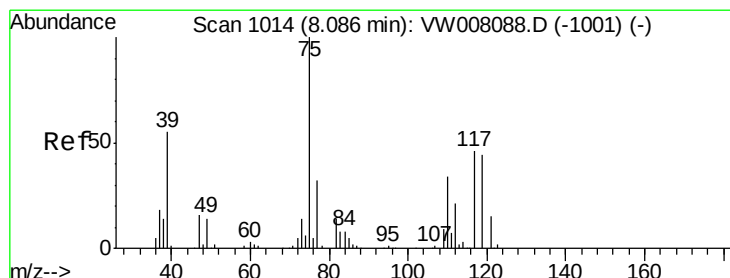
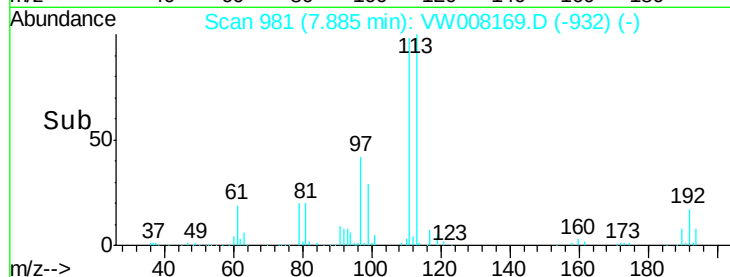
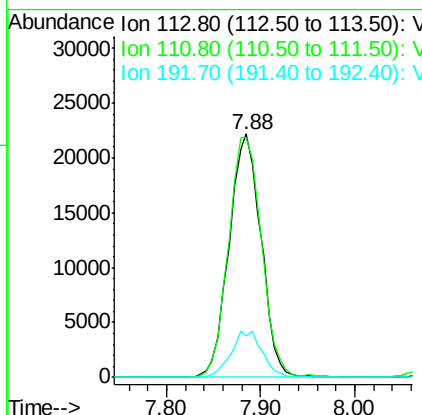
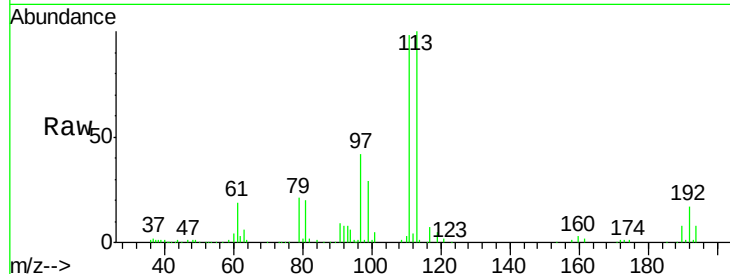
ClientSampleId :

VW0110SBSD02

Tot Ion:	113	Resp:	52361
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	18.6	12.8	19.2

Manual Integrations
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1/11/2019 2:28:09 PM



#36

1,1-Dichloropropene

Concen: 19.652 ug/l

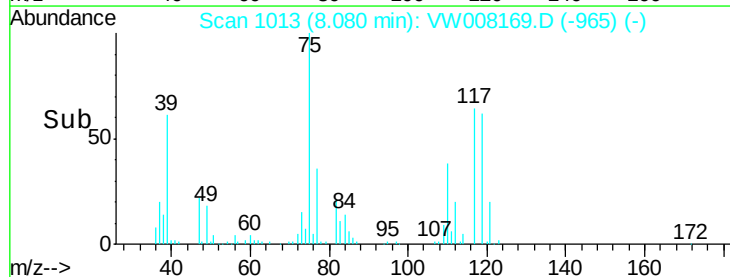
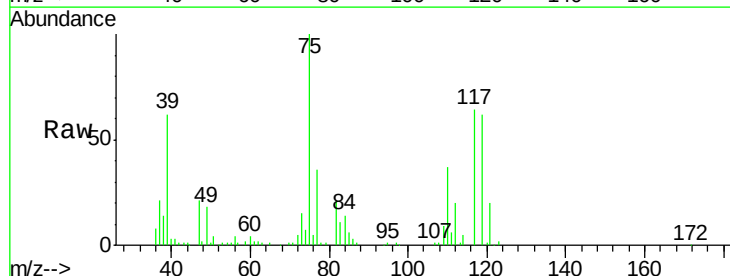
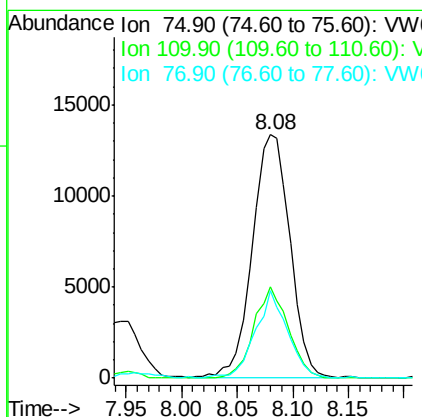
RT: 8.08 min Scan# 1013

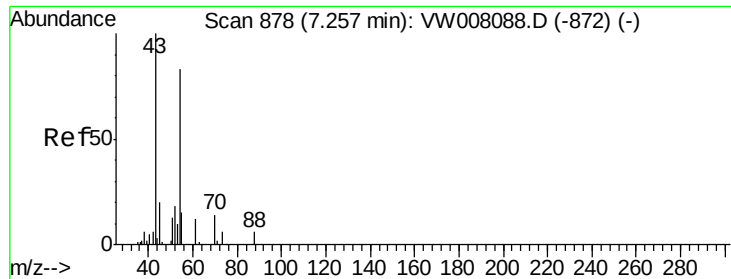
Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	75	Resp:	31519
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.1	51.3
77	31.1	25.5	38.3





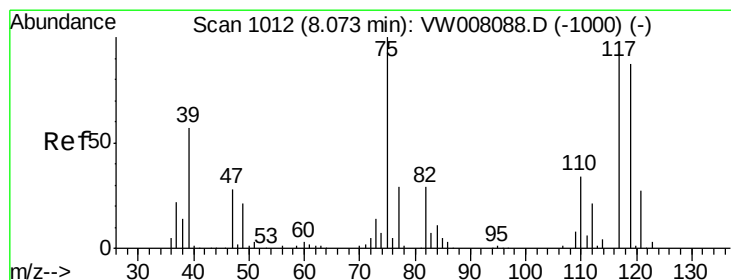
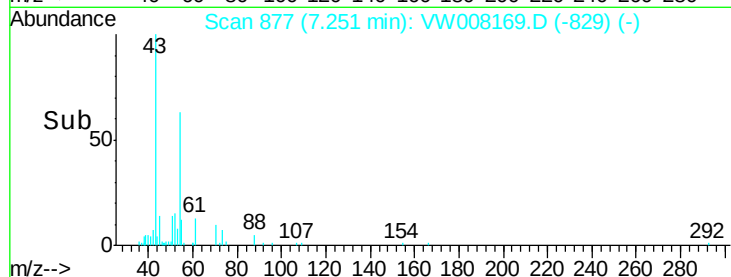
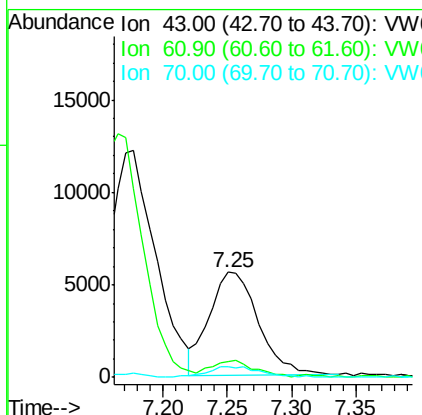
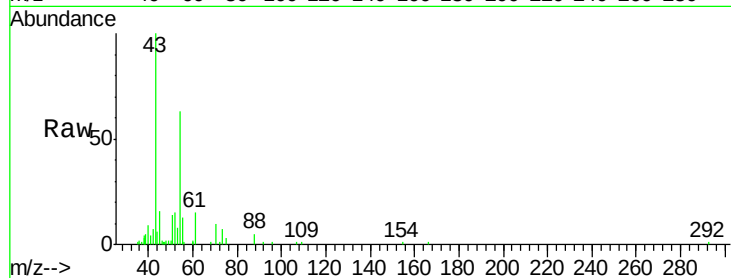
#37
Ethyl Acetate
Concen: 23.167 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	16.0
70	11.1	8.9	13.3

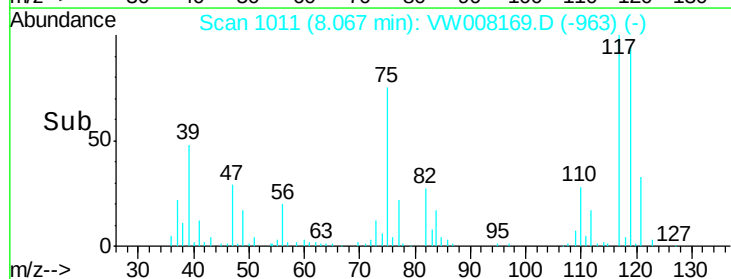
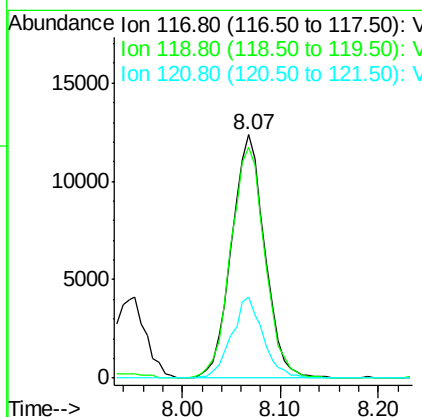
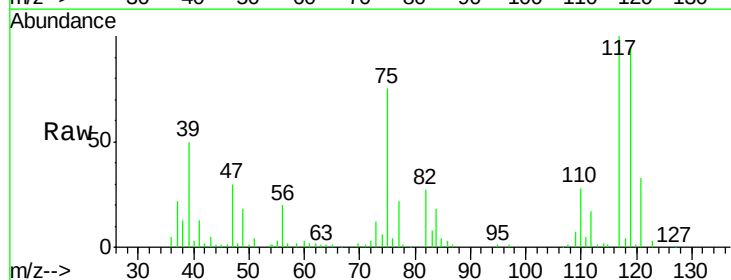
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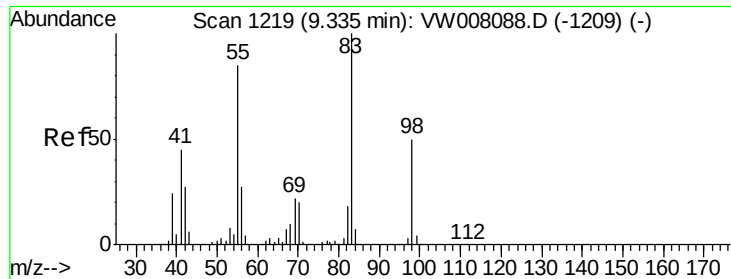
MMDadoda
1/11/2019 2:28:09 PM



#38
Carbon Tetrachloride
Concen: 19.836 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
121	33.4	23.7	35.5





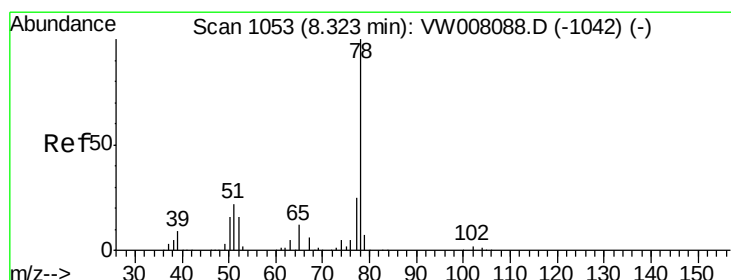
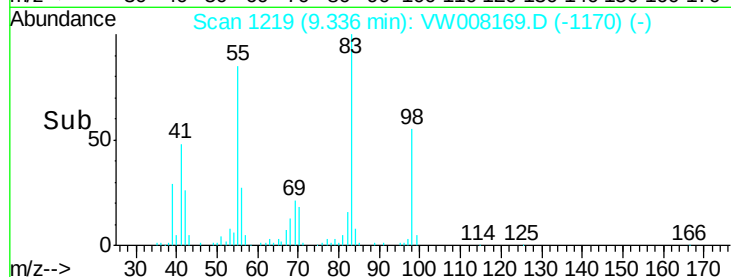
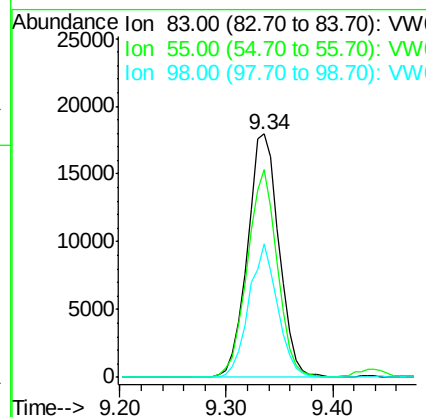
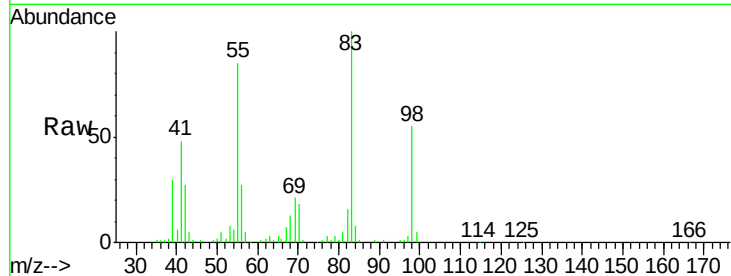
#39
Methylvlcyclohexane
Concen: 18.327 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.8	101.6
98	54.7	40.2	60.4

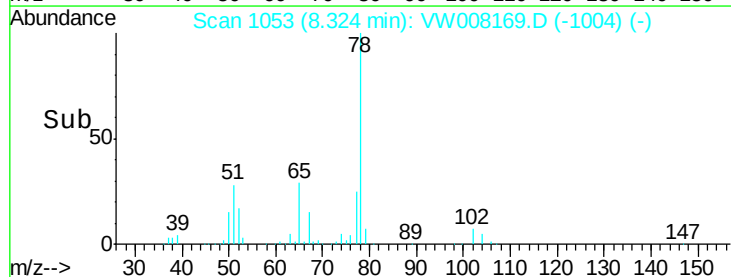
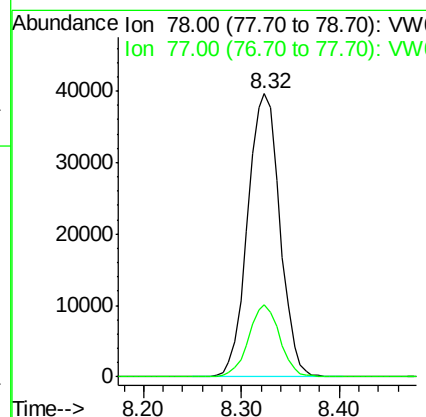
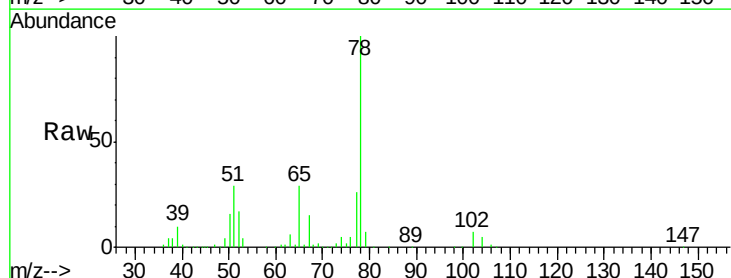
Manual Integrations
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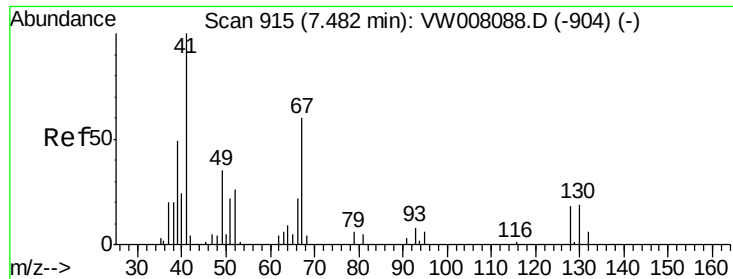
MMDadoda
1/11/2019 2:28:09 PM



#40
Benzene
Concen: 20.736 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.2	30.4





#41

Methacrylonitrile

Concen: 23.706 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

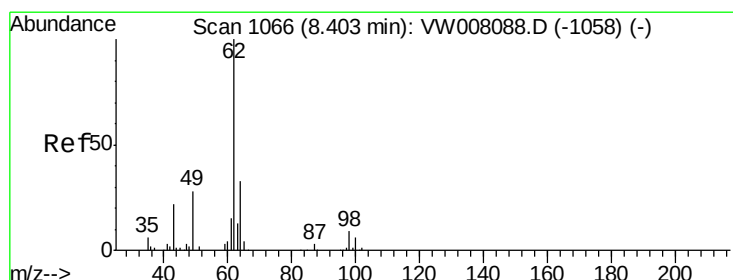
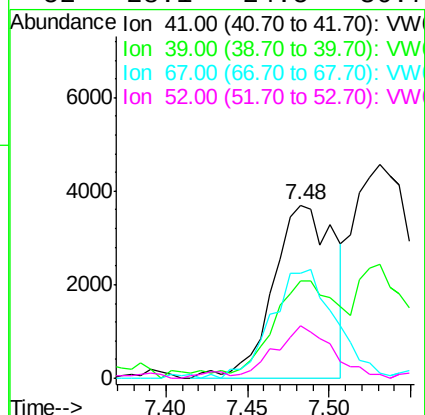
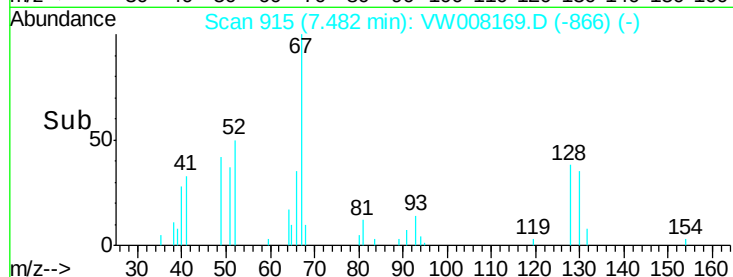
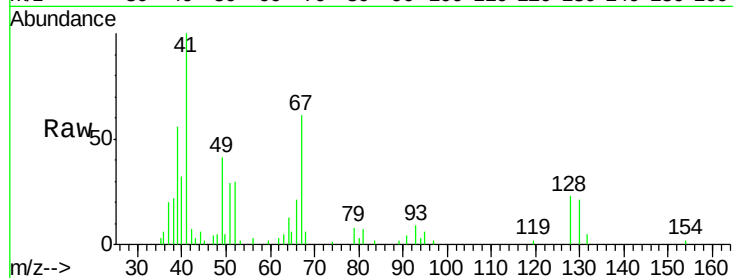
ClientSampleID :

VW0110SBSD02

Tot Ion:	41	Resp:	9622
Ion	Ratio	Lower	Upper
41	100		
39	58.1	47.9	71.9
67	65.7	56.3	84.5
52	28.1	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.782 ug/l

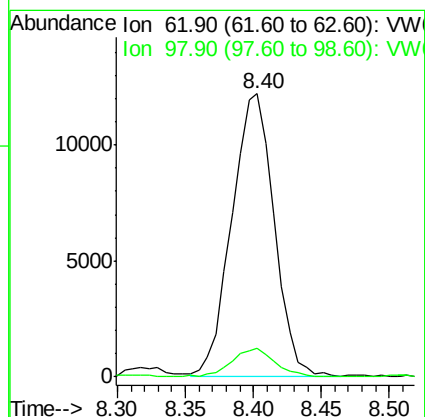
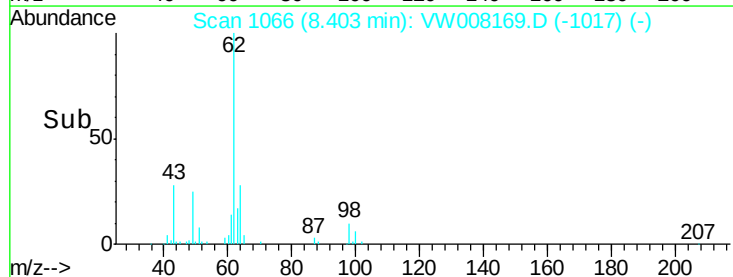
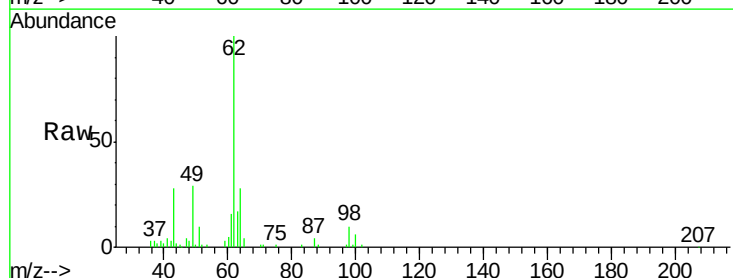
RT: 8.40 min Scan# 1066

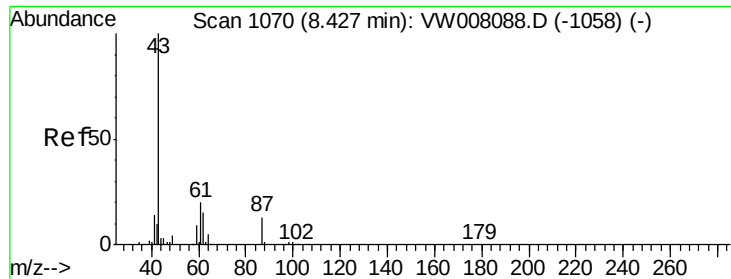
Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	62	Resp:	26650
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.656 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

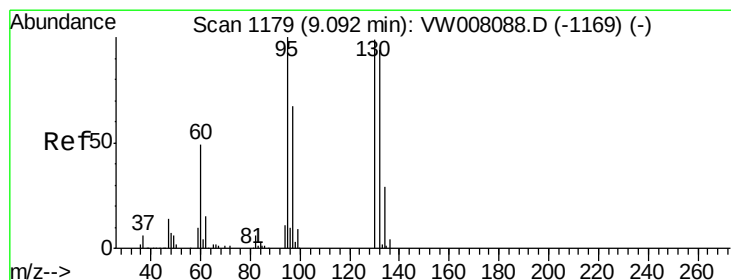
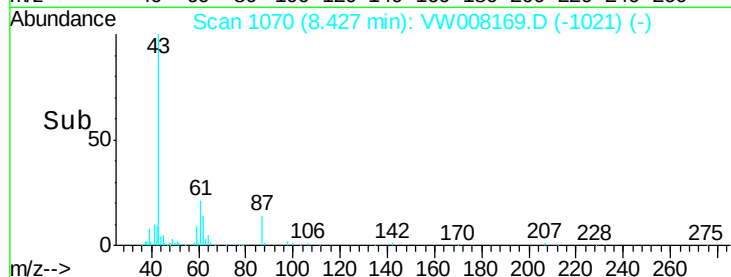
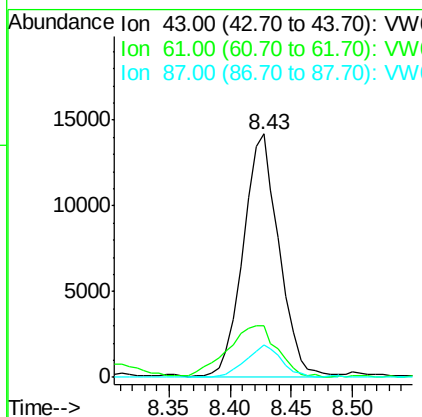
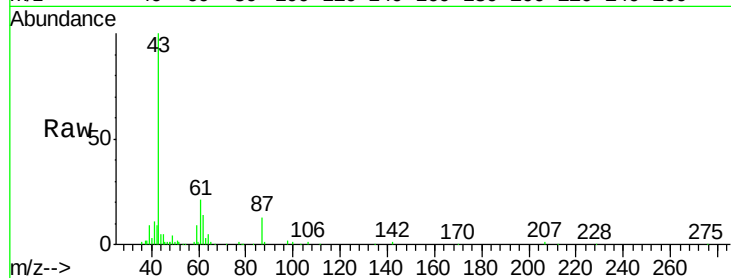
ClientSampleId :

VW0110SBSD02

Tot Ion:	43	Resp:	29106
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.8	37.2
87	13.0	10.4	15.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.799 ug/l

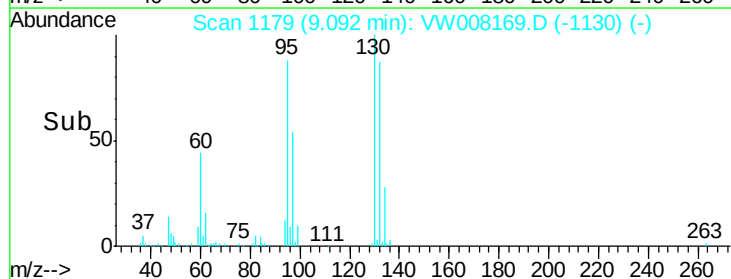
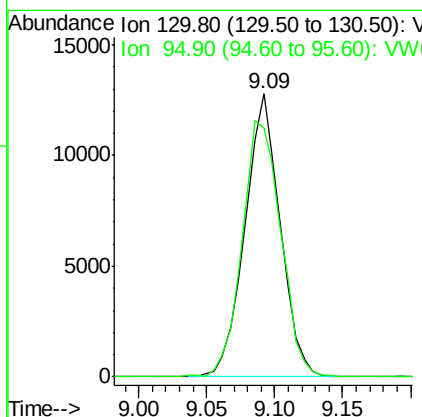
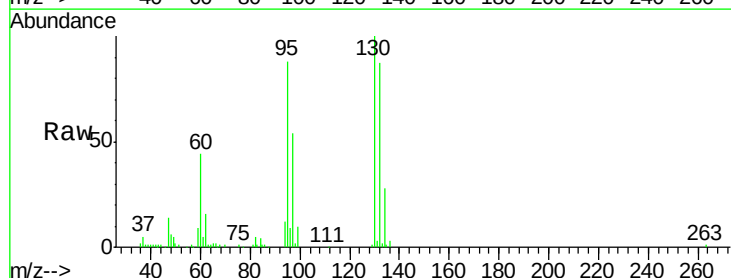
RT: 9.09 min Scan# 1179

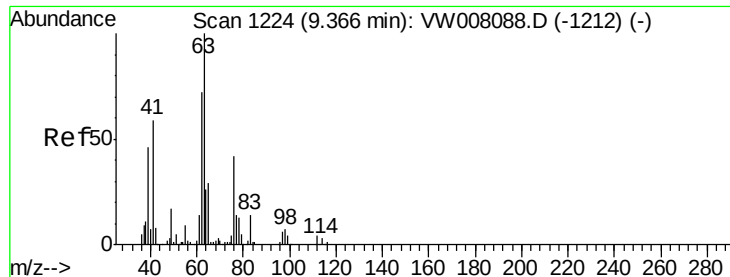
Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	130	Resp:	23161
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	202.8





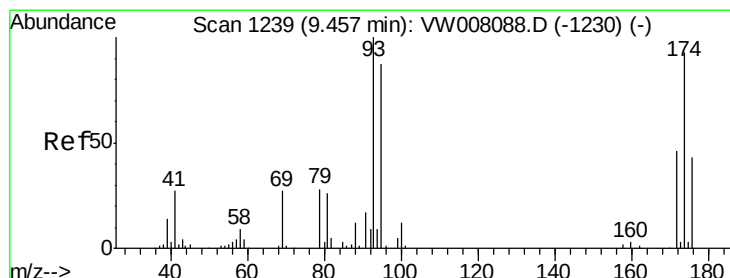
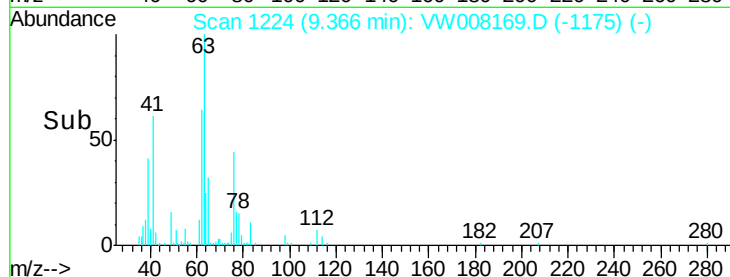
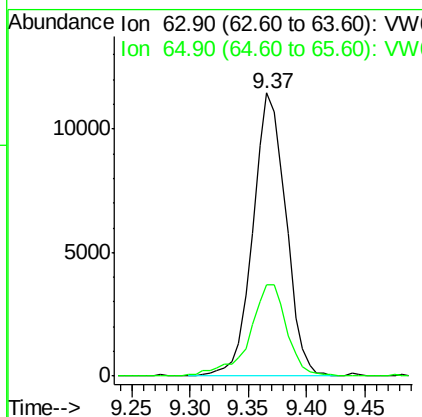
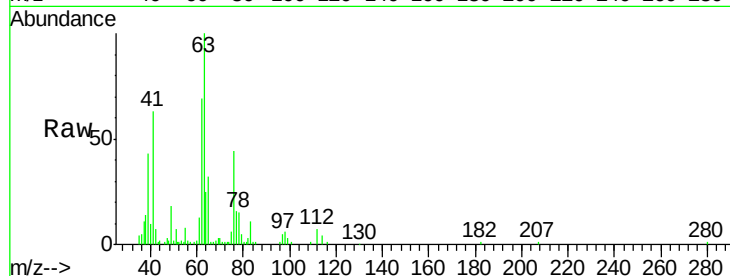
#45
 1,2-Dichloropropane
 Concen: 20.860 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion: 63 Resp: 22500
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.3 34.9

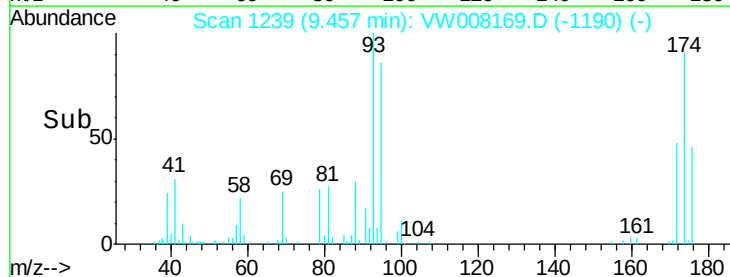
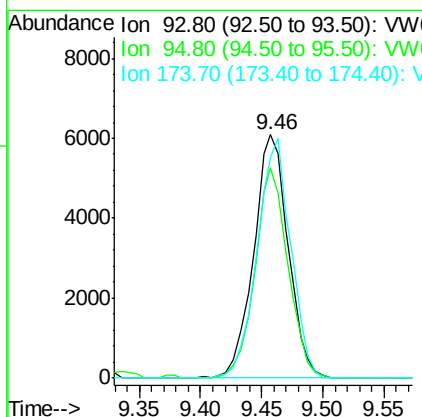
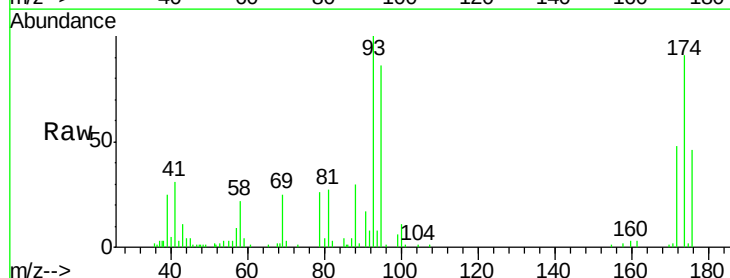
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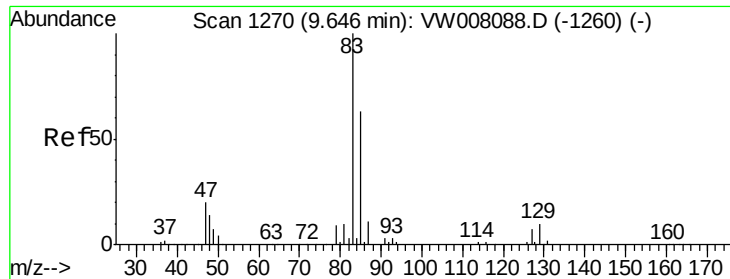
MMDadoda
 1/11/2019 2:28:09 PM



#46
 Dibromomethane
 Concen: 22.657 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion: 93 Resp: 12002
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.5 101.3
 174 95.4 72.5 108.7





#47

Bromodichloromethane

Concen: 21.554 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

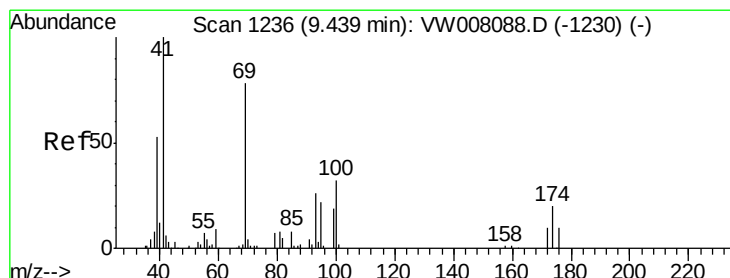
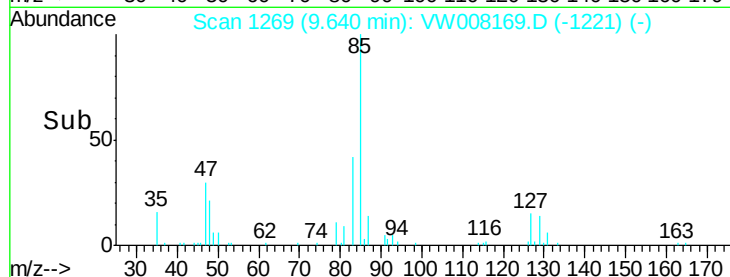
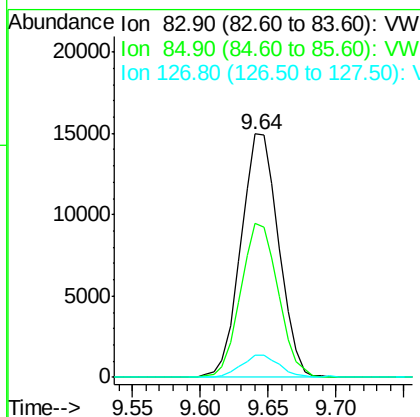
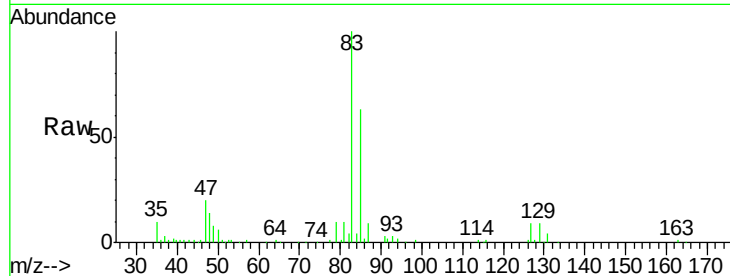
ClientSampleId :

VW0110SBSD02

Tot Ion:	83	Resp:	28992
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.7	76.1
127	9.2	6.0	9.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.085 ug/l

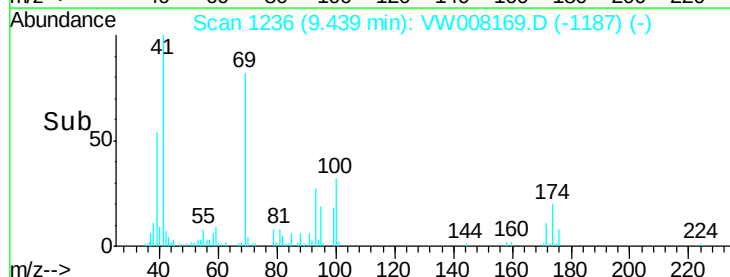
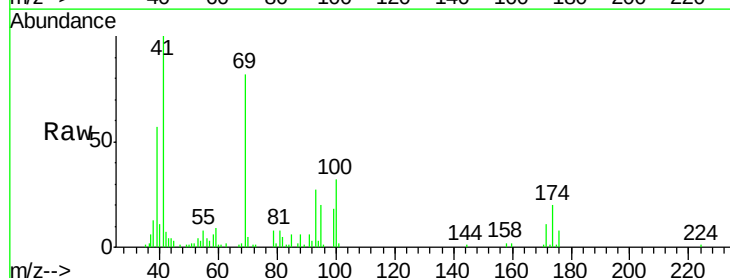
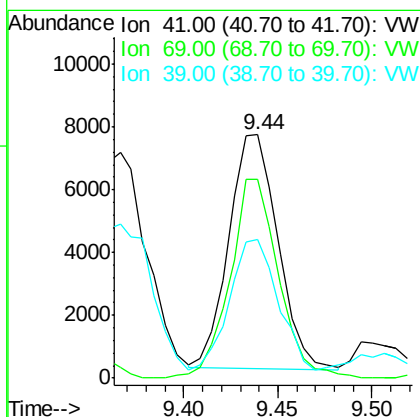
RT: 9.44 min Scan# 1236

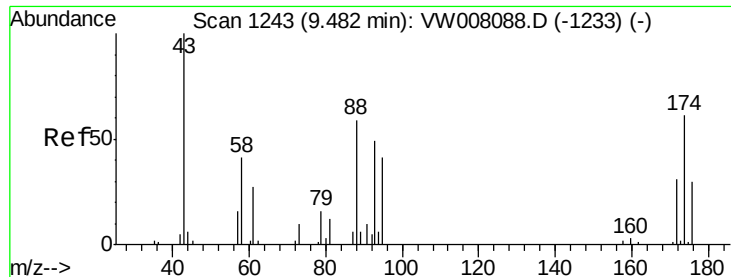
Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	41	Resp:	13388
Ion Ratio	Lower	Upper	
41	100		
69	84.6	61.9	92.9
39	55.2	43.0	64.4





#49

1,4-Dioxane

Concen: 498.541 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

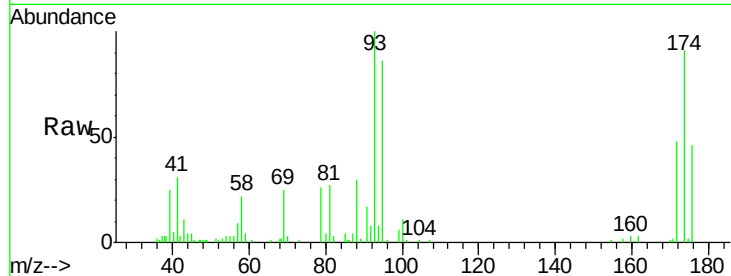
ClientSampleId :

VW0110SBSD02

Tot Ion:	88	Resp:	4247
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.9	61.7	92.5

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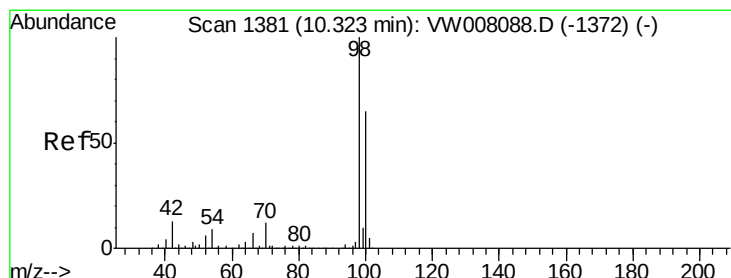
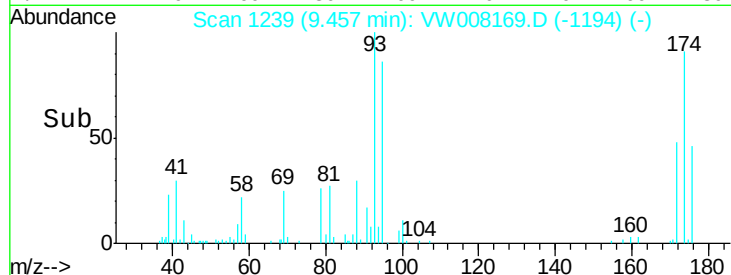
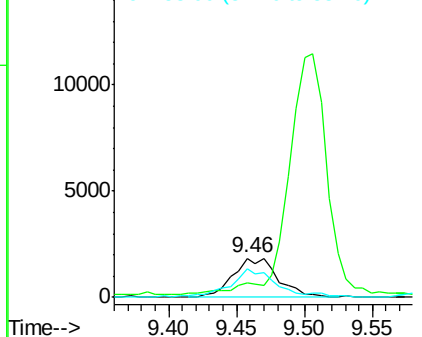


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 56.062 ug/l

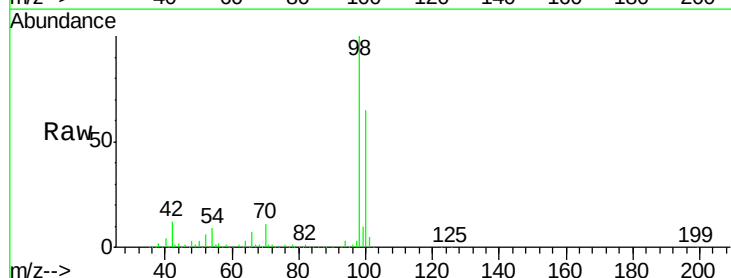
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

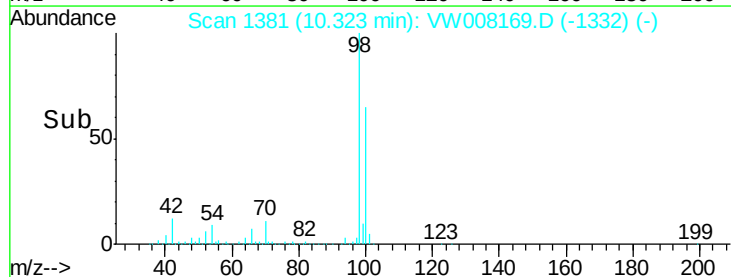
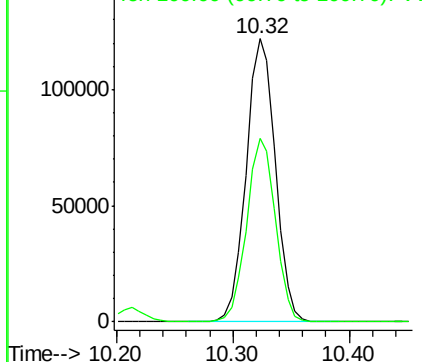
Tgt Ion:	98	Resp:	213633
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5

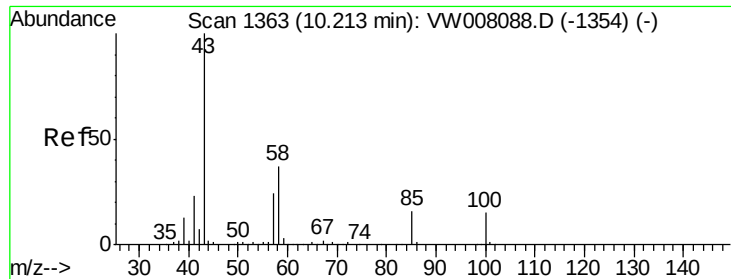


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 117.085 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 43 Resp: 72811

Ion Ratio Lower Upper

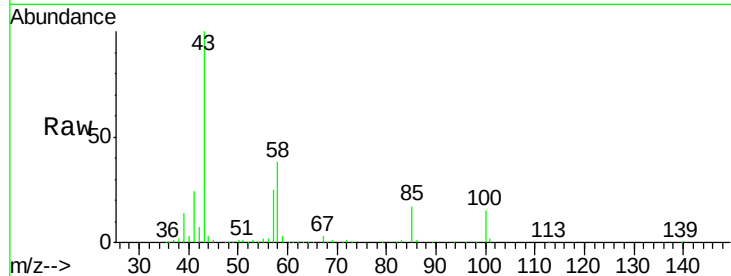
43 100

58 37.2 30.6 46.0

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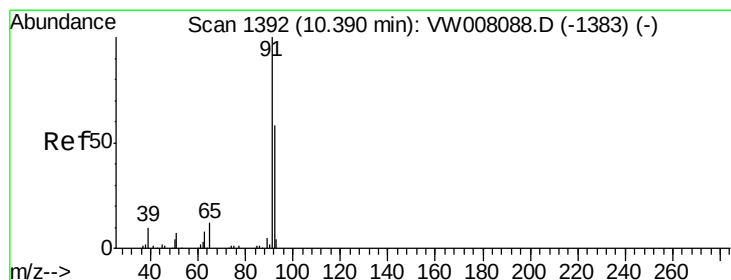
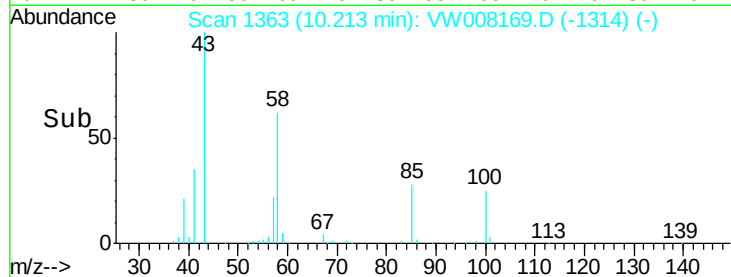
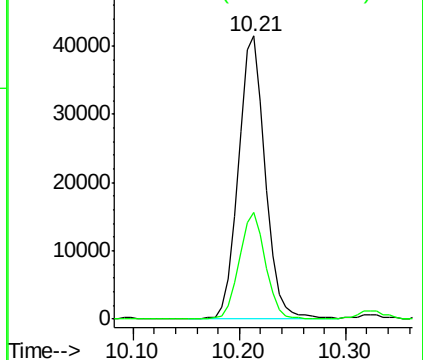
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.943 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008169.D

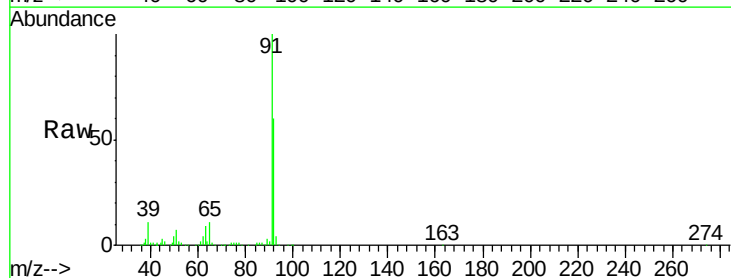
Acq: 11 Jan 2019 02:00

Tgt Ion: 92 Resp: 58182

Ion Ratio Lower Upper

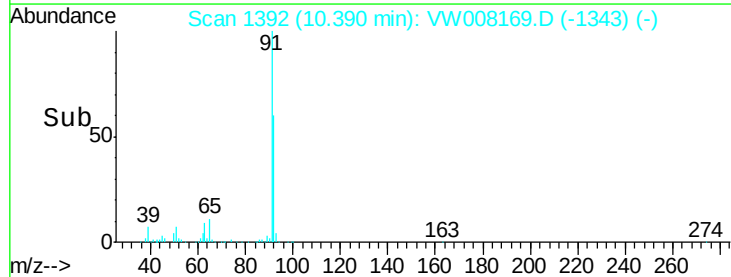
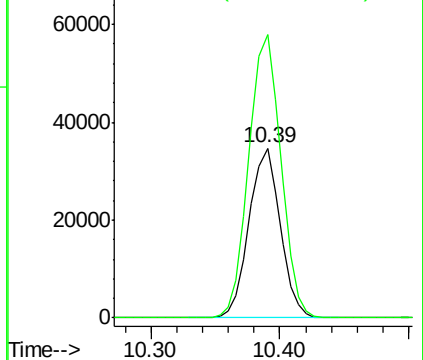
92 100

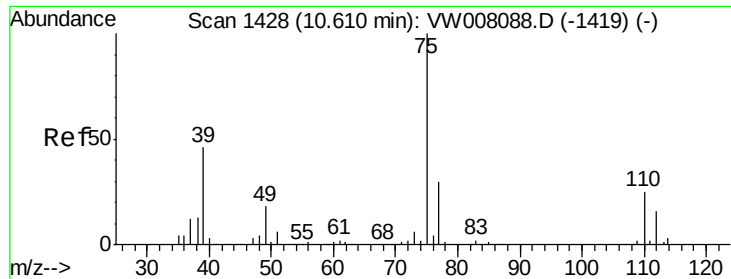
91 172.0 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





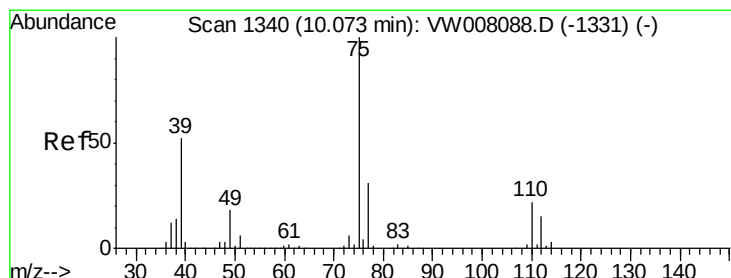
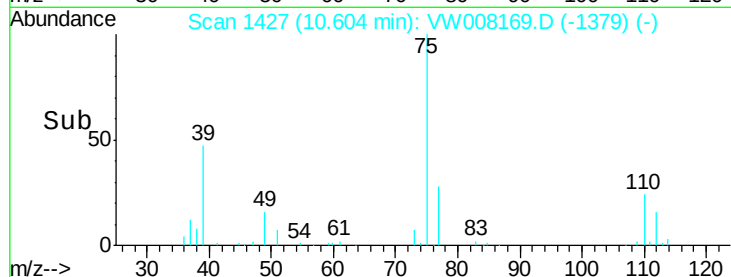
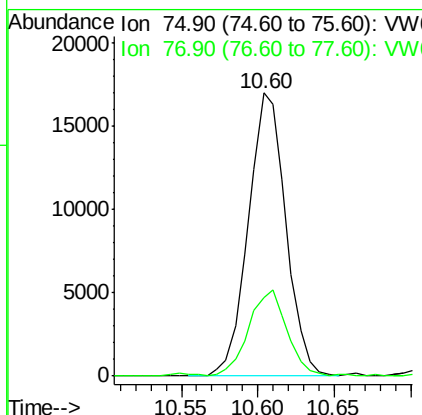
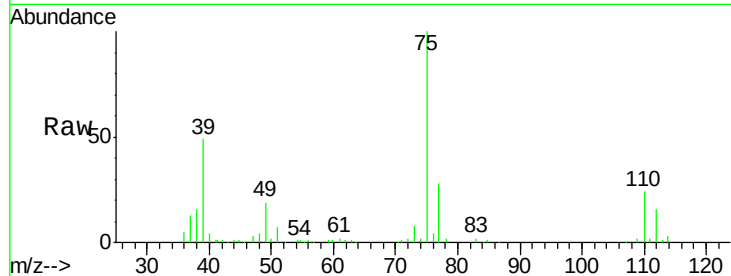
#53
t-1,3-Dichloropropene
Concen: 20.767 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion: 75 Resp: 29055
Ion Ratio Lower Upper
75 100
77 27.1 24.4 36.6

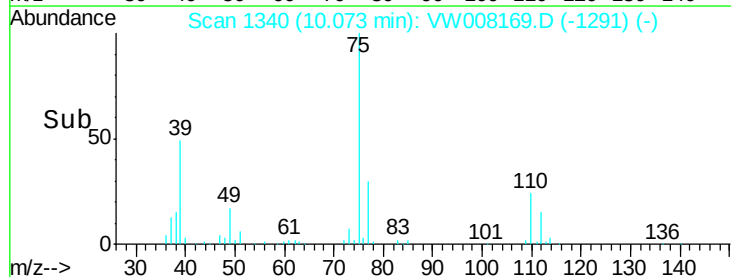
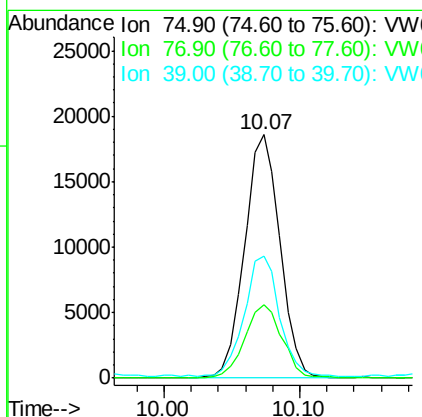
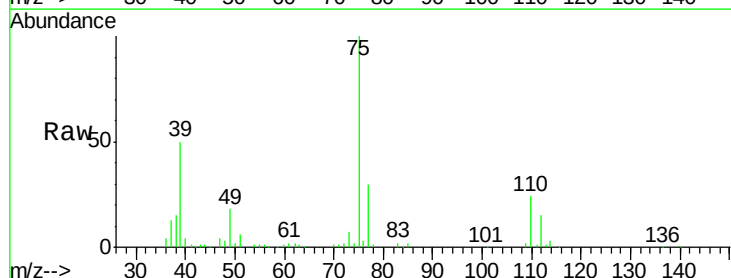
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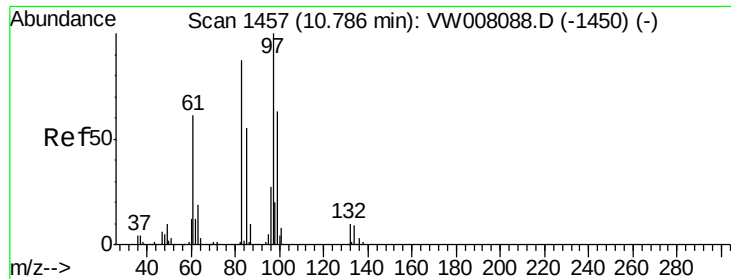
MMDadoda
1/11/2019 2:28:09 PM



#54
cis-1,3-Dichloropropene
Concen: 20.374 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 75 Resp: 33802
Ion Ratio Lower Upper
75 100
77 30.2 25.2 37.8
39 49.1 41.4 62.0





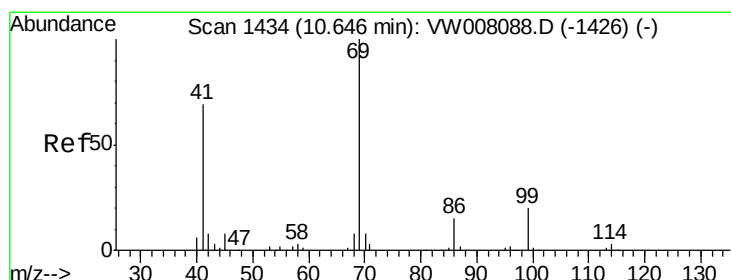
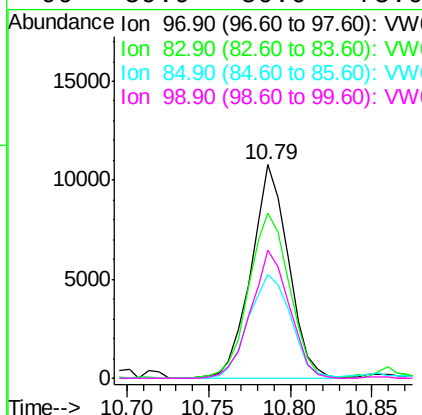
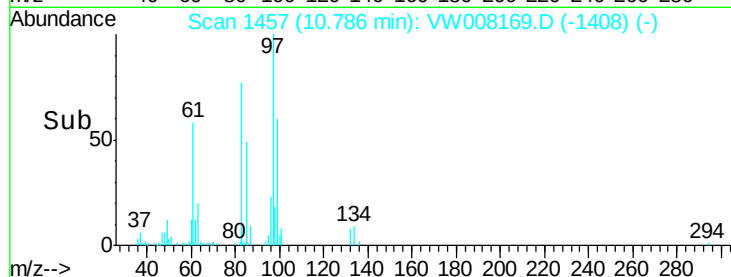
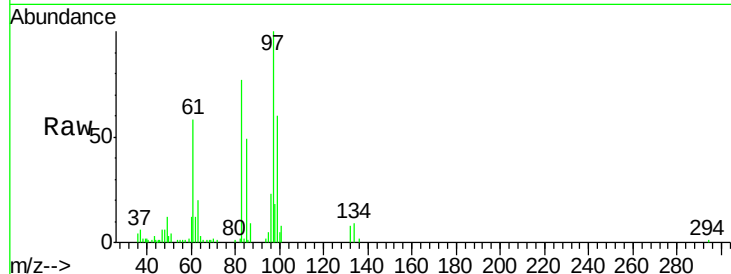
#55
 1,1,2-Trichloroethane
 Concen: 23.035 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion:	97	Resp:	17132
Ion	Ratio	Lower	Upper
97	100		
83	77.3	69.3	103.9
85	48.7	43.8	65.6
99	59.9	50.0	75.0

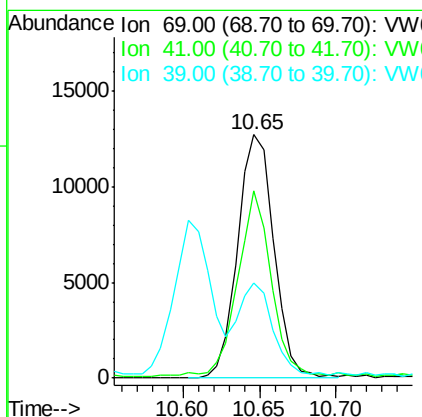
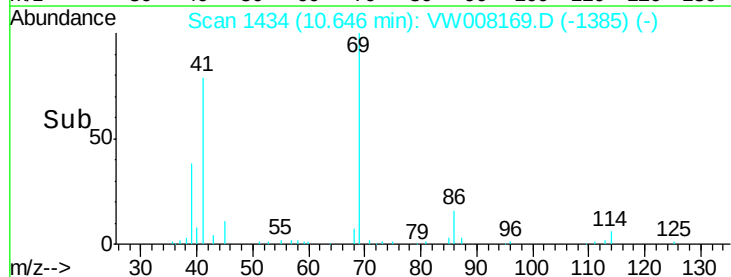
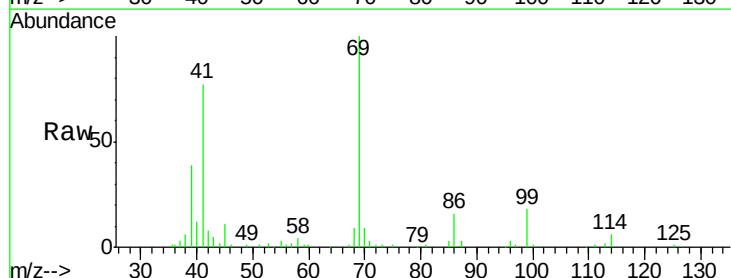
Manual Integrations
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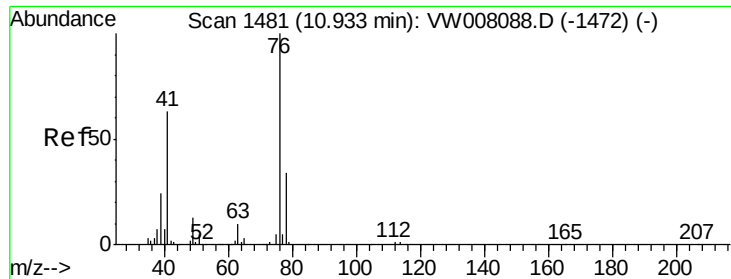
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#56
 Ethyl methacrylate
 Concen: 22.773 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion:	69	Resp:	20975
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.4	84.6
39	35.2	28.1	42.1





#57

1,3-Dichloropropane

Concen: 22.084 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion: 76 Resp: 30038

Ion Ratio Lower Upper

76 100

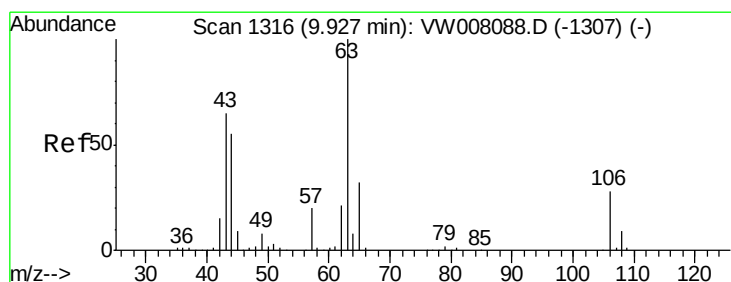
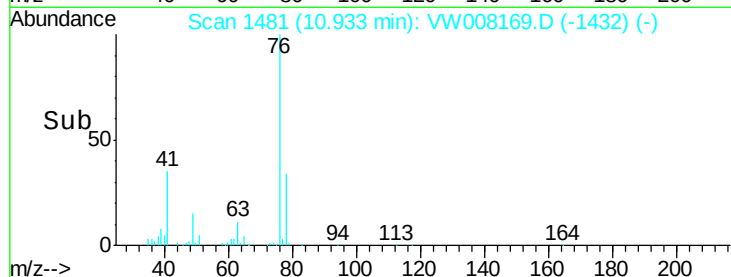
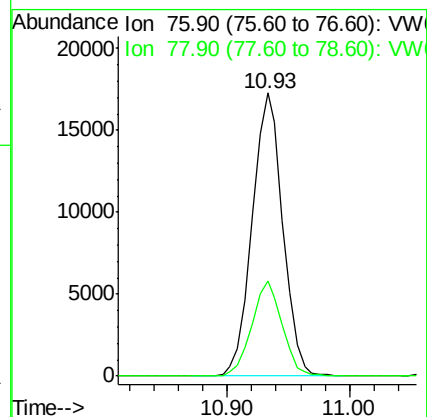
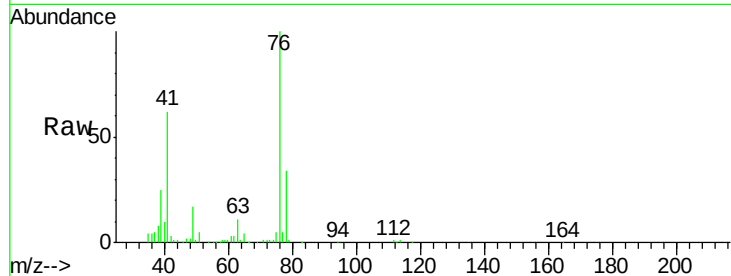
78 33.2 25.7 38.5

Manual Integrations

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1/11/2019 2:28:09 PM



#58

2-Chloroethyl Vinyl ether

Concen: 120.694 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008169.D

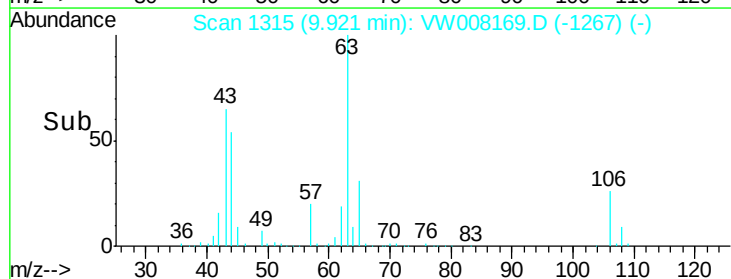
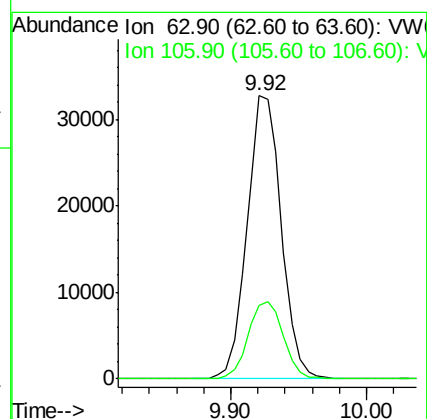
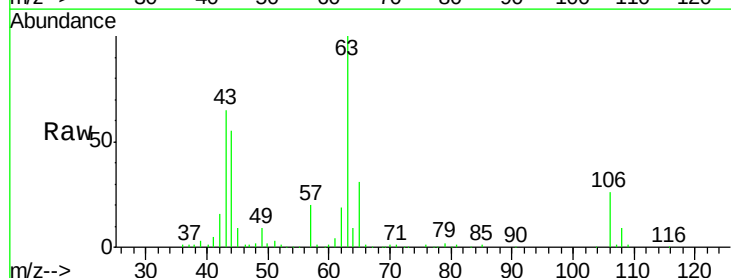
Acq: 11 Jan 2019 02:00

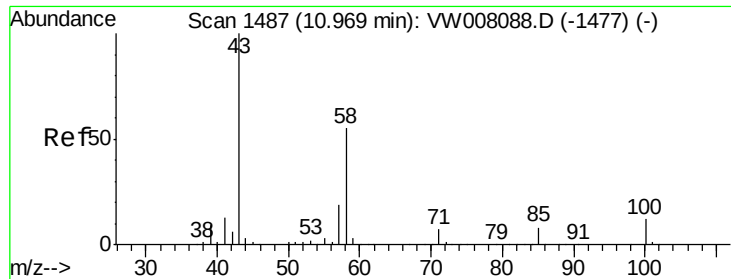
Tgt Ion: 63 Resp: 57422

Ion Ratio Lower Upper

63 100

106 28.0 21.8 32.6





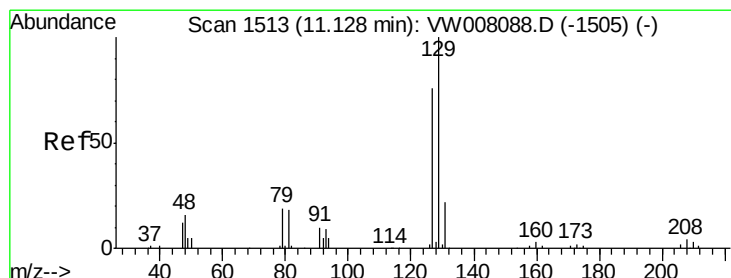
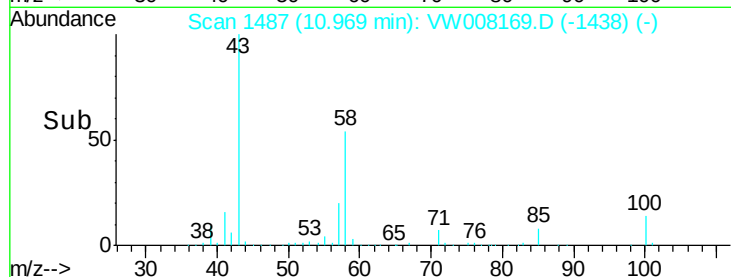
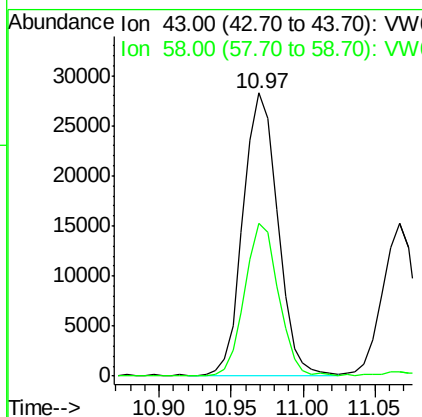
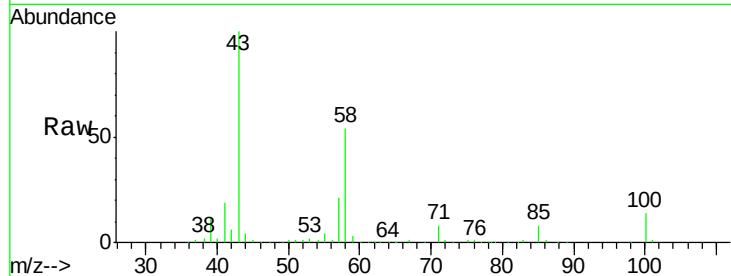
#59
2-Hexanone
Concen: 112.793 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion: 43 Resp: 47433
Ion Ratio Lower Upper
43 100
58 52.5 27.2 81.5

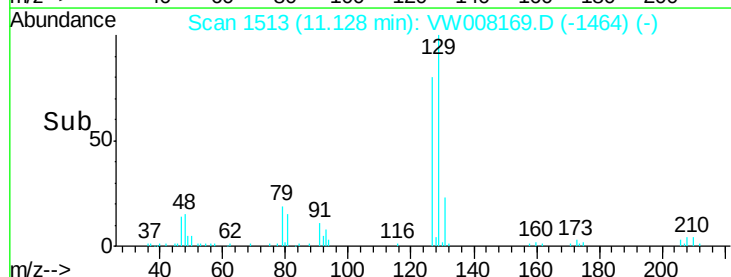
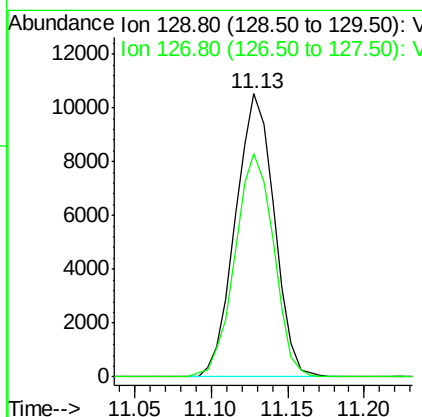
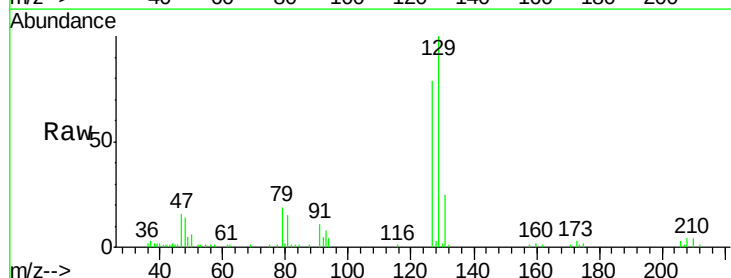
Manual Integrations
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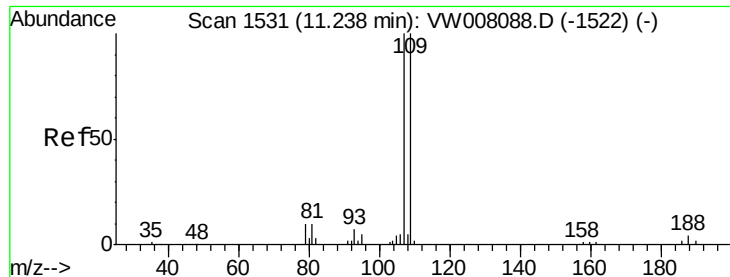
MMDadoda
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#60
Dibromochloromethane
Concen: 22.643 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 129 Resp: 18492
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.6





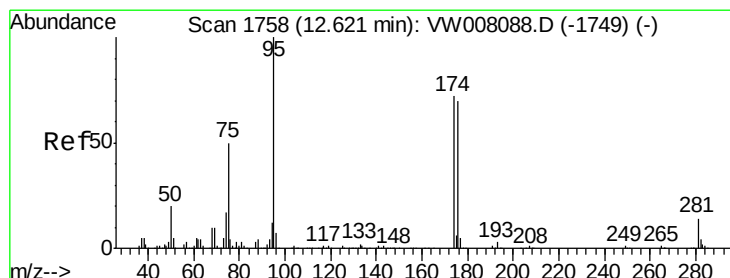
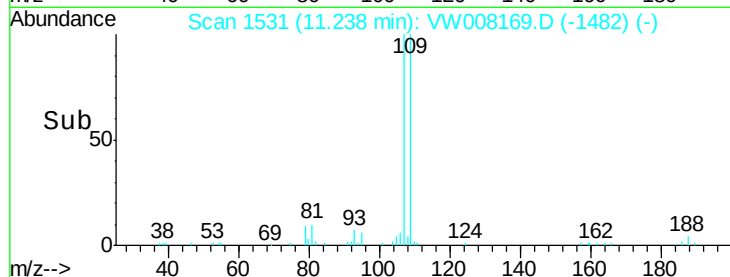
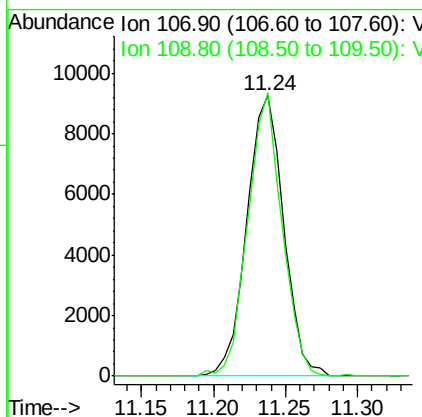
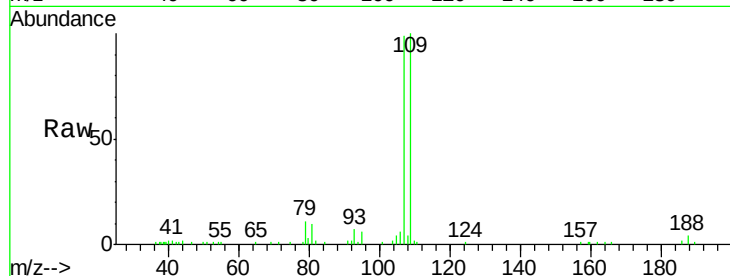
#61
 1,2-Dibromoethane
 Concen: 23.145 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.9	113.9

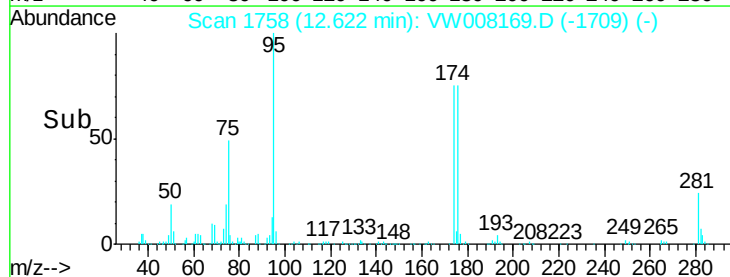
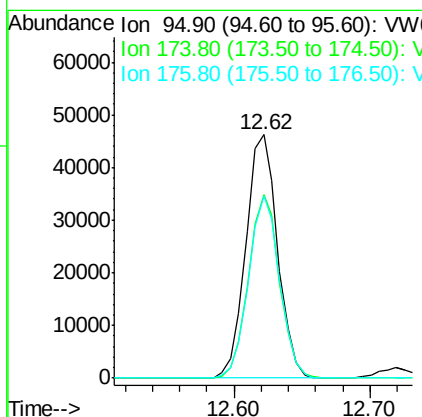
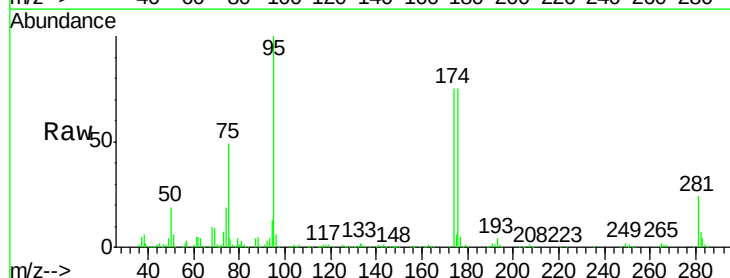
Manual Integrations
 APPROVED

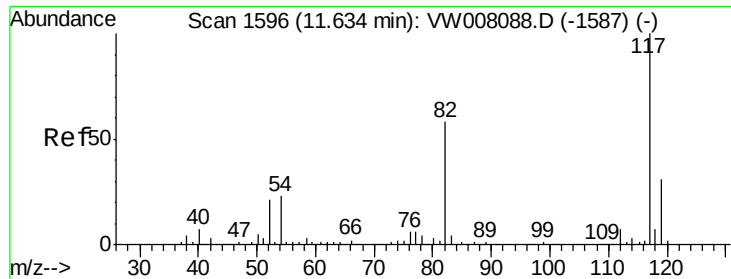
MMDadoda
 1/11/2019 2:28:09 PM



#62
 4-Bromofluorobenzene
 Concen: 55.090 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	143.0
176	73.3	0.0	140.2





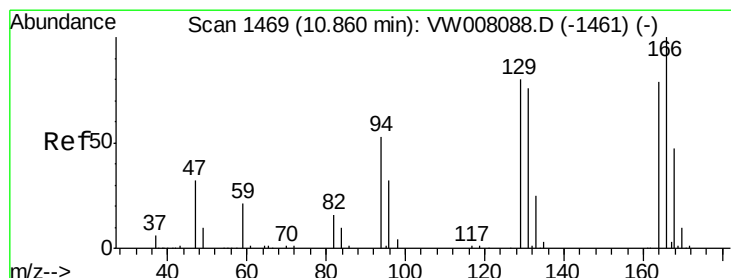
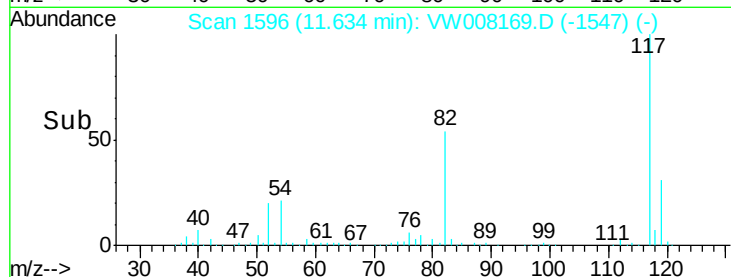
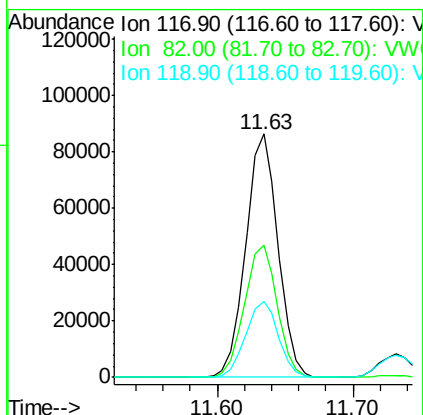
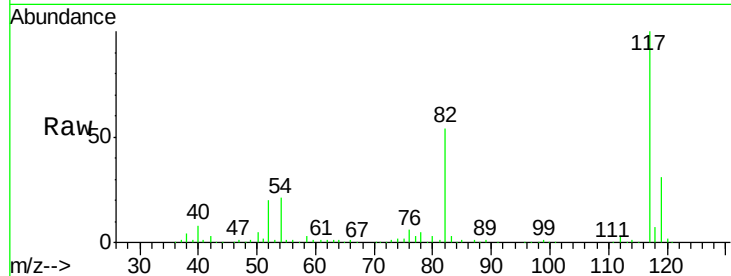
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	46.4	69.6
119	31.2	24.7	37.1

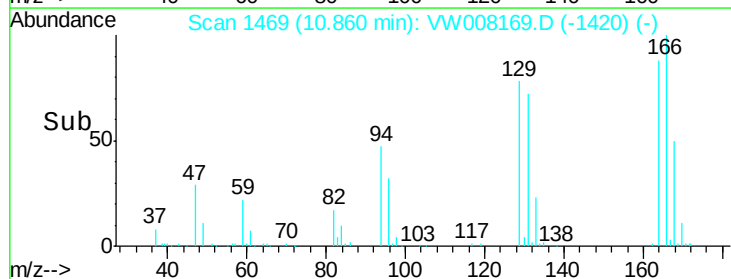
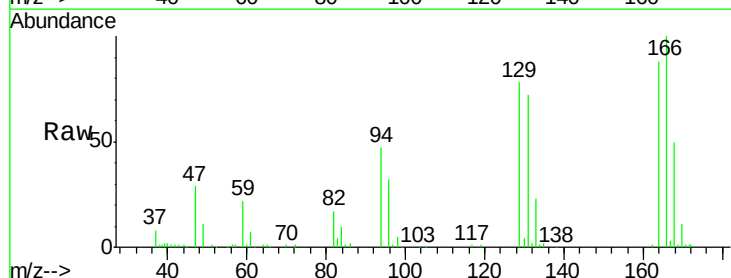
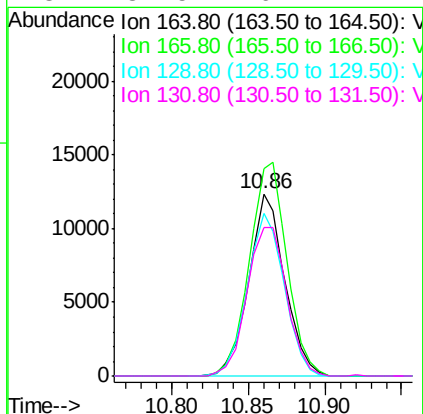
Manual Integrations
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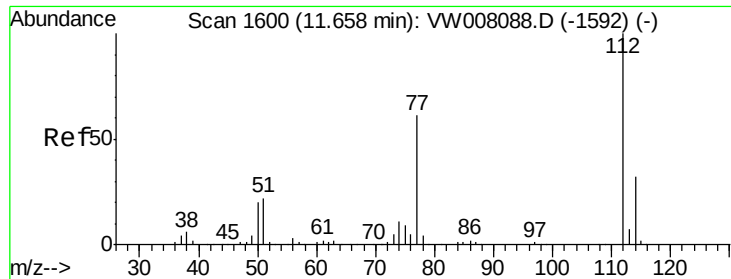
MMDadoda
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#64
Tetrachloroethene
Concen: 21.661 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.0	100.7	151.1
129	89.1	81.0	121.4
131	81.5	76.1	114.1





#65

Chlorobenzene

Concen: 20.565 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion:112 Resp: 62486

Ion Ratio Lower Upper

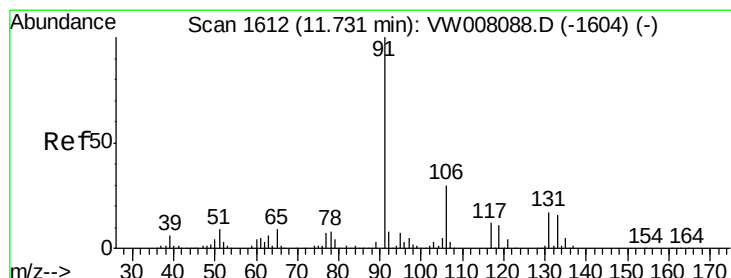
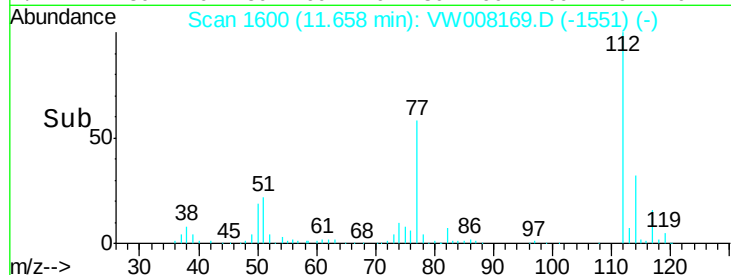
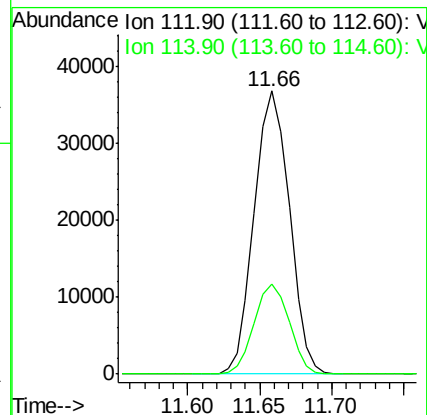
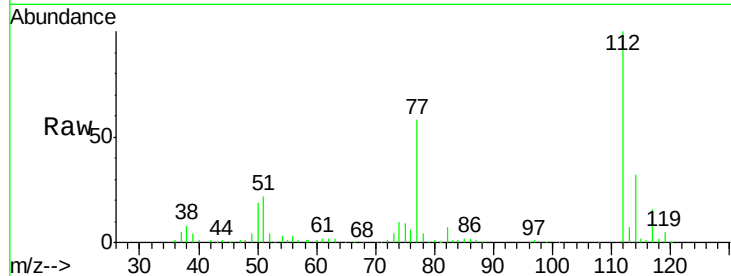
112 100

114 31.8 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.141 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

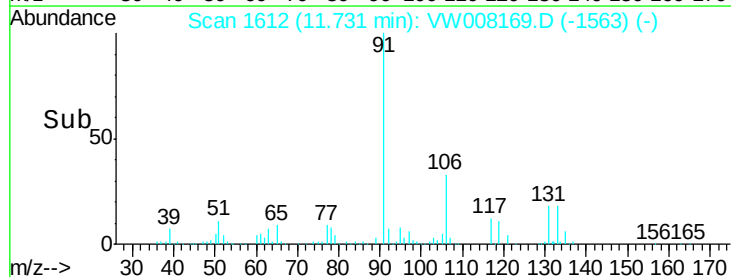
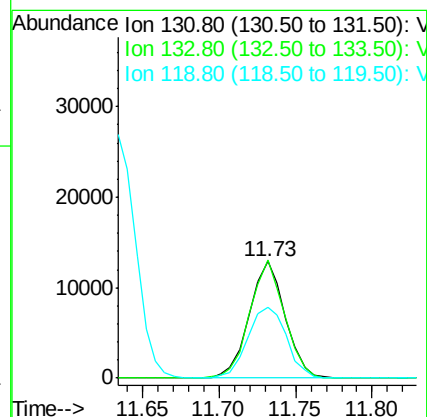
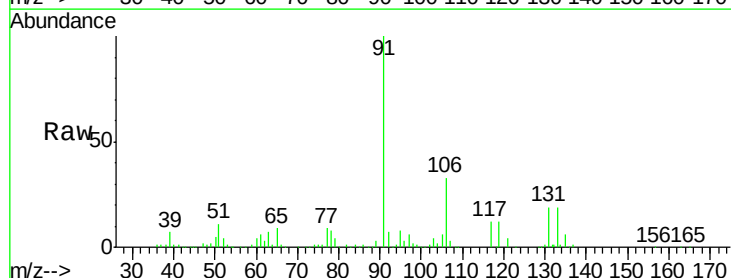
Tgt Ion:131 Resp: 20893

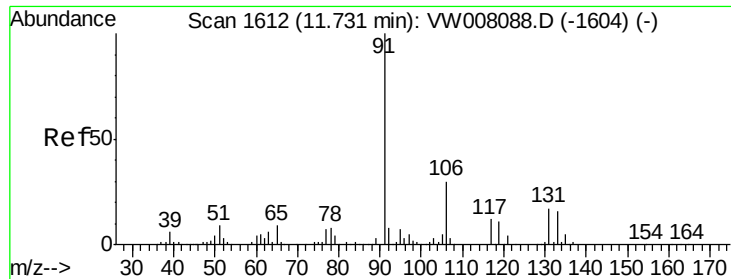
Ion Ratio Lower Upper

131 100

133 98.2 47.9 143.7

119 66.0 32.5 97.4





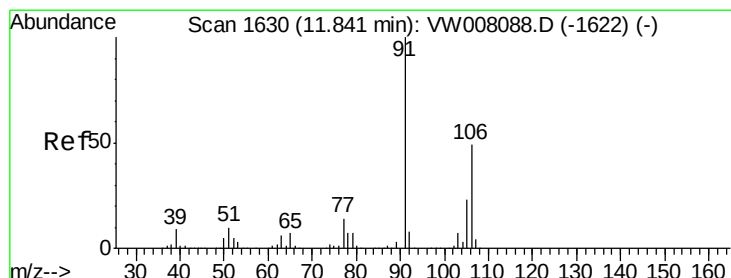
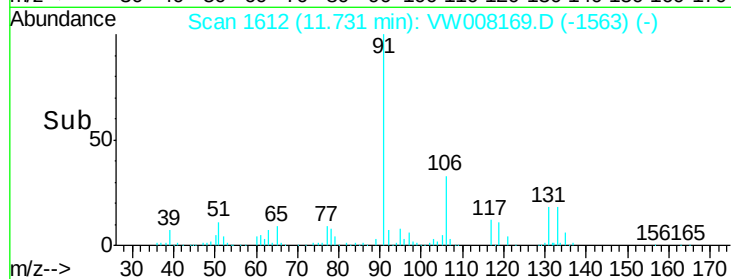
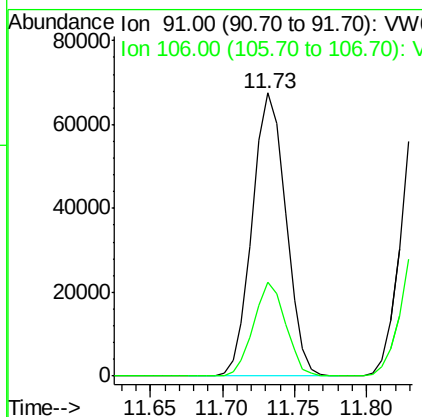
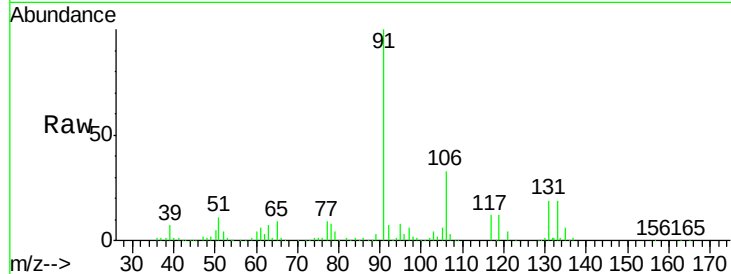
#67
Ethyl Benzene
Concen: 19.634 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion: 91 Resp: 109155
Ion Ratio Lower Upper
91 100
106 33.1 24.2 36.4

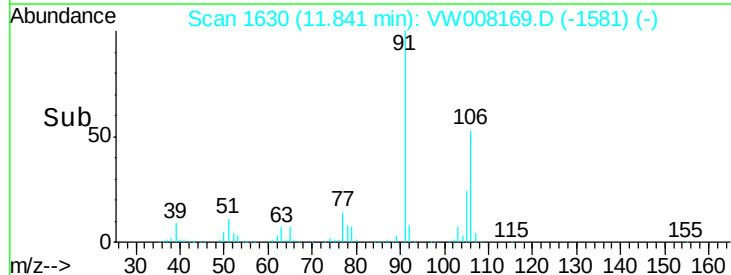
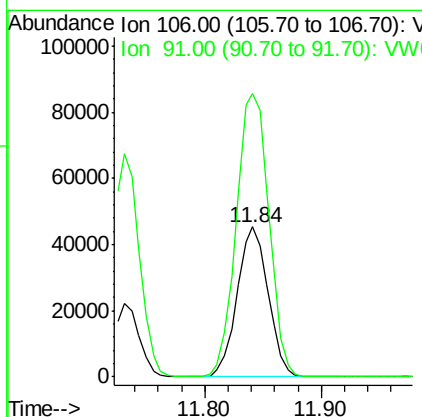
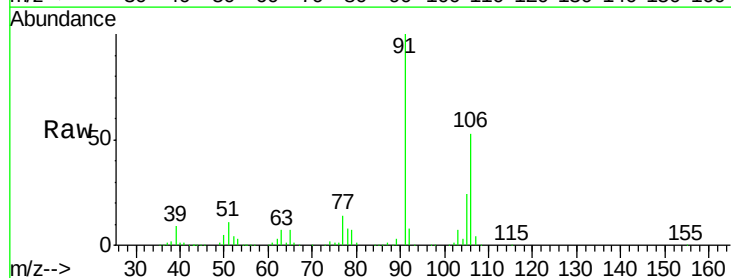
Manual Integrations
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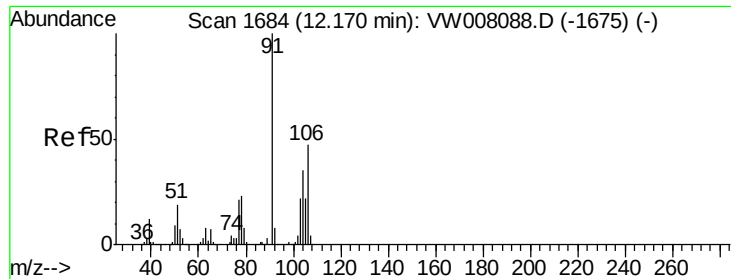
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1/11/2019 2:28:09 PM



#68
m/p-Xylenes
Concen: 39.788 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 106 Resp: 84430
Ion Ratio Lower Upper
106 100
91 198.4 162.4 243.6





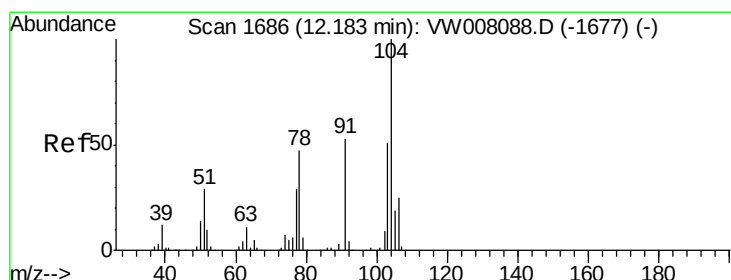
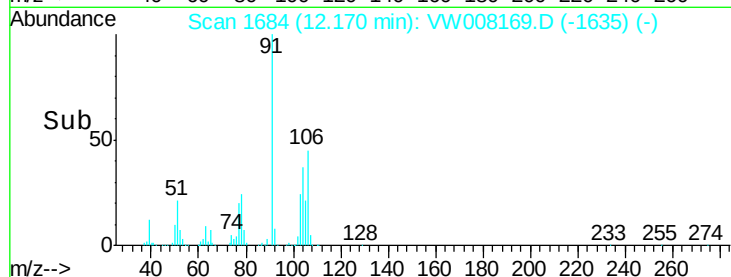
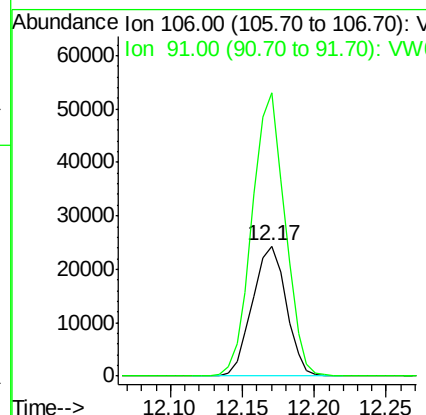
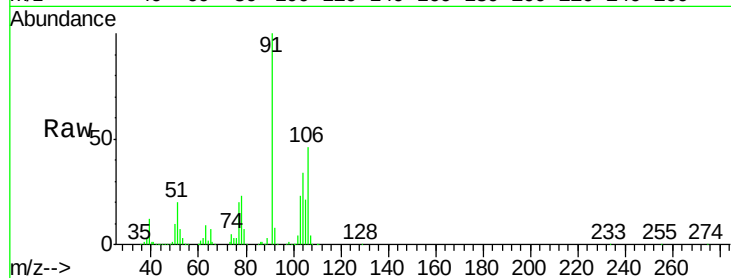
#69
o-Xylene
Concen: 20.151 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion:106 Resp: 39598
Ion Ratio Lower Upper
106 100
91 211.5 107.8 323.6

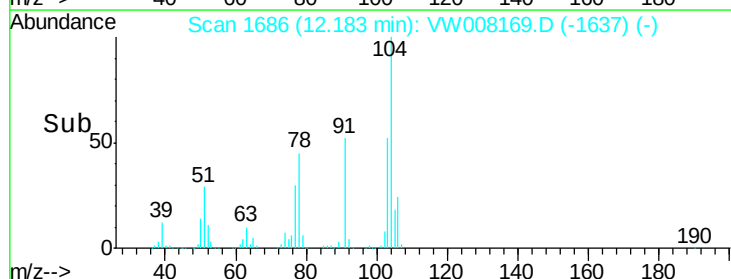
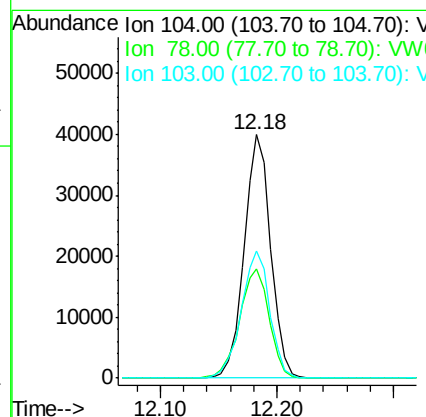
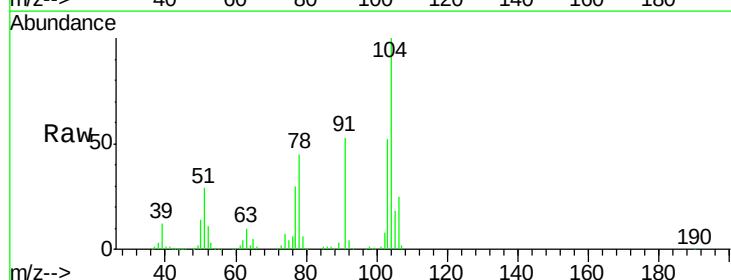
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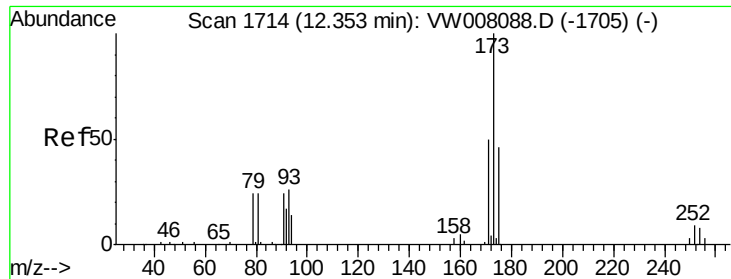
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#70
Styrene
Concen: 20.585 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion:104 Resp: 63359
Ion Ratio Lower Upper
104 100
78 50.3 41.8 62.8
103 56.4 43.8 65.8





#71

Bromoform

Concen: 22.948 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

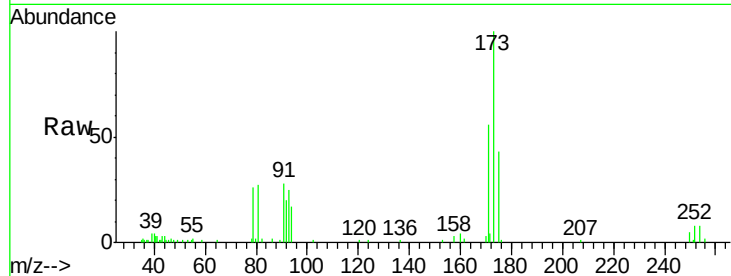
ClientSampleId :

VW0110SBSD02

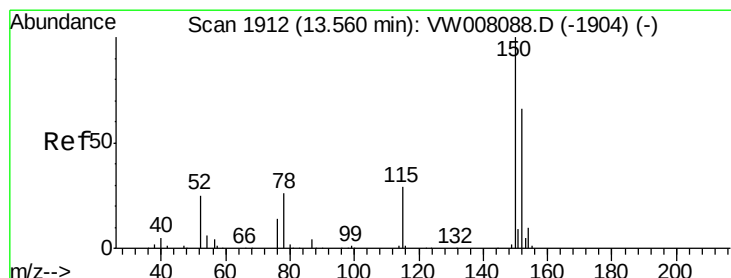
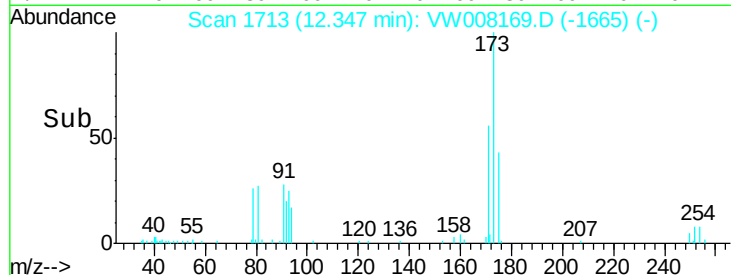
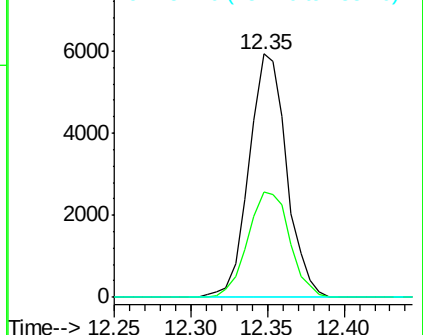
Tot Ion:	173	Resp:	10150
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.3	69.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

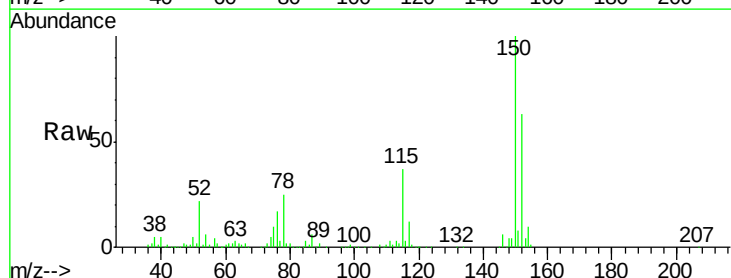
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

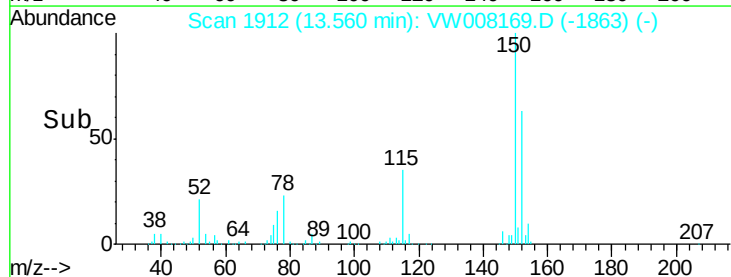
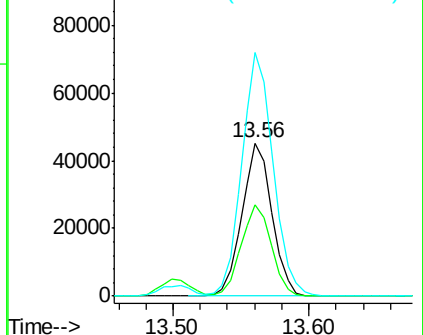
Lab File: VW008169.D

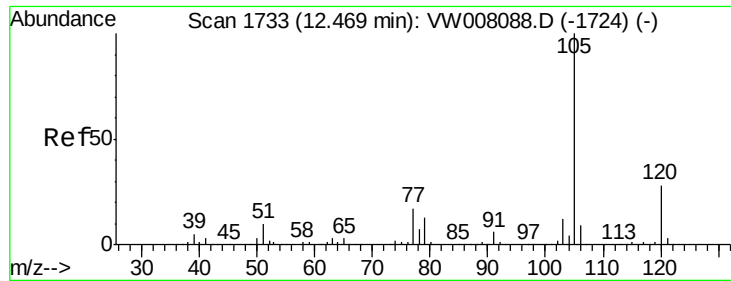
Acq: 11 Jan 2019 02:00

Tgt Ion:	152	Resp:	69331
Ion Ratio	Lower	Upper	
152	100		
115	59.9	30.8	92.4
150	166.8	0.0	350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





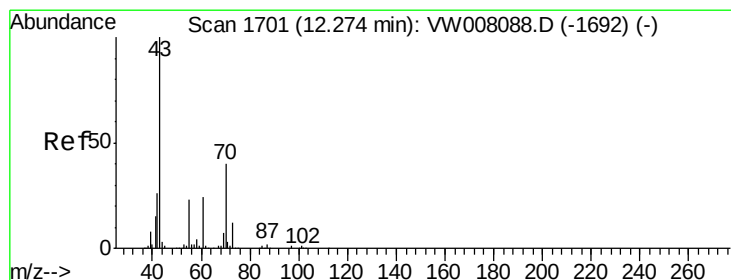
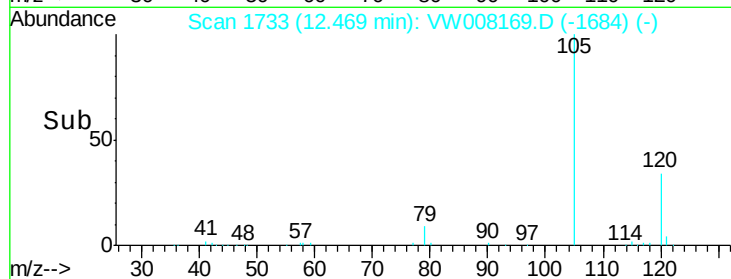
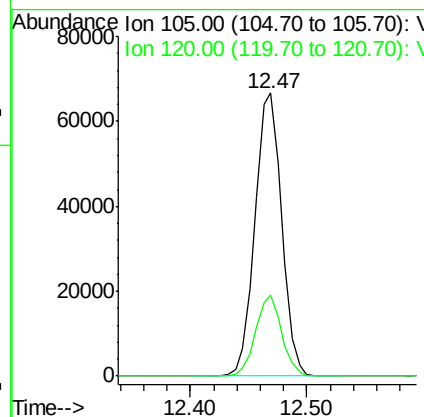
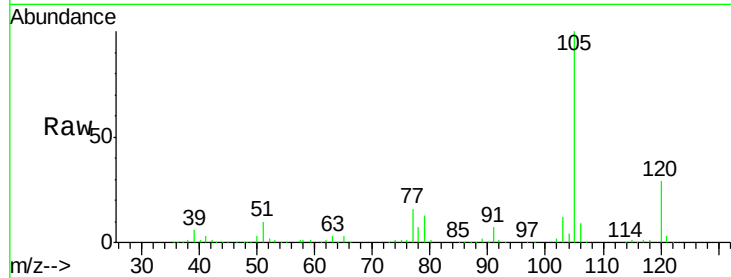
#73
Isopropylbenzene
Concen: 19.558 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion: 105 Resp: 106459
Ion Ratio Lower Upper
105 100
120 27.9 13.6 40.8

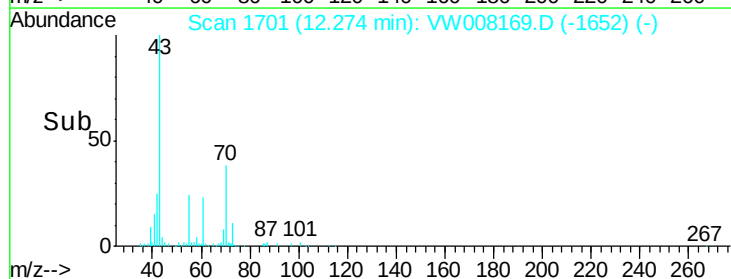
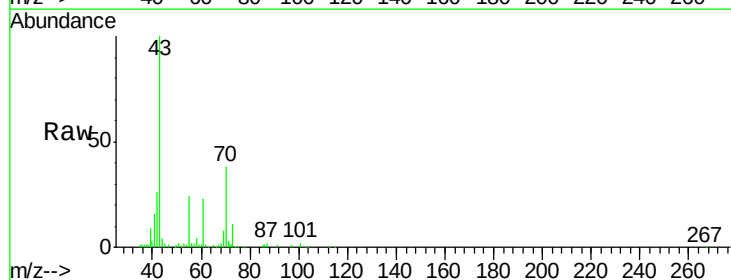
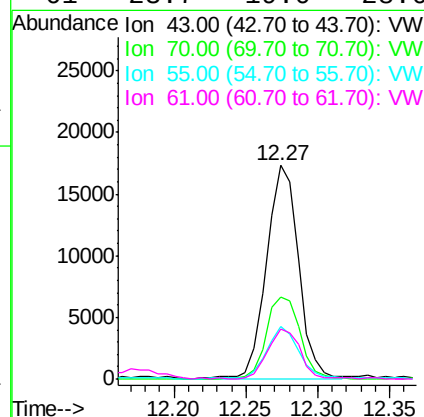
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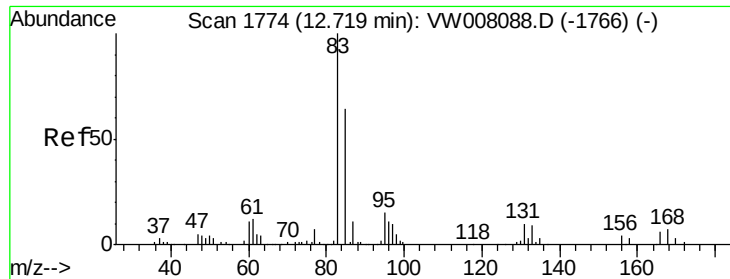
MMDadoda
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#74
N-ethyl acetate
Concen: 22.219 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion: 43 Resp: 26783
Ion Ratio Lower Upper
43 100
70 40.1 32.4 48.6
55 24.8 18.7 28.1
61 23.7 19.0 28.6





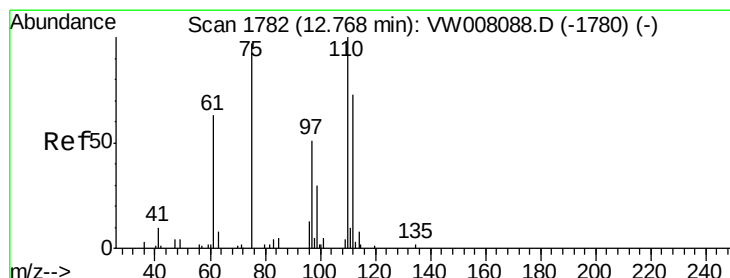
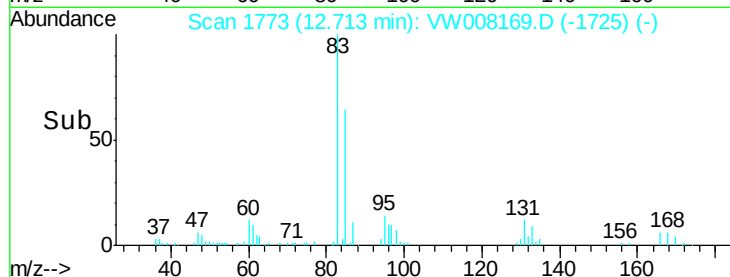
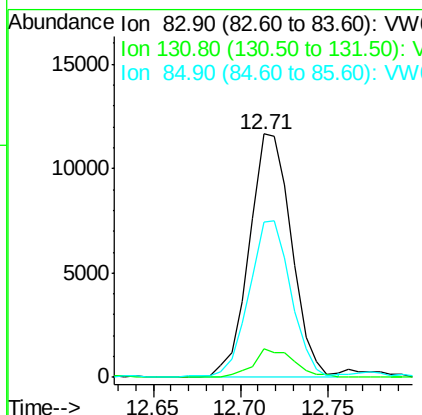
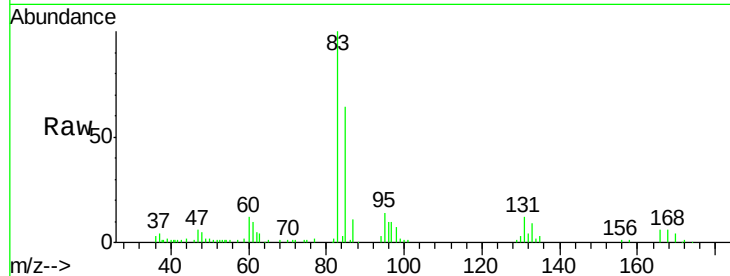
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.633 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion	83	Resp	19719
Ion Ratio	100	Lower	Upper
83	100		
131	11.4	5.3	16.1
85	64.3	32.4	97.2

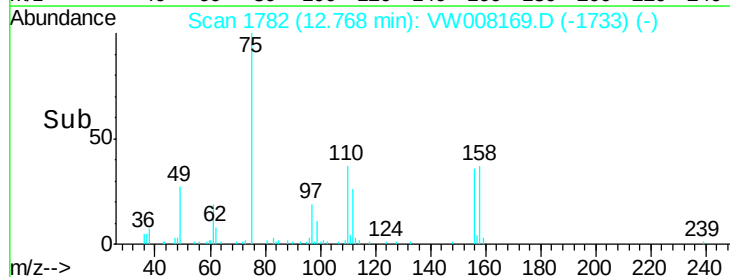
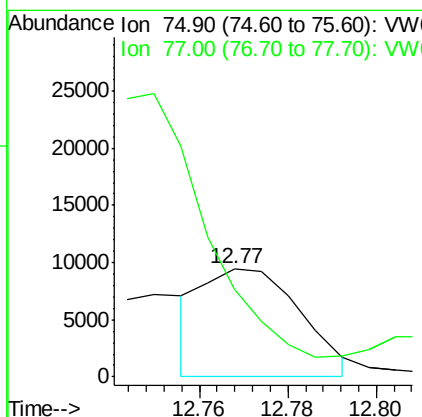
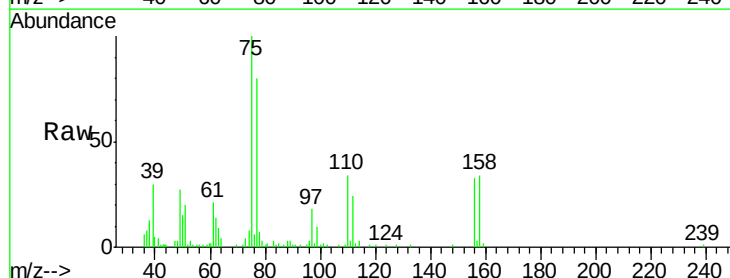
Manual Integrations
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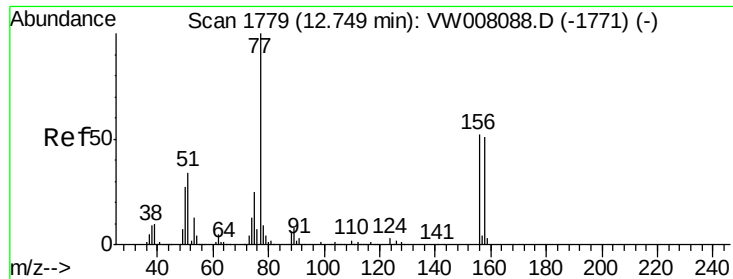
MMDadoda
 1/11/2019 2:28:09 PM



#76
 1,2,3-Trichloropropane
 Concen: 23.045 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion	75	Resp	14565
Ion Ratio	100	Lower	Upper
75	100		
77	322.4	179.4	538.2





#77

Bromobenzene

Concen: 20.407 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion:156 Resp: 23470

Ion Ratio Lower Upper

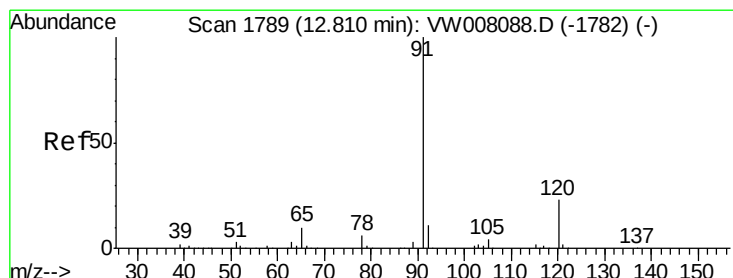
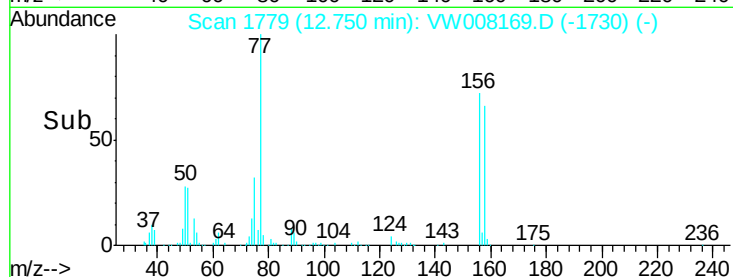
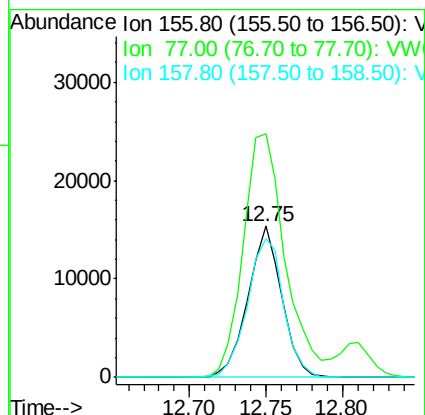
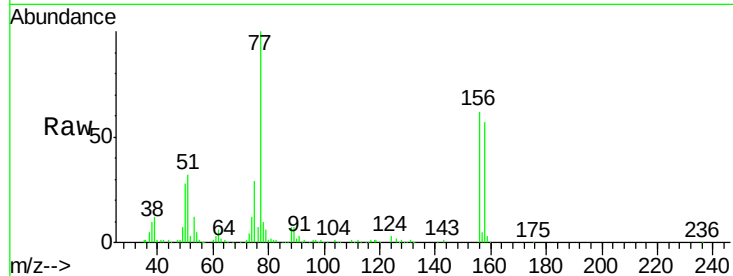
156 100

77 200.1 104.2 312.5

158 98.7 47.9 143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.571 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008169.D

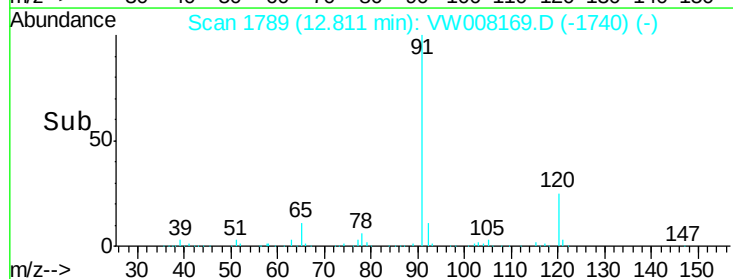
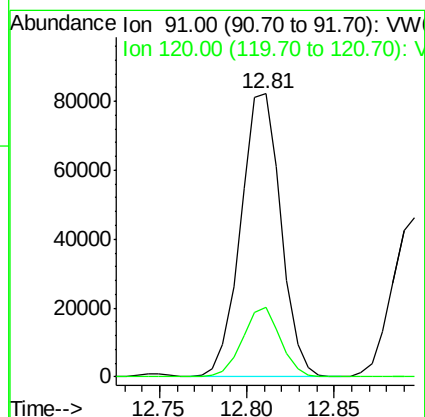
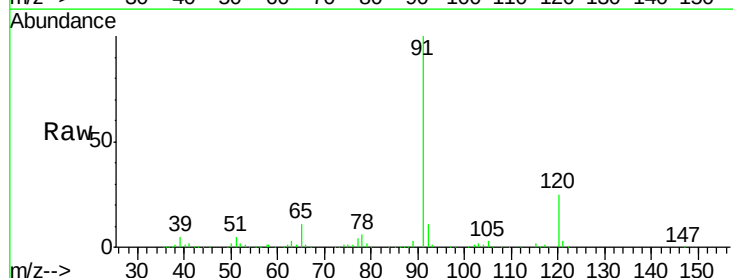
Acq: 11 Jan 2019 02:00

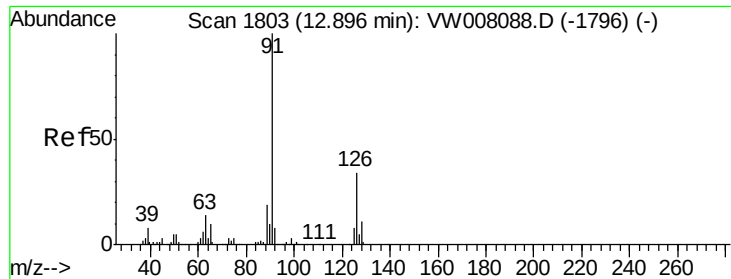
Tgt Ion: 91 Resp: 130526

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.8





#79

2-Chlorotoluene

Concen: 19.963 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampled :

VW0110SBSD02

Tot Ion: 91 Resp: 74281

Ion Ratio Lower Upper

91 100

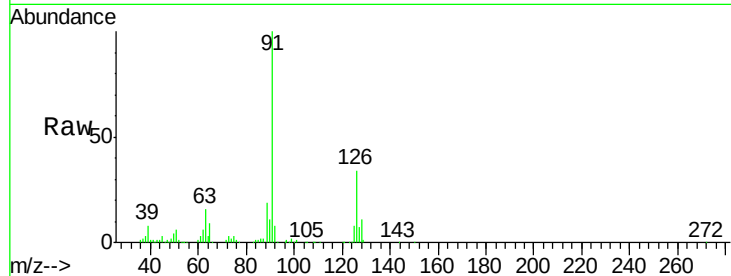
126 33.2 16.8 50.3

Manual Integrations

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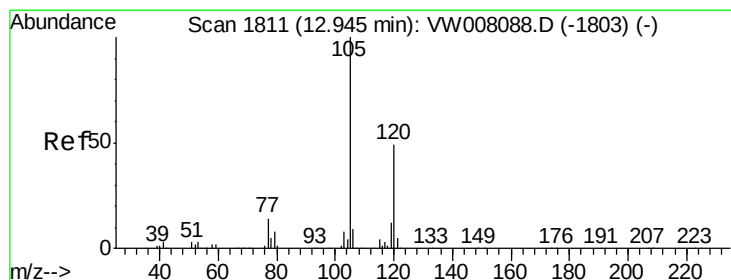
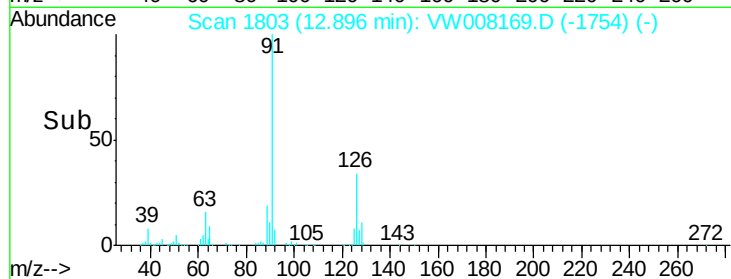
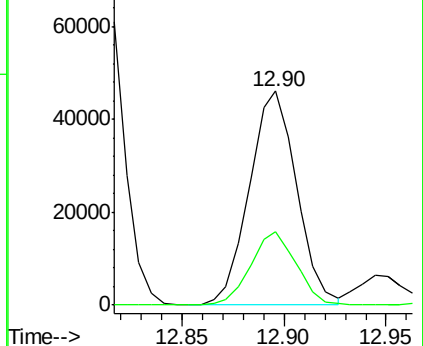
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.236 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008169.D

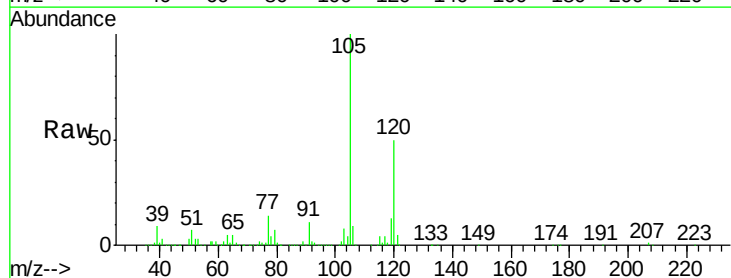
Acq: 11 Jan 2019 02:00

Tgt Ion:105 Resp: 90514

Ion Ratio Lower Upper

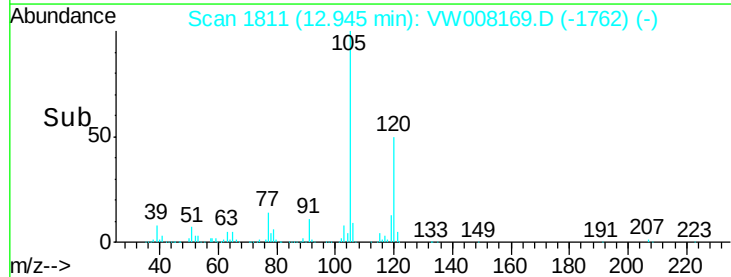
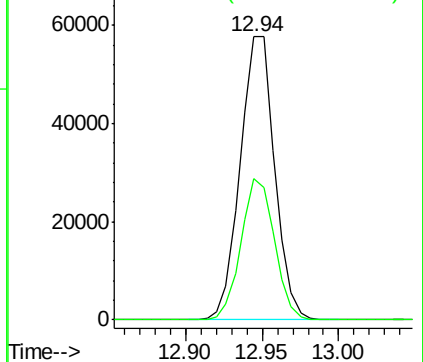
105 100

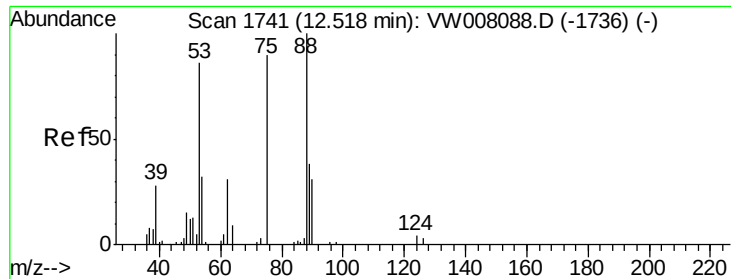
120 48.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





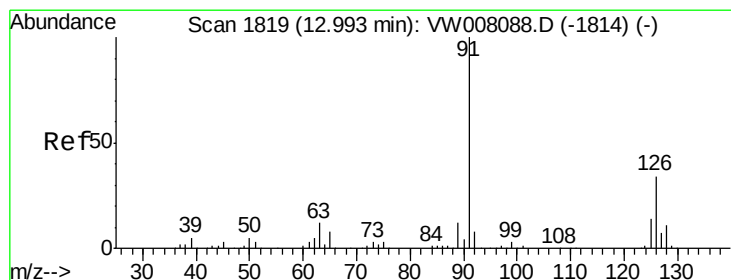
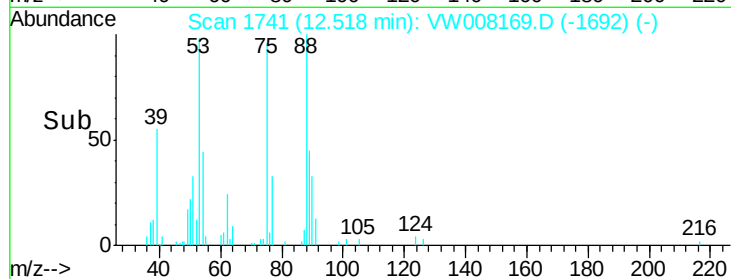
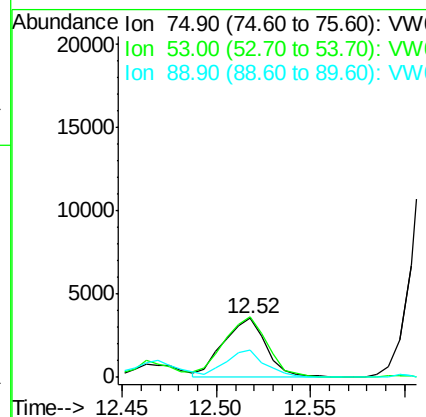
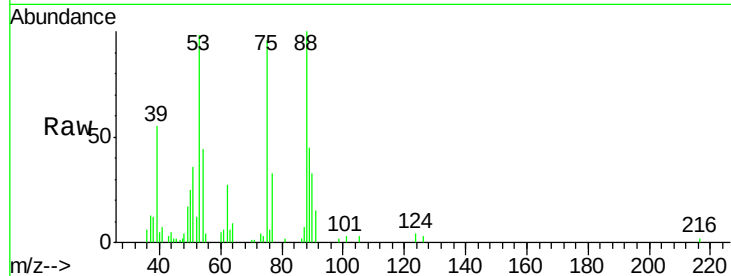
#81
trans-1,4-Dichloro-2-butene
Concen: 20.865 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	78.8	118.2
89	41.7	35.4	53.2

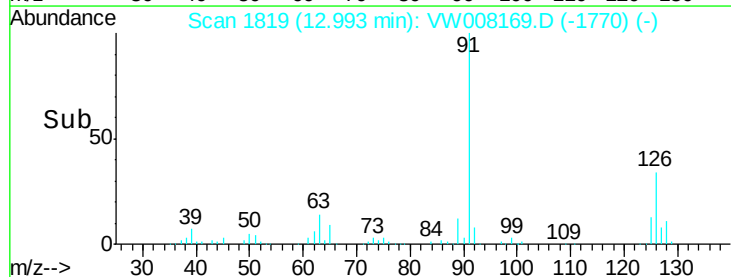
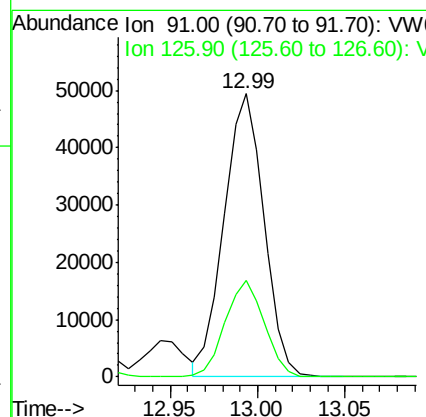
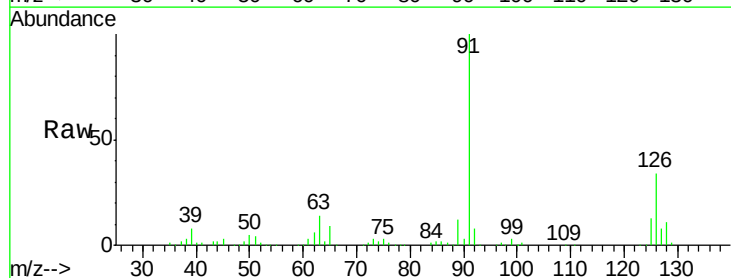
Manual Integrations
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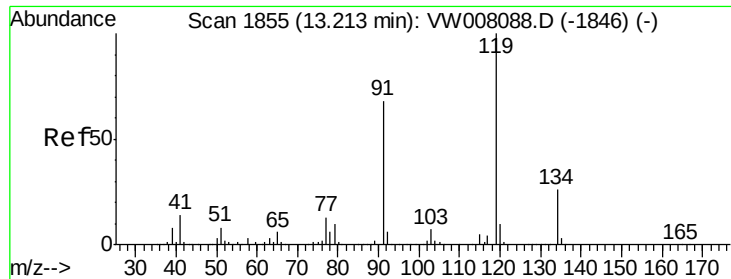
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#82
4-Chlorotoluene
Concen: 19.974 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.5	49.5





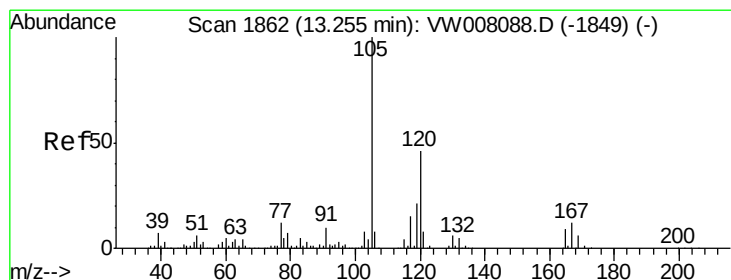
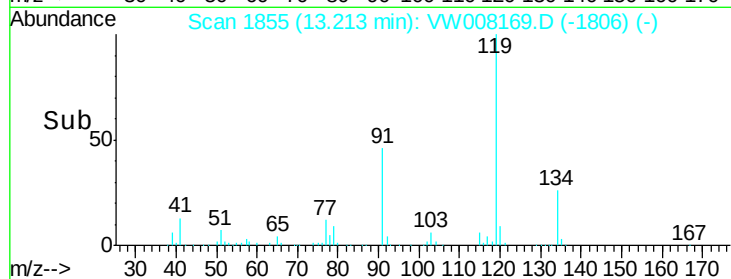
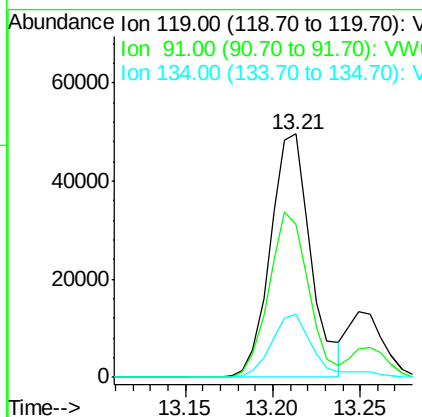
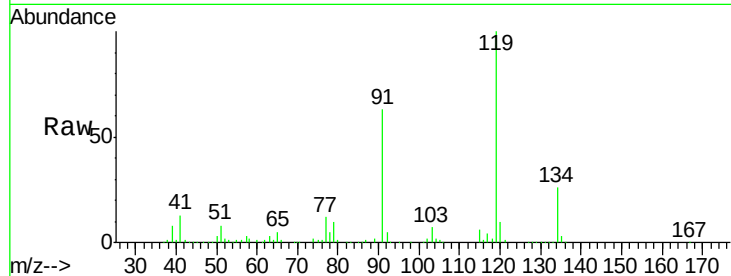
#83
 tert-Butylbenzene
 Concen: 20.166 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.9	101.6
134	27.6	13.6	40.8

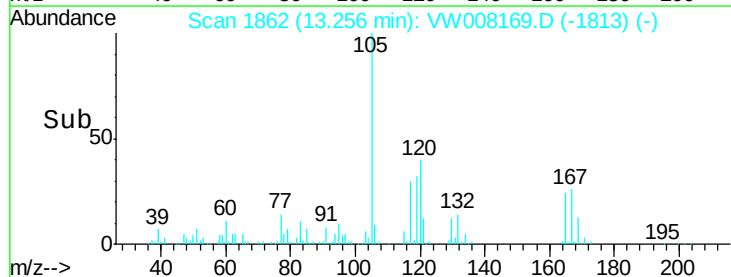
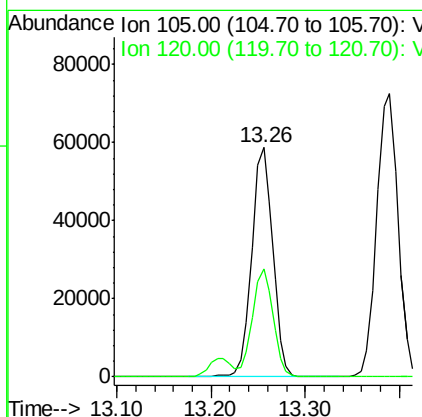
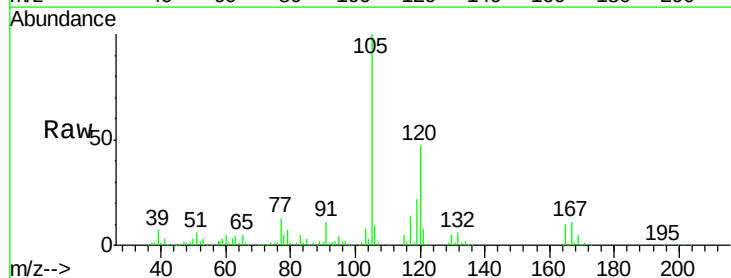
Manual Integrations
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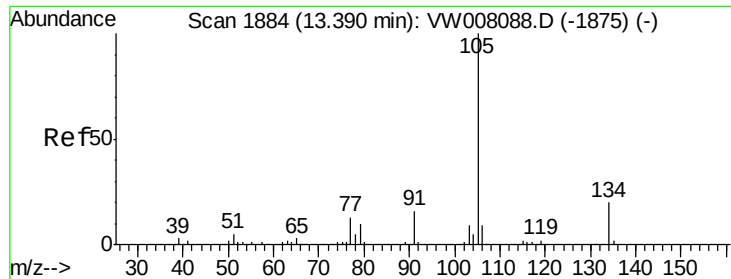
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.860 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.676 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

ClientSampleId :

VW0110SBSD02

Tot Ion:105 Resp: 114057

Ion Ratio Lower Upper

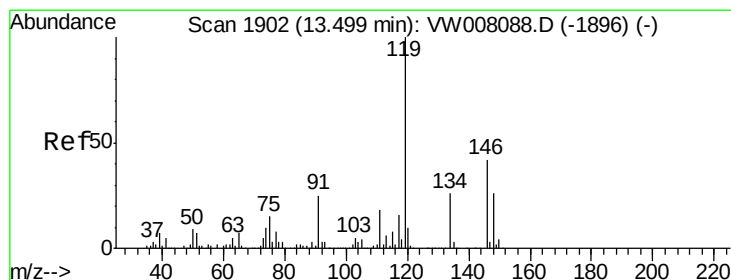
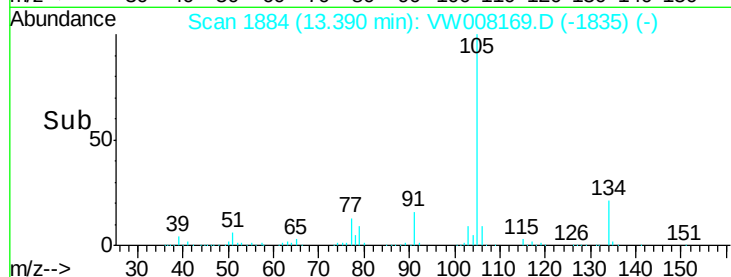
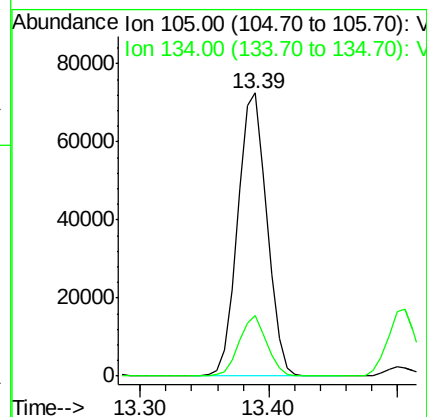
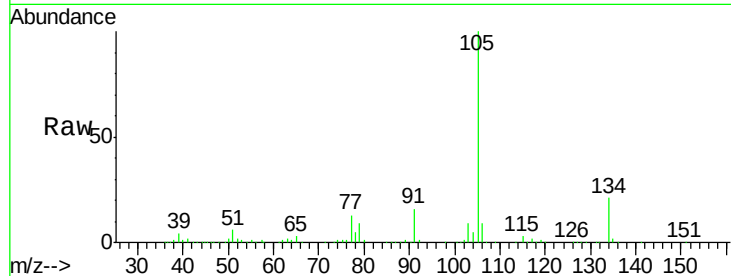
105 100

134 20.3 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.689 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

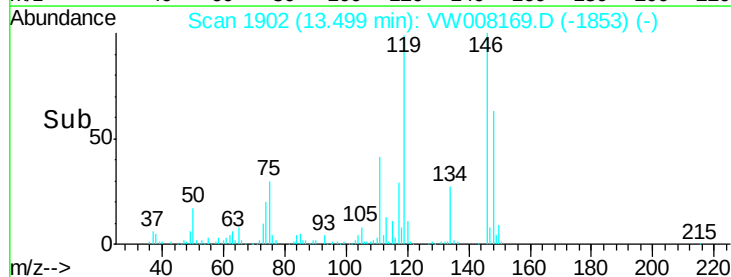
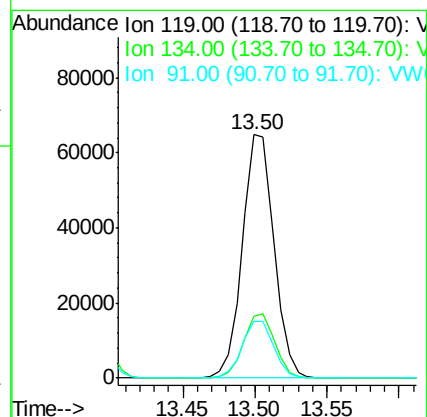
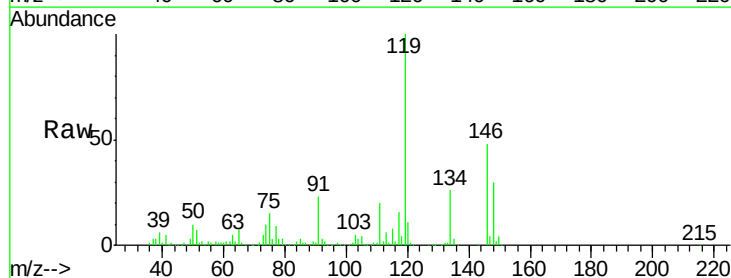
Tgt Ion:119 Resp: 98557

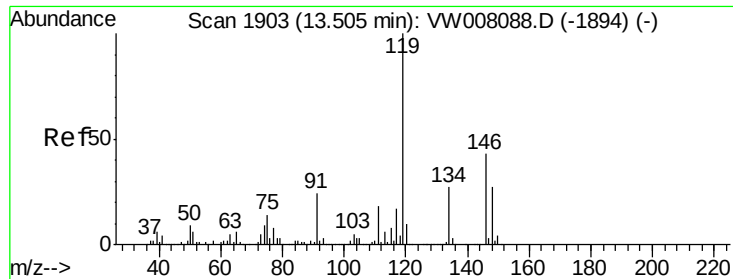
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 23.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.897 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

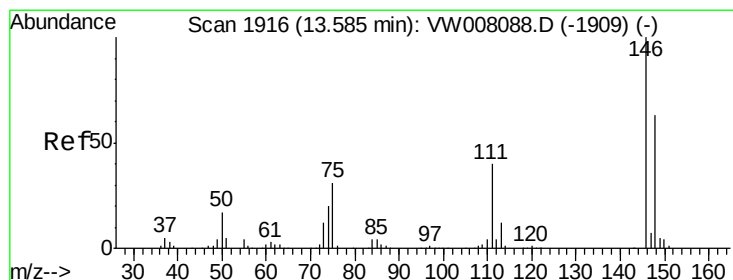
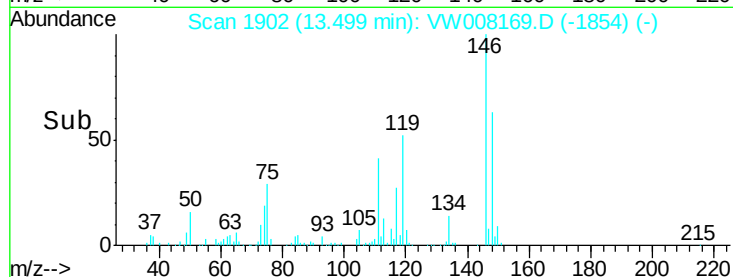
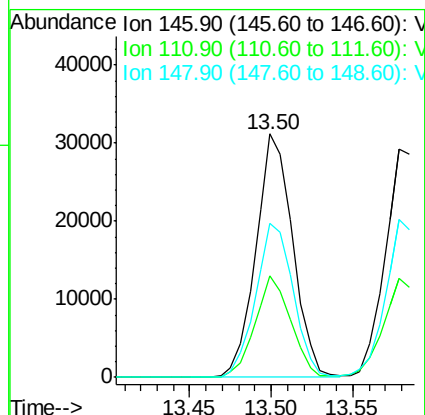
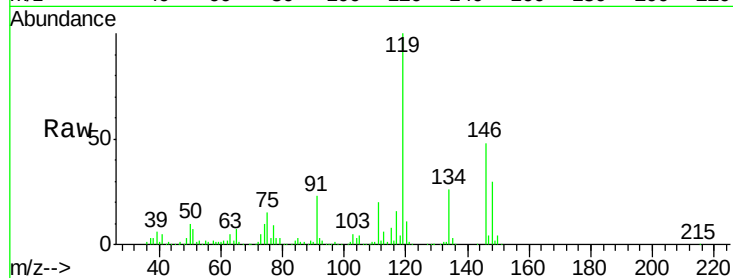
Instrument :
MSVOA_W

ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.1
148	64.6	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.490 ug/l

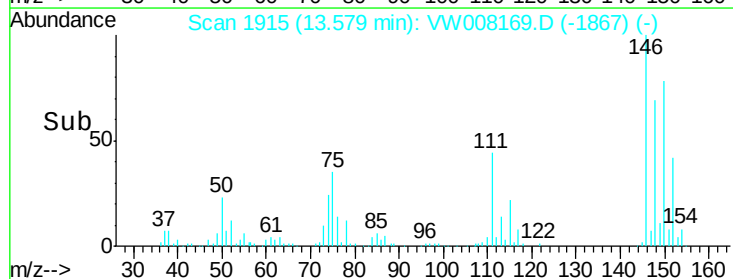
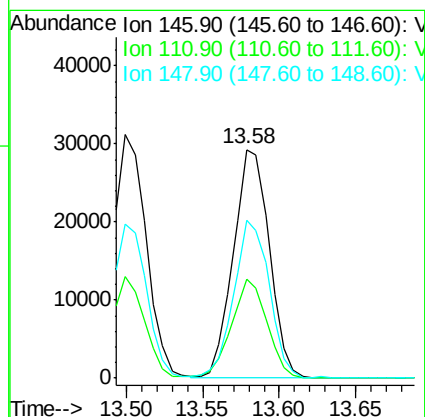
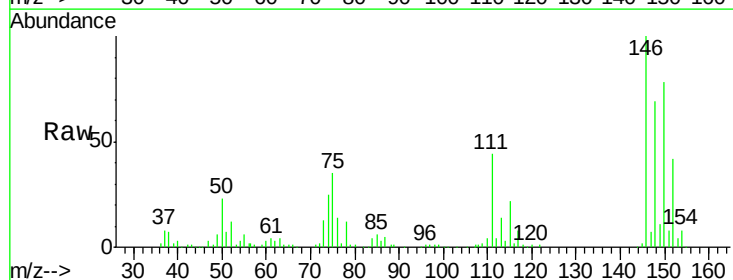
RT: 13.58 min Scan# 1915

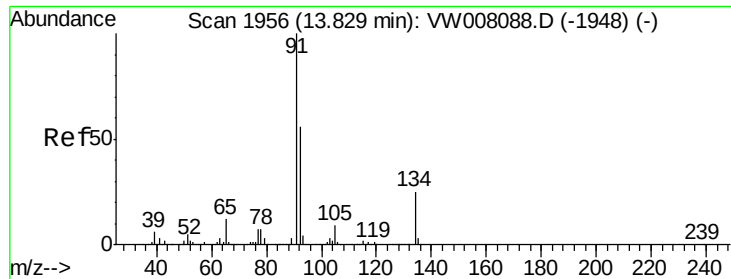
Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.5	61.5
148	68.0	31.6	94.8





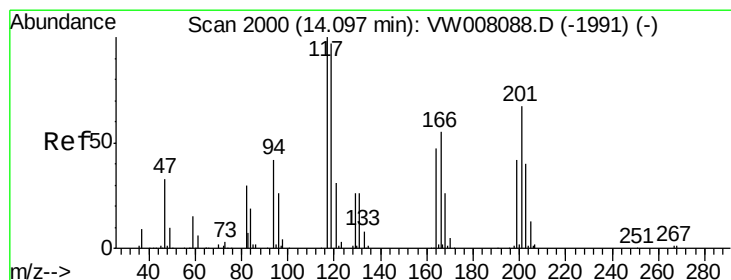
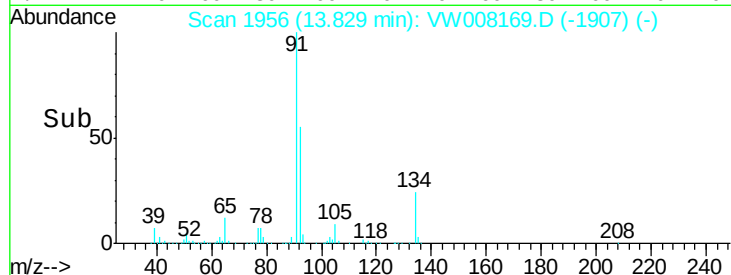
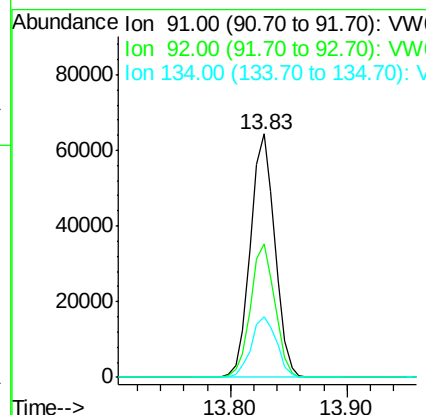
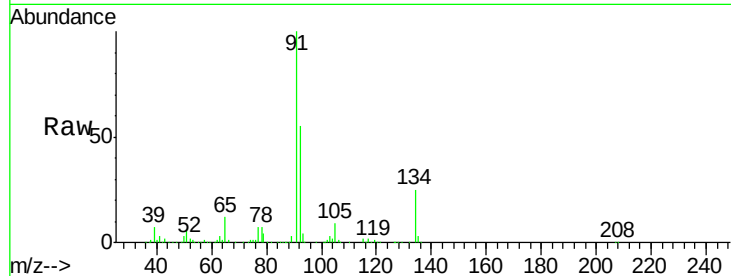
#89
n-Butylbenzene
Concen: 19.281 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		94529		
92	54.4	27.4	82.2		
134	25.7	12.6	37.8		

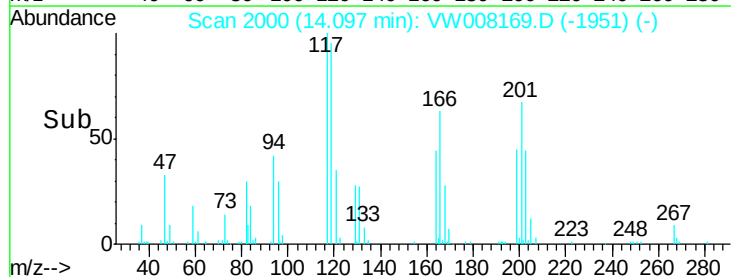
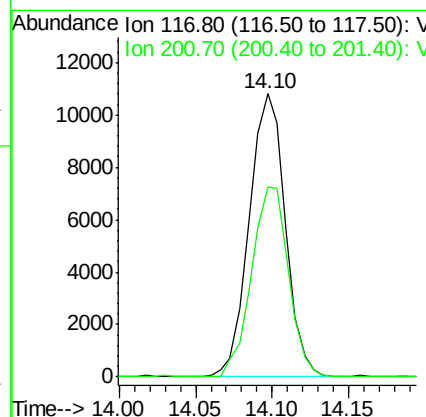
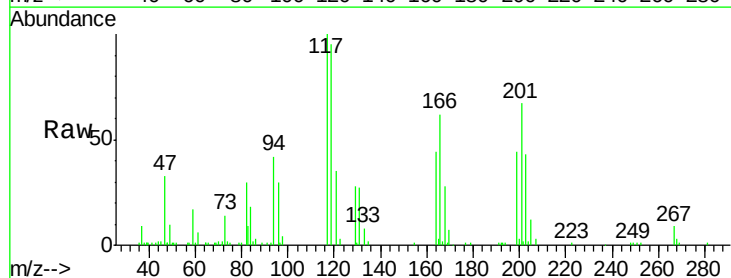
Manual Integrations
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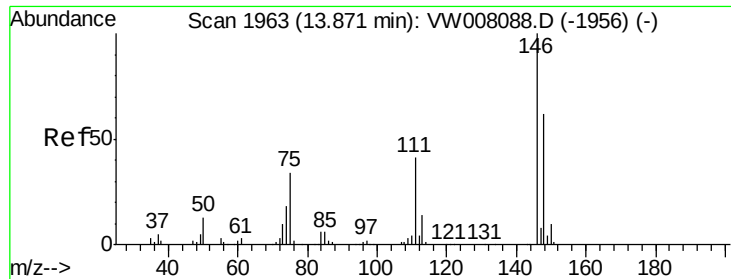
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#90
Hexachloroethane
Concen: 20.934 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		17699		
201	68.9	33.0	98.9		





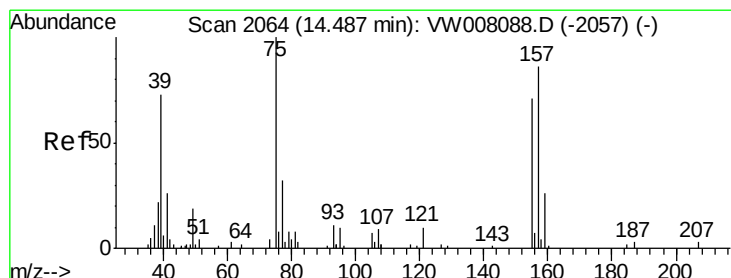
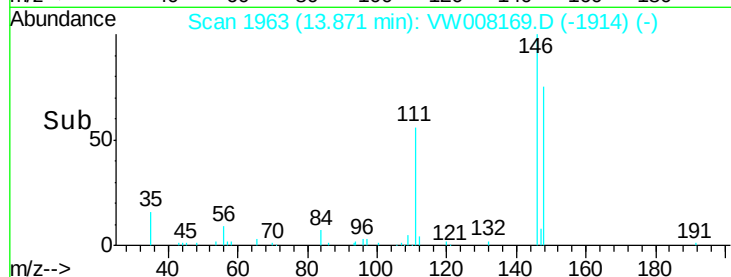
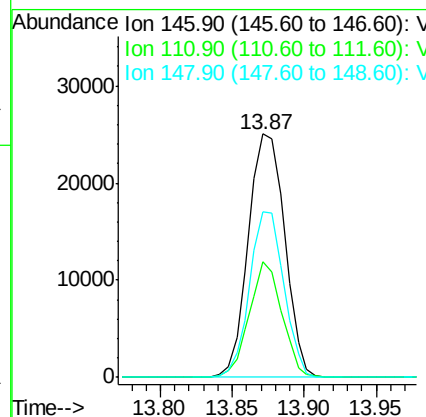
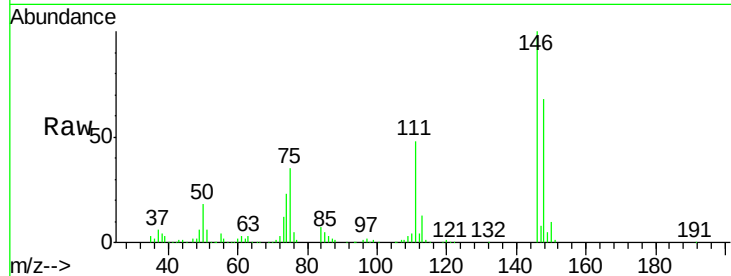
#91
 1,2-Dichlorobenzene
 Concen: 21.352 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.7
148	64.2	31.5	94.5

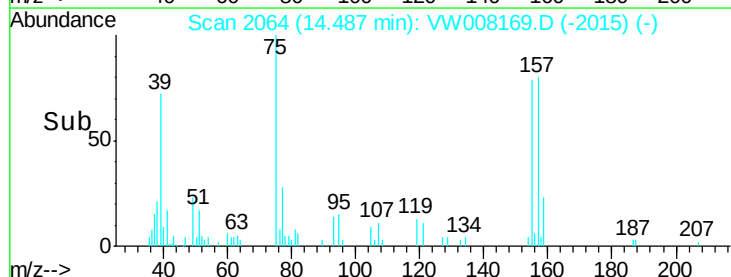
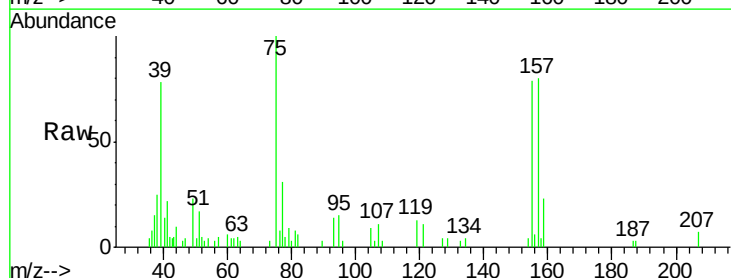
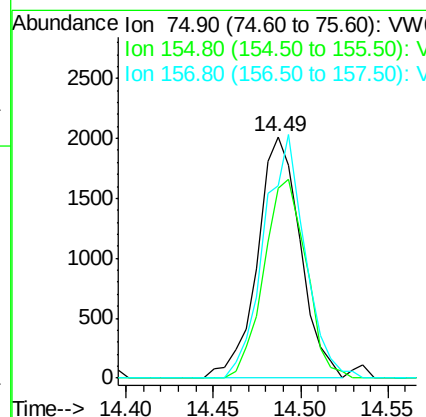
Manual Integrations
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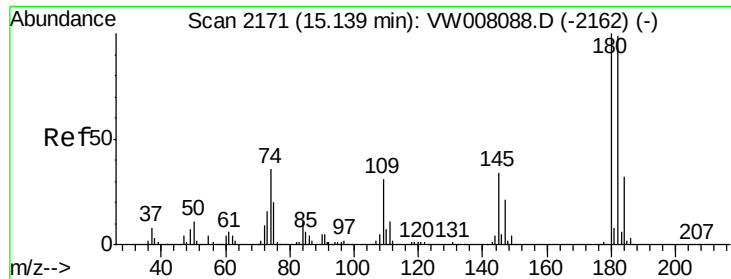
MMDadoda
 1/11/2019 2:28:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.570 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008169.D
 Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	38.6	115.7
157	96.0	47.5	142.6





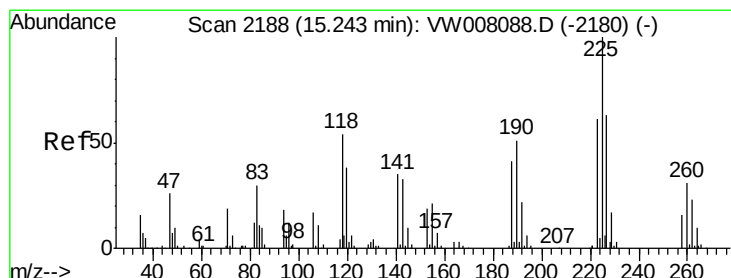
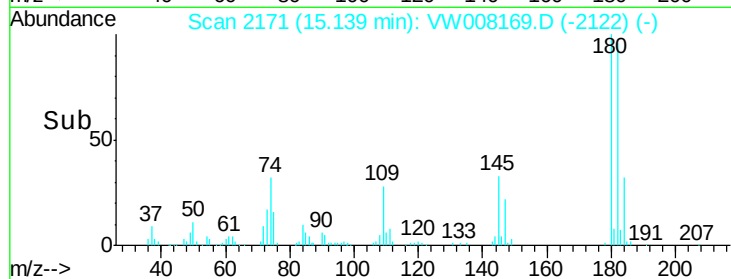
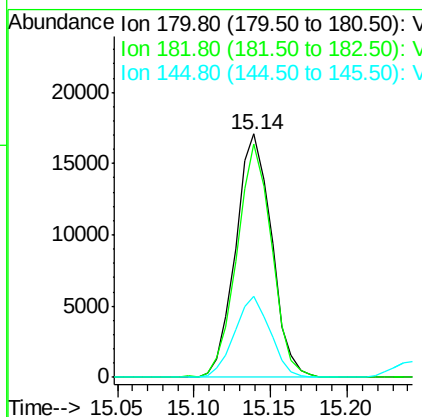
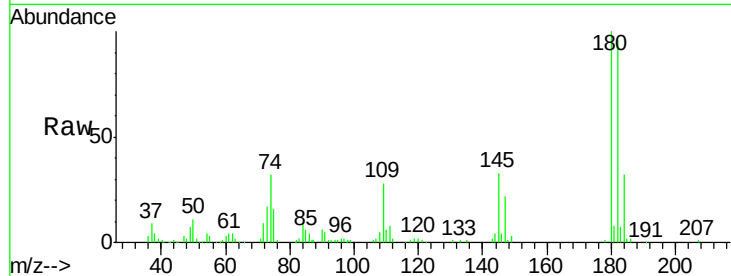
#93
1,2,4-Trichlorobenzene
Concen: 20.488 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Instrument :
MSVOA_W
ClientSampleId :
VW0110SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.6	145.9
145	33.1	16.6	49.7

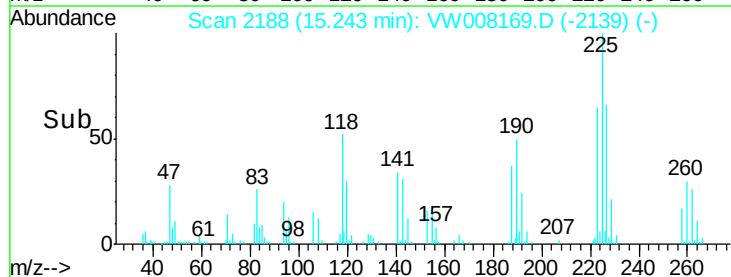
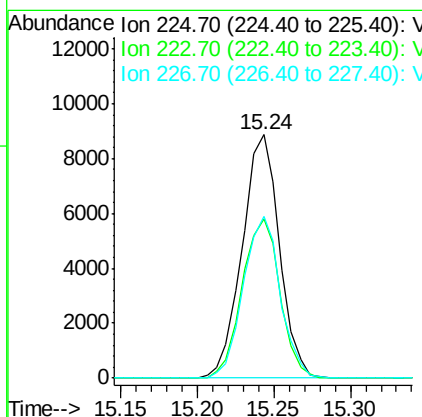
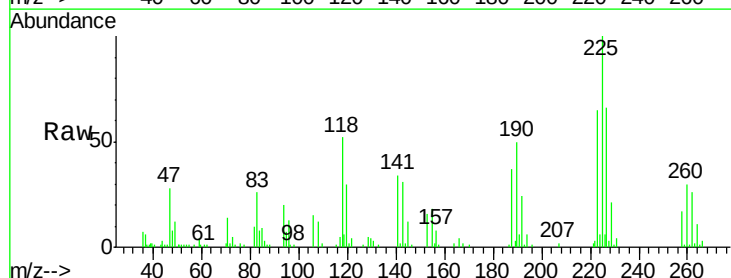
Manual Integrations
APPROVED

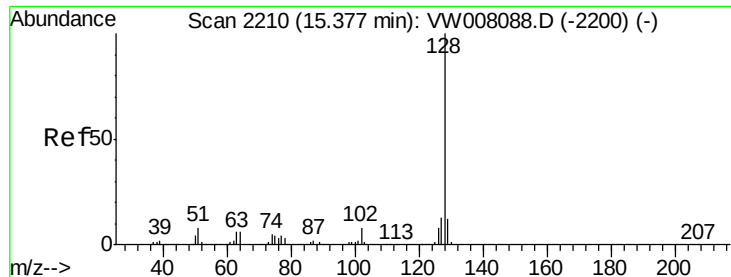
MMDadoda
1/11/2019 2:28:09 PM



#94
Hexachlorobutadiene
Concen: 20.561 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008169.D
Acq: 11 Jan 2019 02:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	31.4	94.3
227	65.6	32.0	96.2





#95

Naphthalene

Concen: 21.274 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Instrument :

MSVOA_W

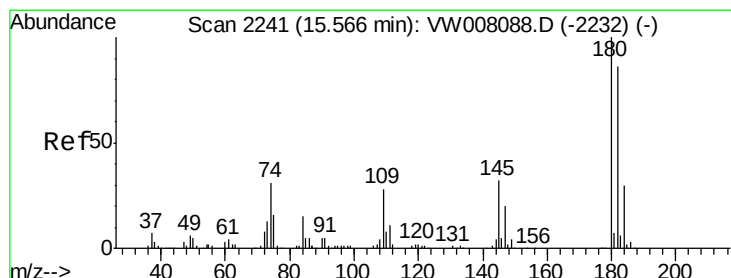
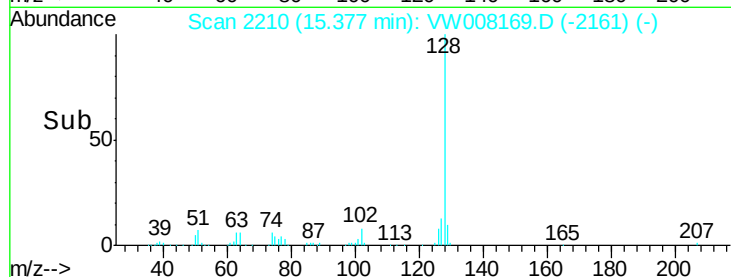
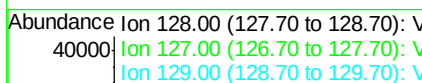
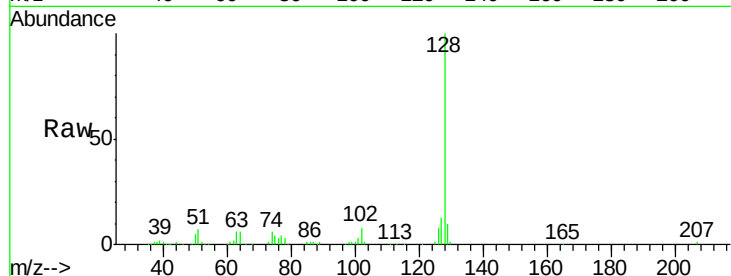
ClientSampleId :

VW0110SBSD02

Tot Ion:	128	Resp:	54076
Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.0	16.4
129	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/11/2019 2:28:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.270 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008169.D

Acq: 11 Jan 2019 02:00

Tgt Ion:	180	Resp:	24683
Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.5	139.3
145	32.6	17.4	52.2

