

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030219\
 Data File : VW008939.D
 Acq On : 02 Mar 2019 00:38
 Operator : SY/VA
 Sample : VW0302SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 4:05:20 AM

Quant Time: Mar 02 05:23:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143497	64.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.20%	
35) Dibromofluoromethane	7.88	113	126067	57.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.60%	
50) Toluene-d8	10.32	98	470322	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
62) 4-Bromofluorobenzene	12.62	95	180327	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	44937	18.797	ug/l	98
3) Chloromethane	2.20	50	58089	19.961	ug/l	95
4) Vinyl Chloride	2.35	62	58759	19.070	ug/l	95
5) Bromomethane	2.75	94	51407	22.462	ug/l	98
6) Chloroethane	2.90	64	43784	20.011	ug/l	96
7) Trichlorofluoromethane	3.25	101	82270	21.111	ug/l	87
8) Diethyl Ether	3.68	74	27874	22.593	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52227	22.070	ug/l	97
10) Methyl Iodide	4.27	142	46200	15.612	ug/l	97
11) Tert butyl alcohol	5.17	59	20861	104.667	ug/l	99
12) 1,1-Dichloroethene	4.03	96	44463	21.275	ug/l	99
13) Acrolein	3.89	56	14669	84.036	ug/l	99
14) Allyl chloride	4.66	41	77118	21.380	ug/l	98
15) Acrylonitrile	5.36	53	63522	119.971	ug/l	99
16) Acetone	4.12	43	55189	106.353	ug/l	94
17) Carbon Disulfide	4.37	76	131980	19.033	ug/l	99
18) Methyl Acetate	4.67	43	30253	24.579	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	137225	24.258	ug/l	95
20) Methylene Chloride	4.91	84	64357	22.351	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	55430	22.929	ug/l	99
22) Diisopropyl ether	6.31	45	175163	24.344	ug/l	98
23) Vinyl Acetate	6.26	43	532087	119.685	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99899	23.959	ug/l	98
25) 2-Butanone	7.17	43	83726	115.406	ug/l	93
26) 2,2-Dichloropropane	7.16	77	73827	19.503	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60653	23.454	ug/l	96
28) Bromochloromethane	7.51	49	42025	24.086	ug/l	99
29) Tetrahydrofuran	7.52	42	54979	118.917	ug/l	98
30) Chloroform	7.67	83	102437	23.948	ug/l	95
31) Cyclohexane	7.95	56	87942	20.836	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	89966	23.128	ug/l	98
36) 1,1-Dichloropropene	8.08	75	78132	22.096	ug/l	99
37) Ethyl Acetate	7.26	43	40283	24.499	ug/l	99
38) Carbon Tetrachloride	8.07	117	81343	21.814	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86809	19.682	ug/l	97
40) Benzene	8.32	78	220123	22.801	ug/l	96
41) Methacrylonitrile	7.48	41	22830	23.621	ug/l	93
42) 1,2-Dichloroethane	8.40	62	73622	24.073	ug/l	98
43) Isopropyl Acetate	8.42	43	72285	22.027	ug/l	98
44) Trichloroethene	9.09	130	60725	22.328	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57632	24.157	ug/l	96
46) Dibromomethane	9.46	93	32189	24.257	ug/l	97
47) Bromodichloromethane	9.64	83	78368	24.273	ug/l	95
48) Methyl methacrylate	9.44	41	33561	21.353	ug/l	97
49) 1,4-Dioxane	9.45	88	8628	406.004	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	188307	113.021	ug/l	100
52) Toluene	10.39	92	143292	21.870	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72614	22.065	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	83944	22.365	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	45053	25.034	ug/l	94
56) Ethyl methacrylate	10.65	69	49210	21.047	ug/l	96
57) 1,3-Dichloropropane	10.93	76	74981	23.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144371	122.770	ug/l	98
59) 2-Hexanone	10.97	43	122824	103.560	ug/l	100
60) Dibromochloromethane	11.13	129	52704	24.010	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41303	23.186	ug/l	98
64) Tetrachloroethene	10.86	164	59174	23.711	ug/l	98
65) Chlorobenzene	11.66	112	161349	22.009	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	56840	22.931	ug/l	98
67) Ethyl Benzene	11.73	91	274503	20.946	ug/l	100
68) m/p-Xylenes	11.84	106	222070	42.410	ug/l	98
69) o-Xylene	12.16	106	102481	20.852	ug/l	100
70) Styrene	12.18	104	168715	21.337	ug/l	99
71) Bromoform	12.35	173	30331	22.764	ug/l	# 98
73) Isopropylbenzene	12.46	105	272520	21.309	ug/l	99
74) N-amyl acetate	12.27	43	66451	20.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50197	24.021	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	33623m	21.829	ug/l	
77) Bromobenzene	12.75	156	69016	22.836	ug/l	99
78) n-propylbenzene	12.80	91	332999	21.286	ug/l	99
79) 2-Chlorotoluene	12.89	91	193831	21.823	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	232659	20.934	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12014	18.962	ug/l	98
82) 4-Chlorotoluene	12.99	91	202077	21.590	ug/l	100
83) tert-Butylbenzene	13.21	119	200688	20.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	237145	20.613	ug/l	100
85) sec-Butylbenzene	13.38	105	289020	20.916	ug/l	99
86) p-Isopropyltoluene	13.50	119	252839	19.960	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	136257	21.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	136356	22.064	ug/l	99
89) n-Butylbenzene	13.83	91	226279	19.067	ug/l	100
90) Hexachloroethane	14.10	117	45650	22.013	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122116	21.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8046	21.285	ug/l	97

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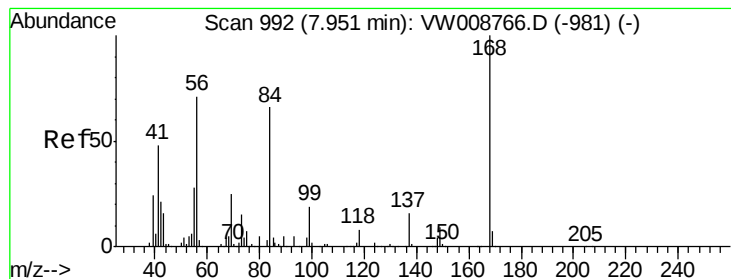
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	78417	19.480	ug/l	99
94) Hexachlorobutadiene	15.24	225	49817	21.009	ug/l	99
95) Naphthalene	15.37	128	134781	19.665	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	71881	20.652	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion:168 Resp: 238695

Ion Ratio Lower Upper

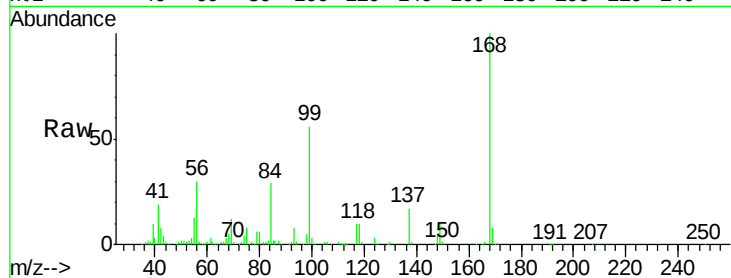
168 100

99 55.4 42.2 63.2

Manual Integrations
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3/5/2019 4:05:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

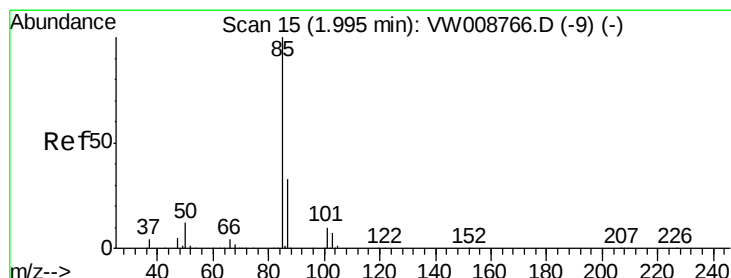
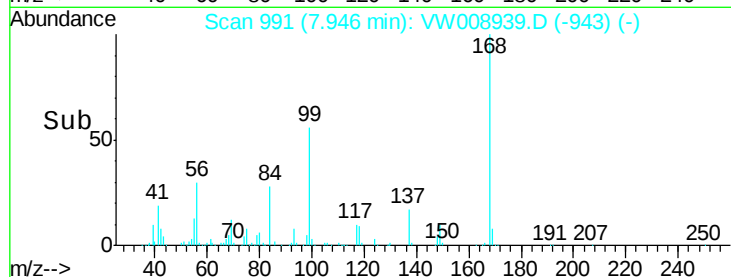
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.797 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008939.D

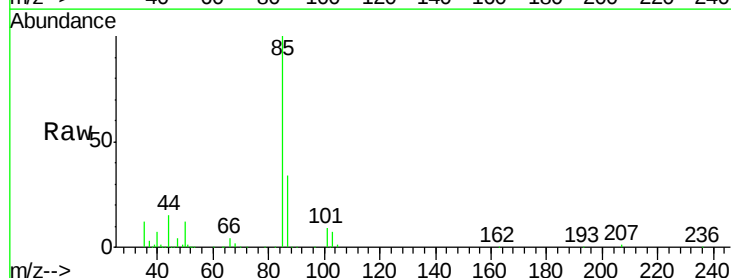
Acq: 02 Mar 2019 00:38

Tgt Ion: 85 Resp: 44937

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

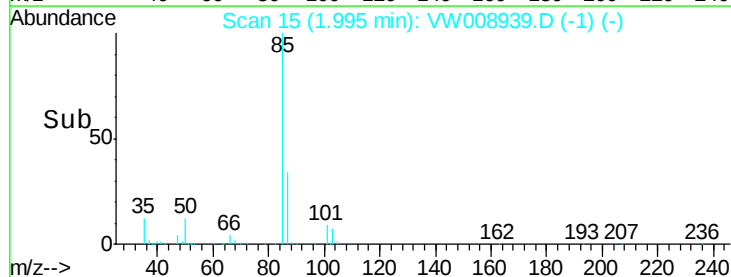
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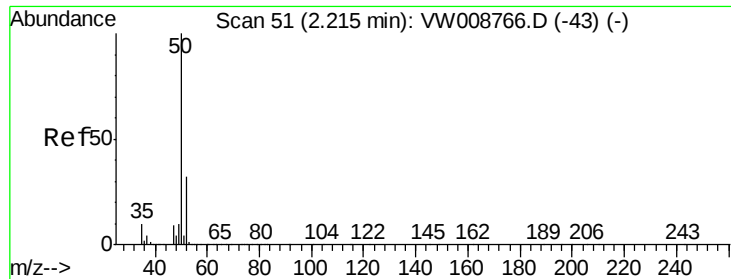
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.961 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 50 Resp: 58089

Ion Ratio Lower Upper

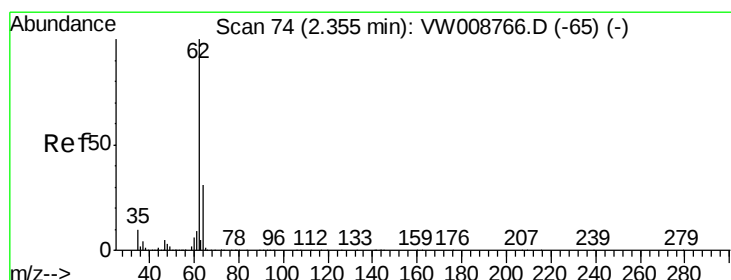
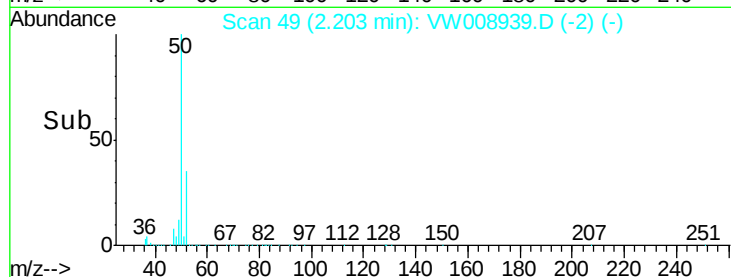
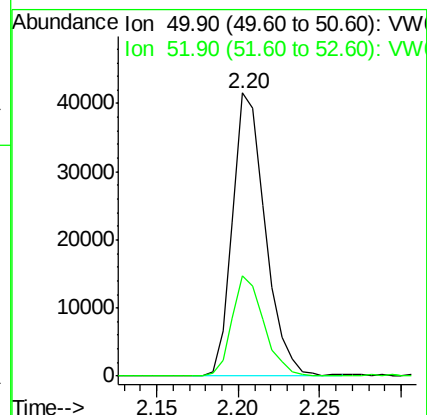
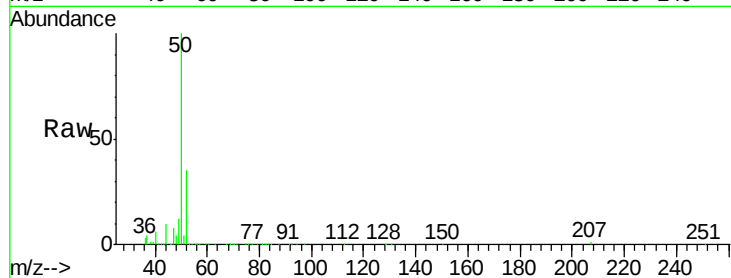
50 100

52 35.5 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.070 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW008939.D

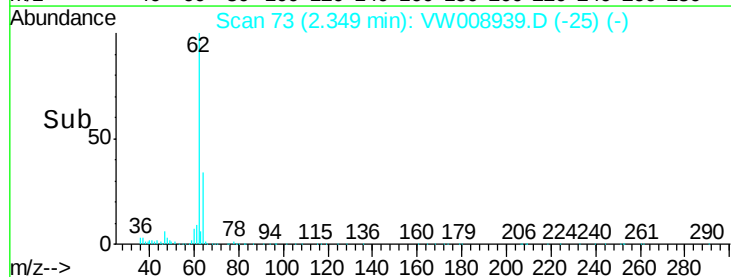
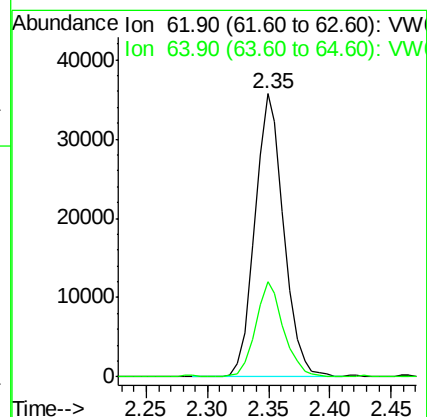
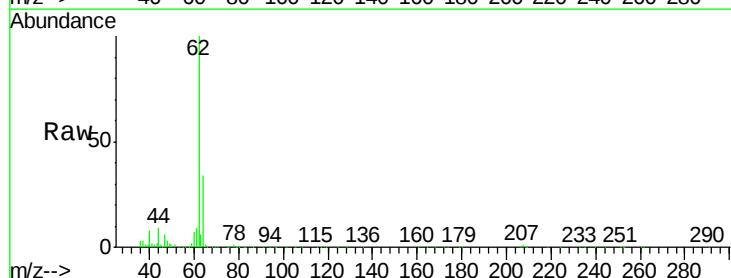
Acq: 02 Mar 2019 00:38

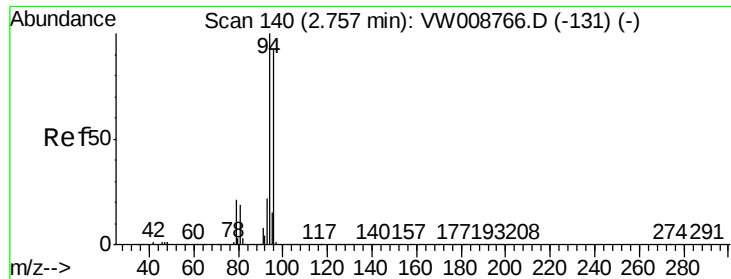
Tgt Ion: 62 Resp: 58759

Ion Ratio Lower Upper

62 100

64 33.8 24.9 37.3





#5

Bromomethane

Concen: 22.462 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 94 Resp: 51407

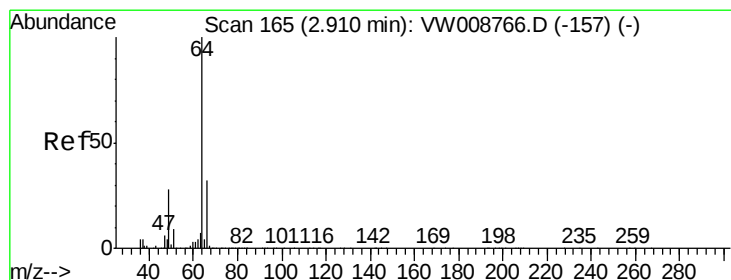
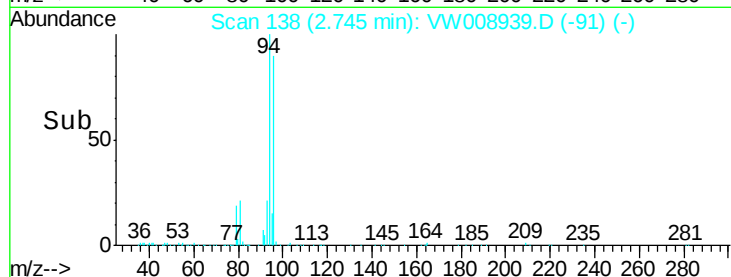
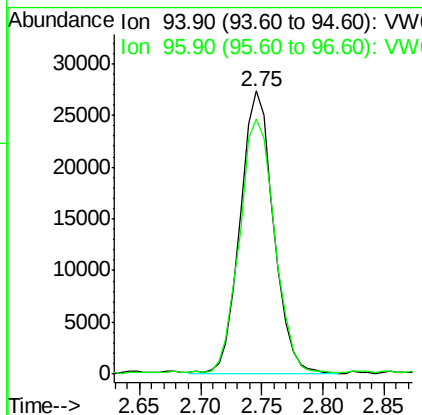
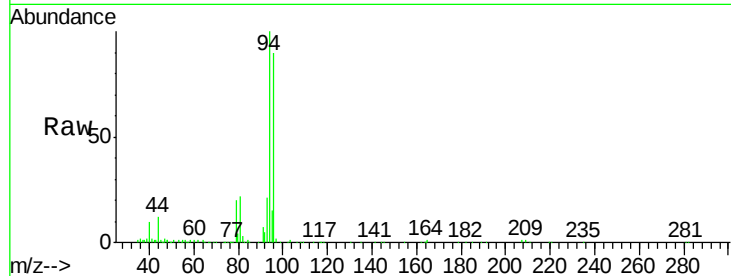
Ion Ratio Lower Upper

94 100

96 90.1 73.4 110.2

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#6

Chloroethane

Concen: 20.011 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008939.D

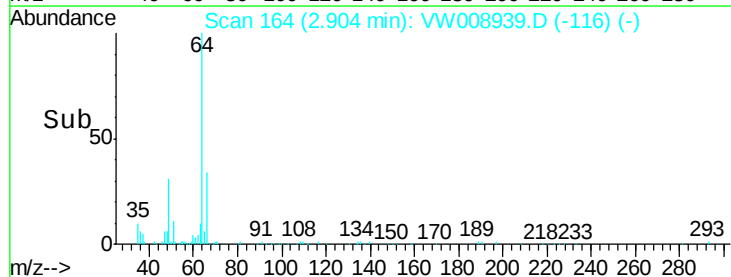
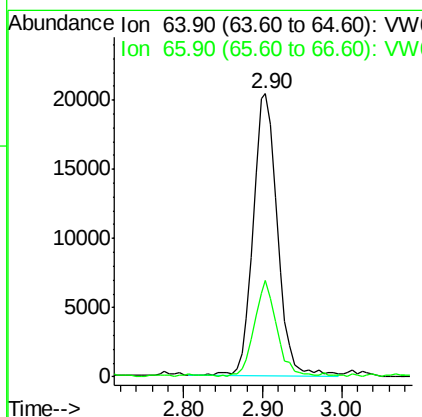
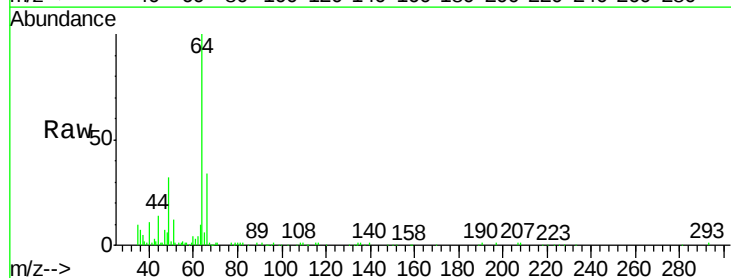
Acq: 02 Mar 2019 00:38

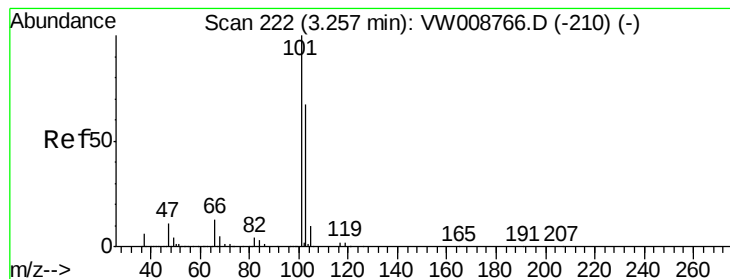
Tgt Ion: 64 Resp: 43784

Ion Ratio Lower Upper

64 100

66 33.9 25.5 38.3





#7

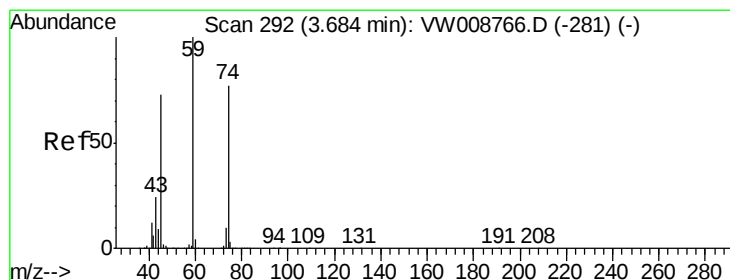
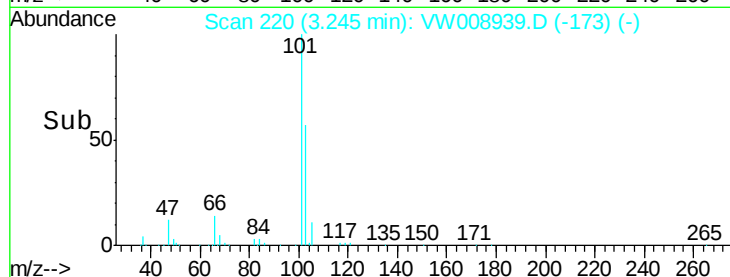
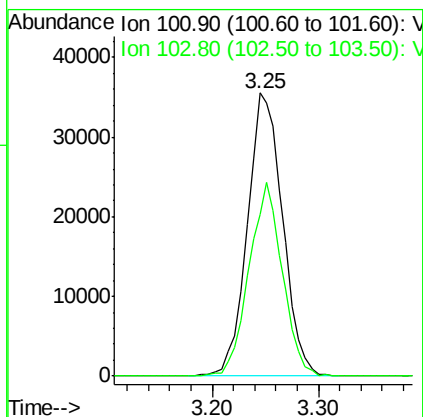
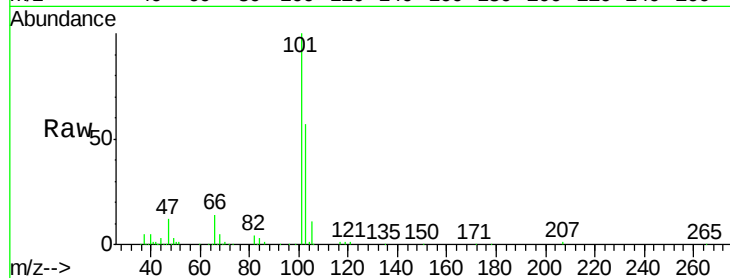
Trichlorofluoromethane
 Concen: 21.111 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.2	53.9	80.9

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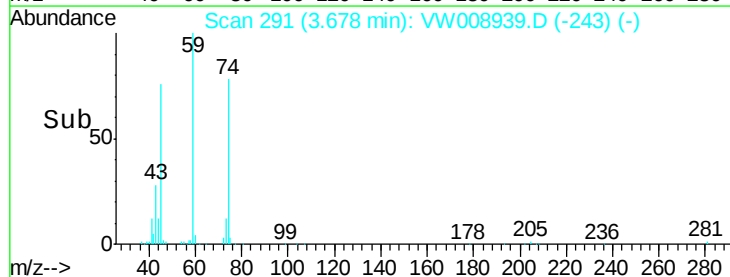
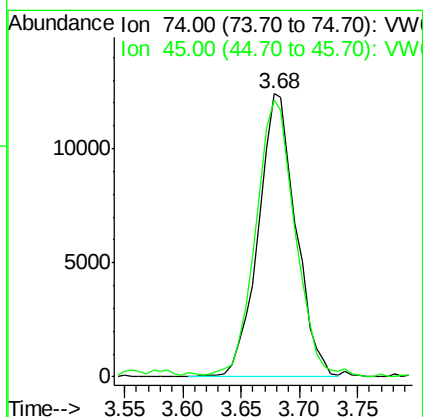
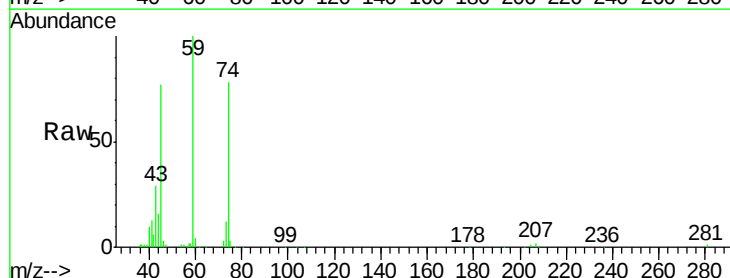
MMDadoda
 3/5/2019 4:05:20 AM

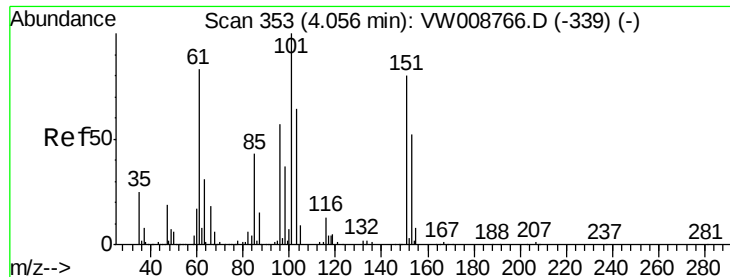


#8

Diethyl Ether
 Concen: 22.593 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.070 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

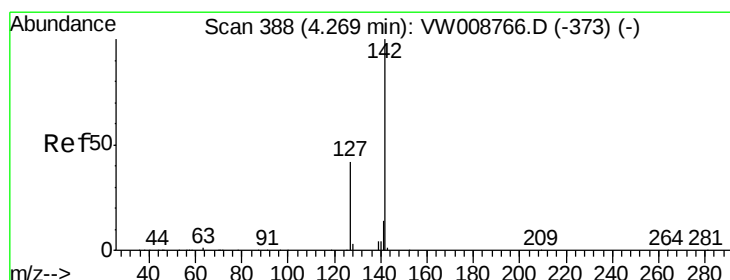
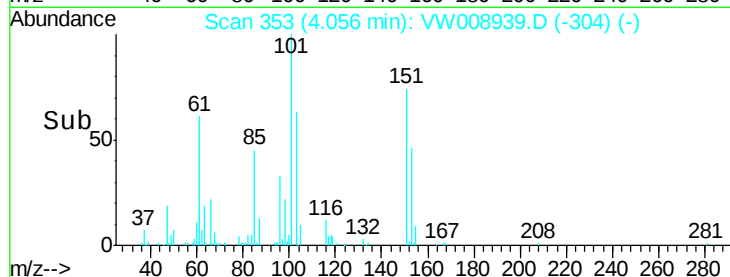
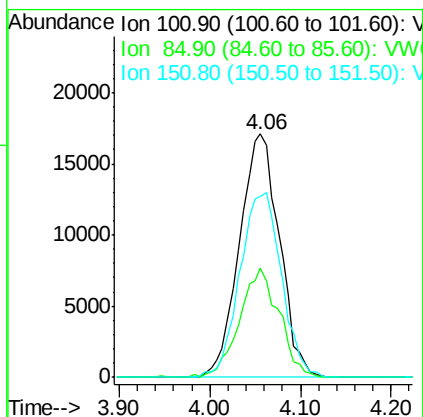
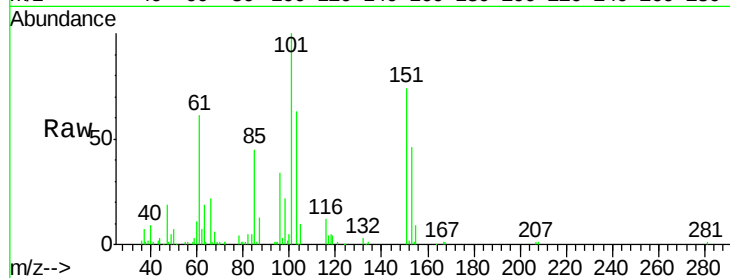
ClientSampleId :

VW0302SBS01

Tot Ion:	101	Resp:	52227
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	78.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 15.612 ug/l

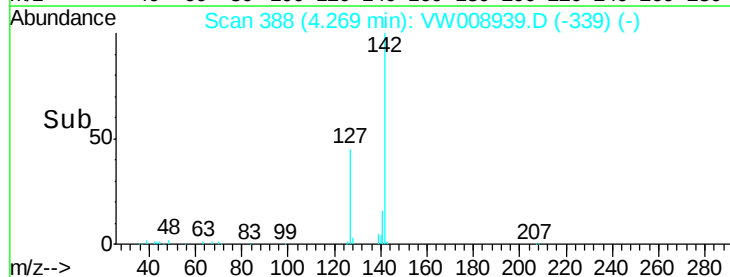
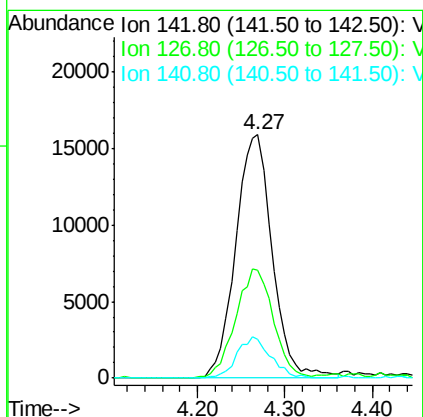
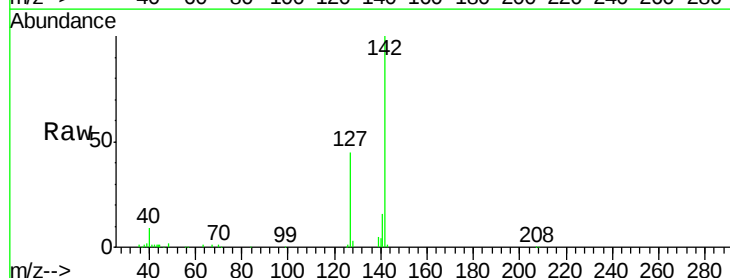
RT: 4.27 min Scan# 388

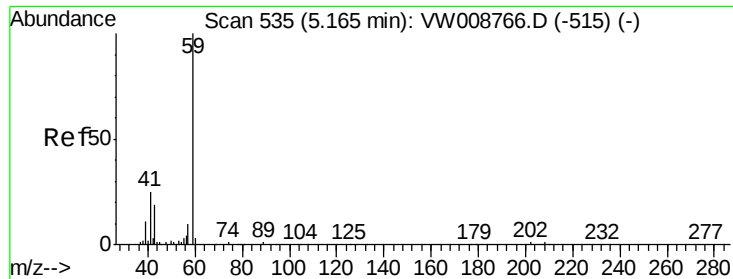
Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion:	142	Resp:	46200
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.3	52.9
141	15.5	11.7	17.5





#11

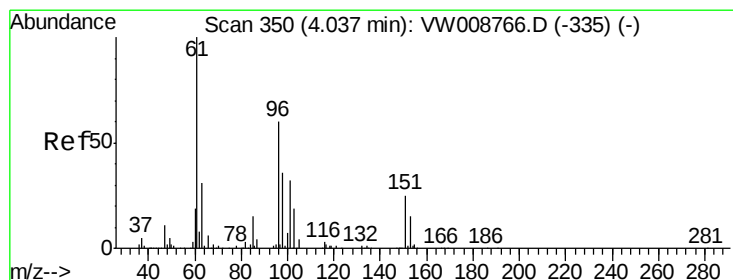
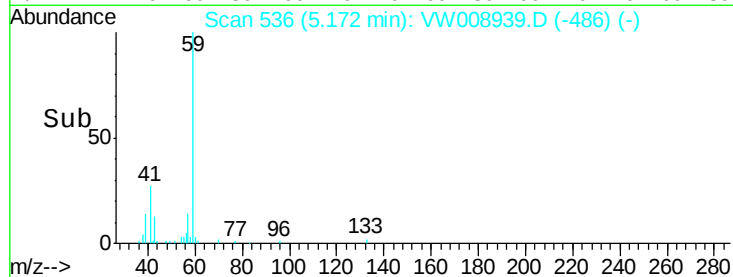
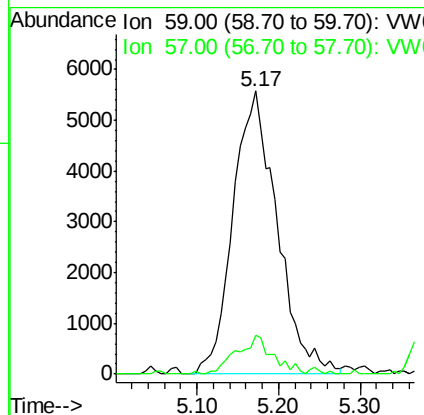
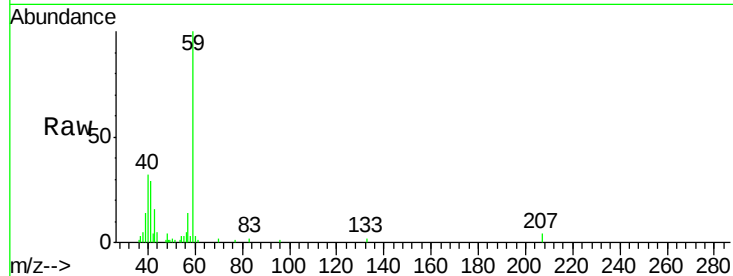
Tert butyl alcohol
Concen: 104.667 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	20861		
57	57	11.1		9.3	13.9

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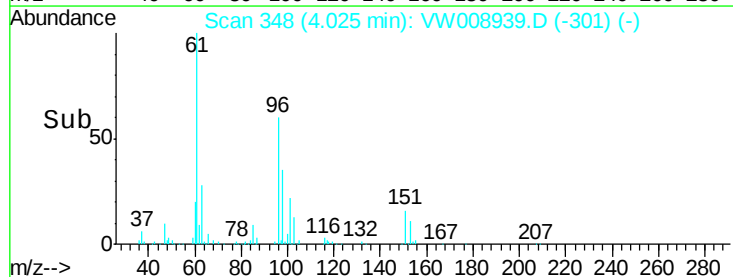
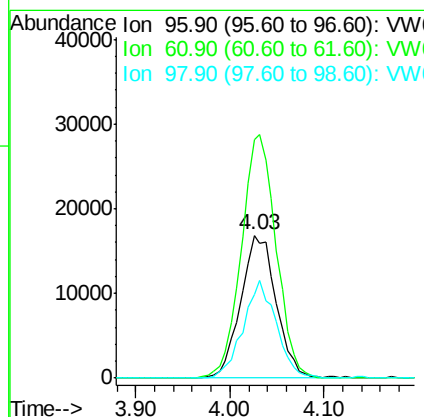
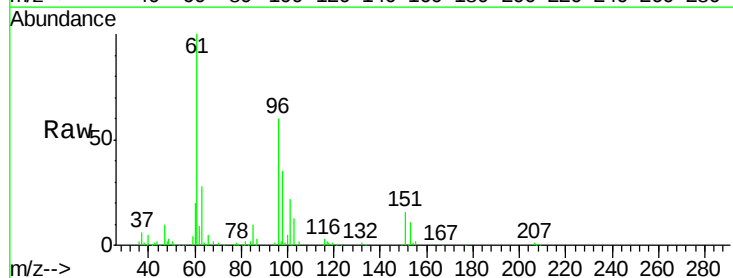
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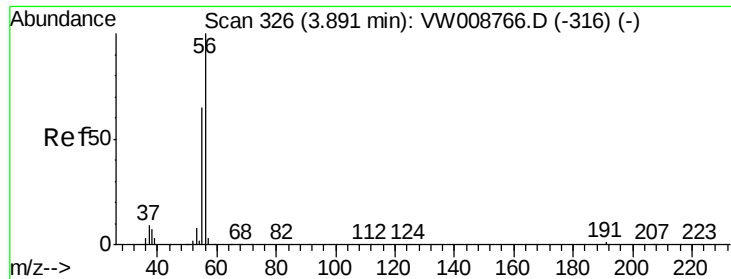


#12

1,1-Dichloroethene
Concen: 21.275 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	44463		
61	61	167.0		132.5	198.7
98	98	58.2		48.2	72.4





#13

Acrolein

Concen: 84.036 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 56 Resp: 14669

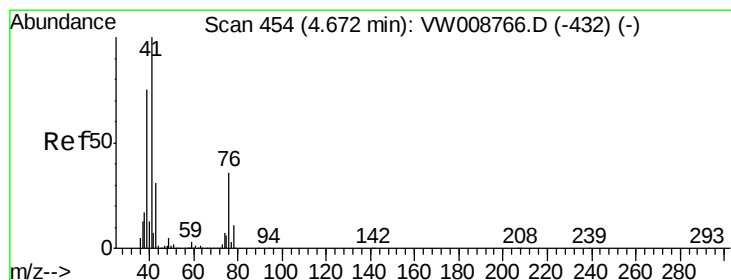
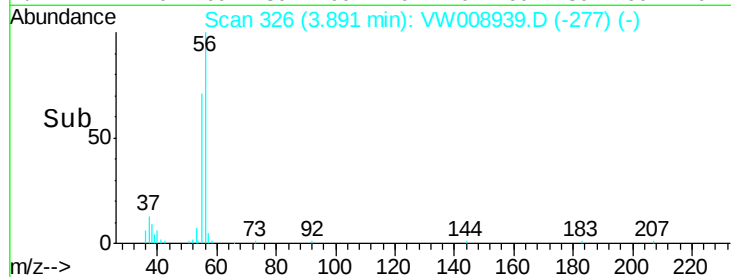
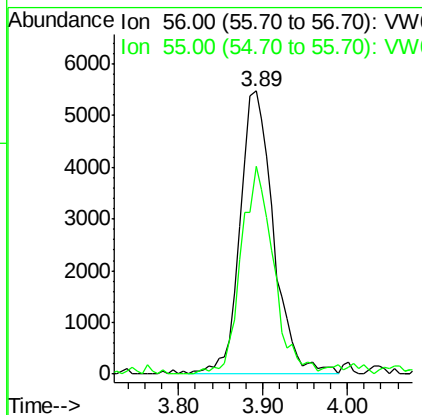
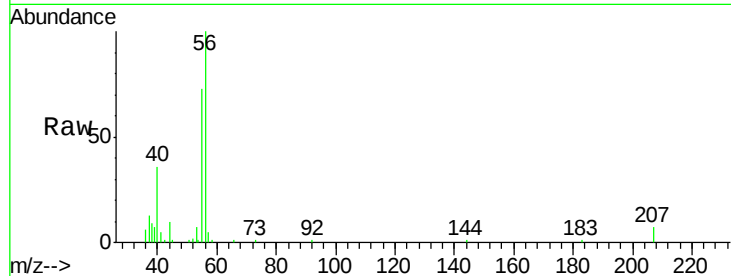
Ion Ratio Lower Upper

56 100

55 71.6 56.9 85.3

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#14

Allyl chloride

Concen: 21.380 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

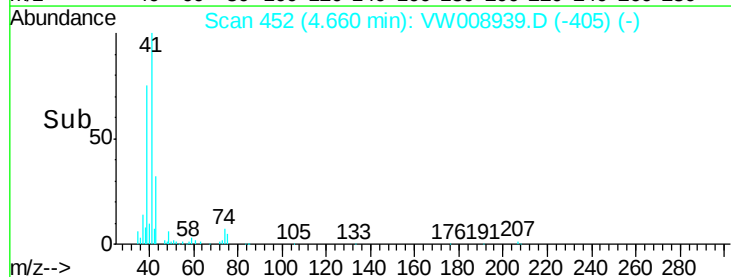
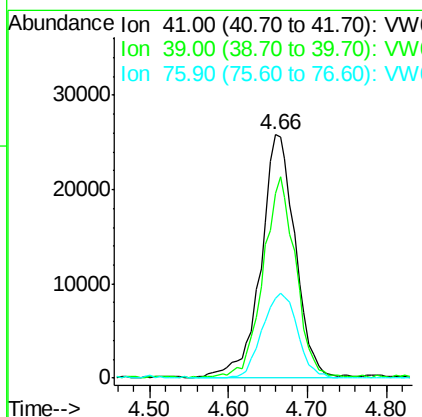
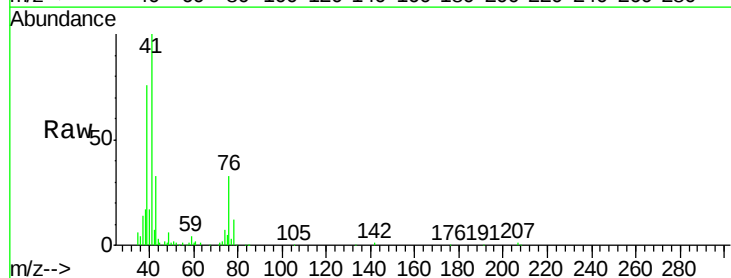
Tgt Ion: 41 Resp: 77118

Ion Ratio Lower Upper

41 100

39 78.6 60.6 91.0

76 36.1 28.6 42.8





#15

Acrylonitrile

Concen: 119.971 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

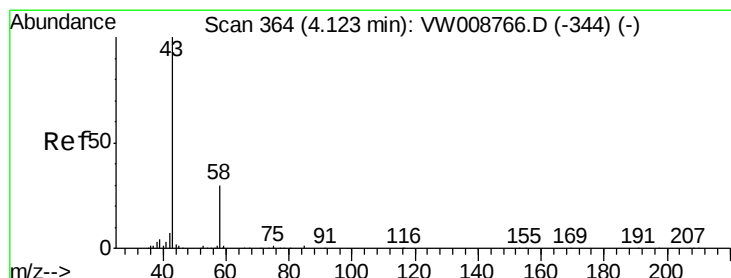
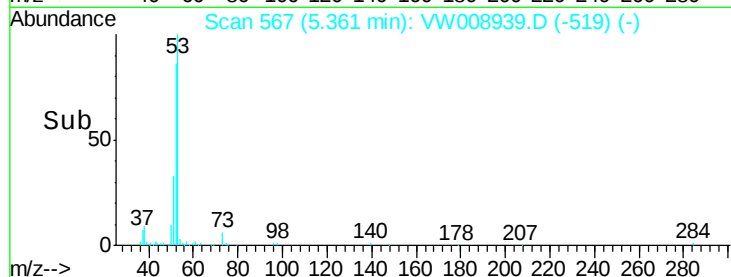
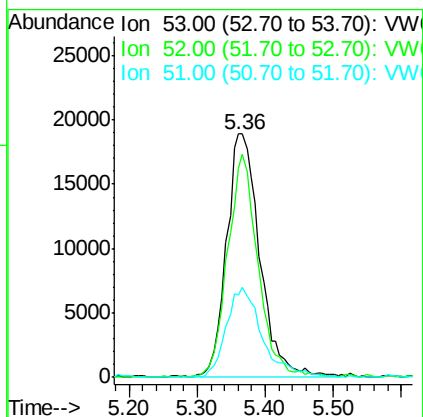
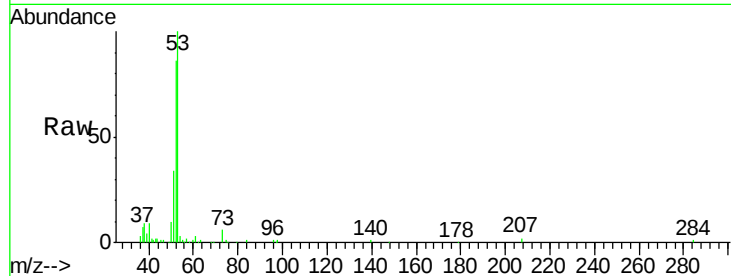
ClientSampleId :

VW0302SBS01

Tot Ion:	53	Resp:	63522
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.2	100.8
51	40.4	31.1	46.7

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#16

Acetone

Concen: 106.353 ug/l

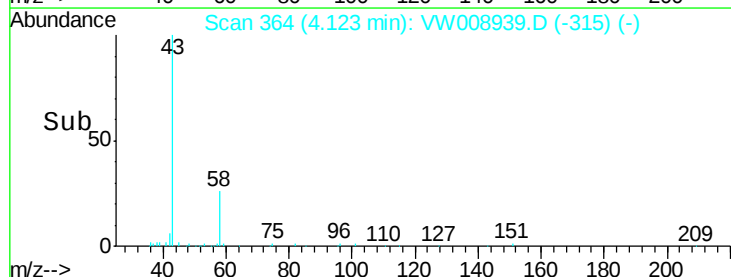
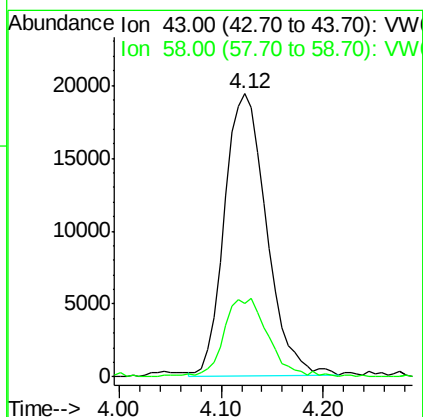
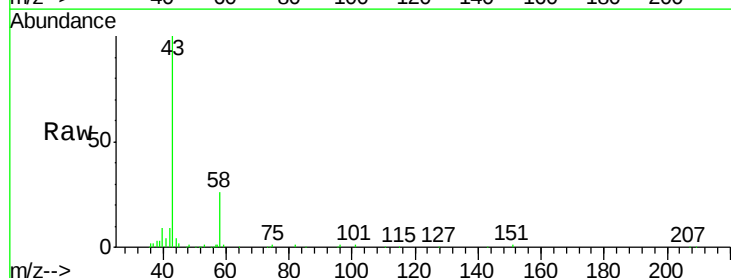
RT: 4.12 min Scan# 364

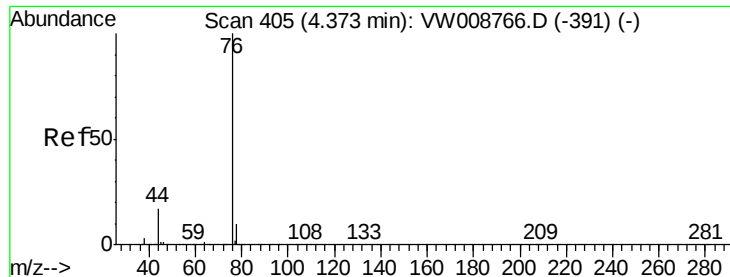
Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion:	43	Resp:	55189
Ion	Ratio	Lower	Upper
43	100		
58	26.3	23.8	35.6





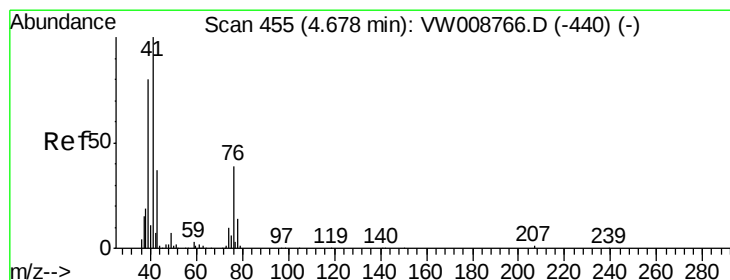
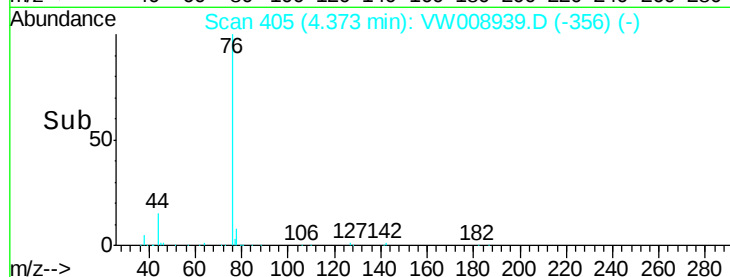
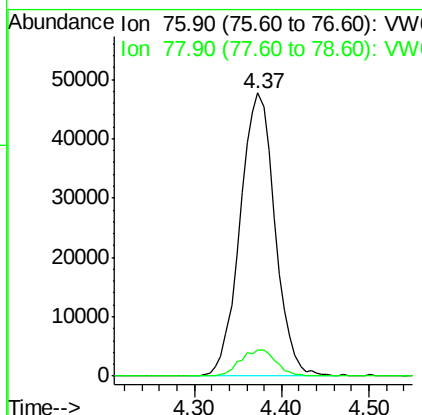
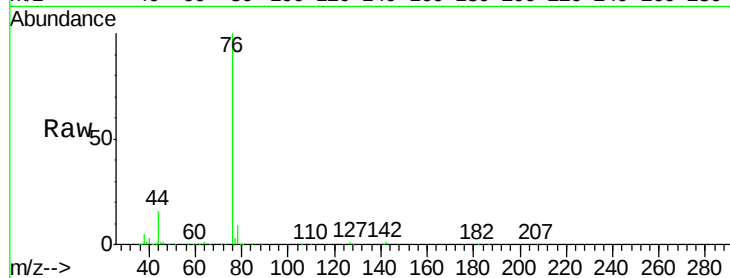
#17
Carbon Disulfide
Concen: 19.033 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.8

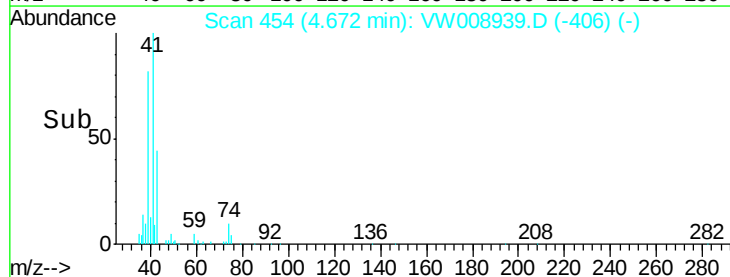
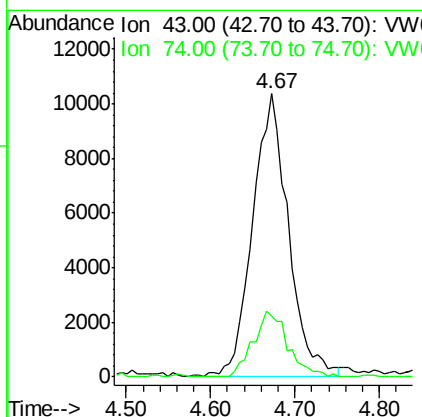
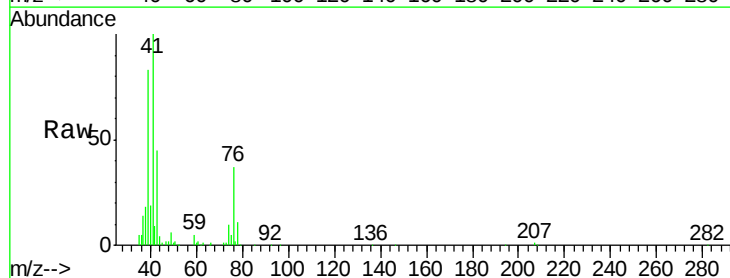
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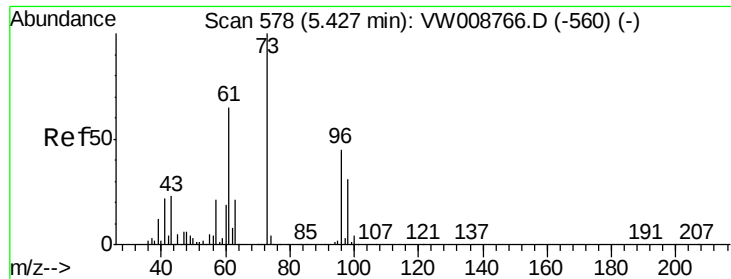
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#18
Methyl Acetate
Concen: 24.579 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.4	29.2





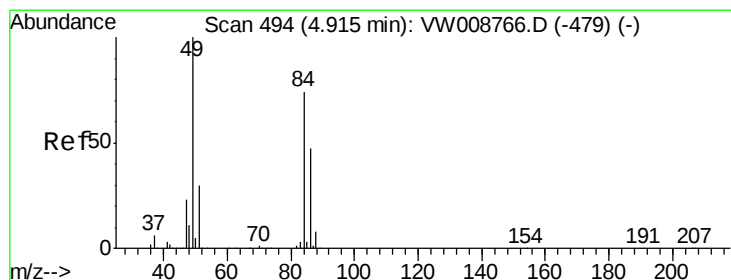
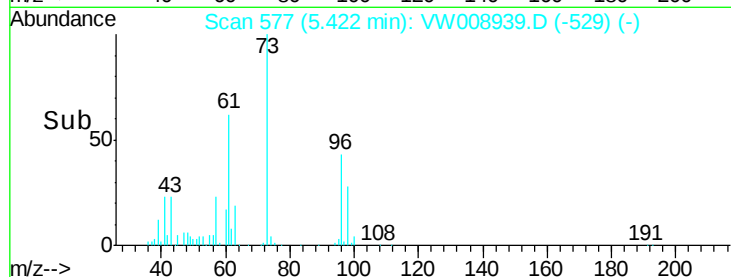
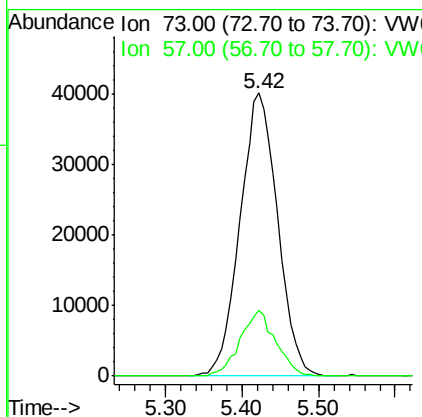
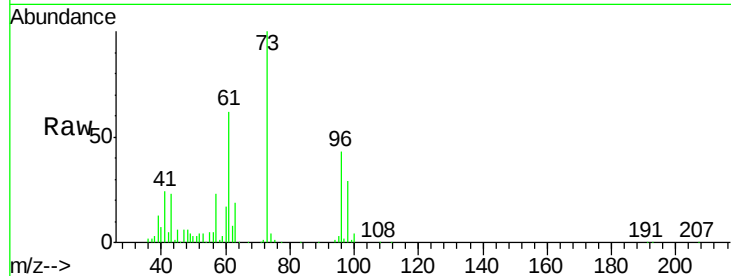
#19
Methvl tert-butvl Ether
Concen: 24.258 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion: 73 Resp: 137225
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

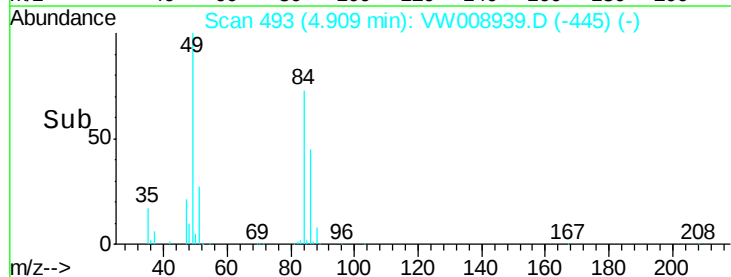
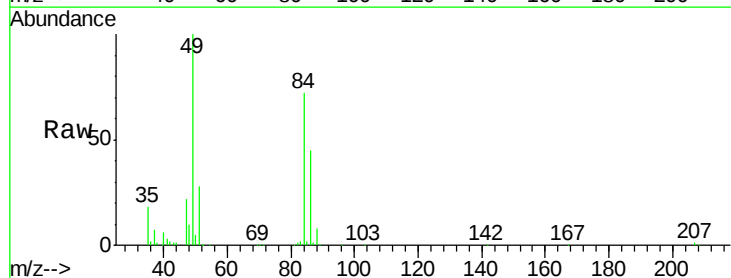
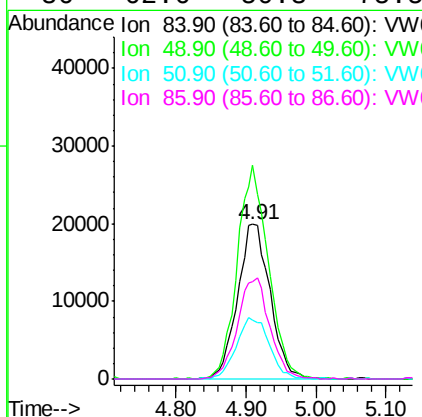
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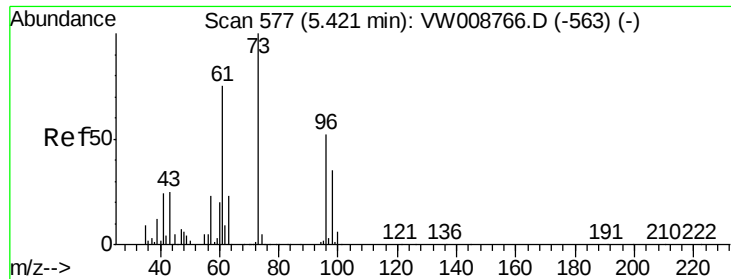
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#20
Methylene Chloride
Concen: 22.351 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 84 Resp: 64357
Ion Ratio Lower Upper
84 100
49 138.3 108.2 162.2
51 38.3 32.7 49.1
86 62.6 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 22.929 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

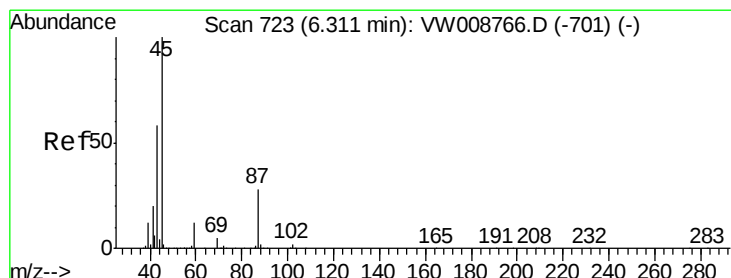
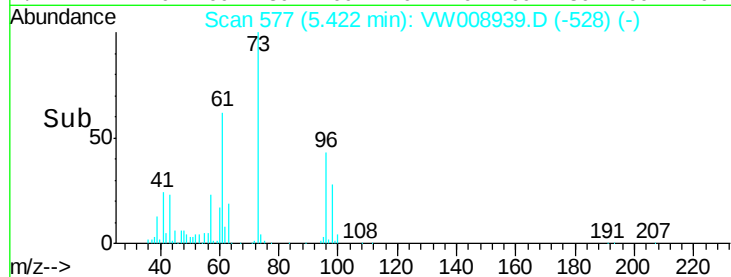
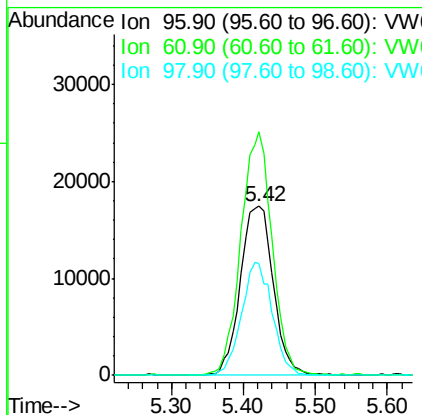
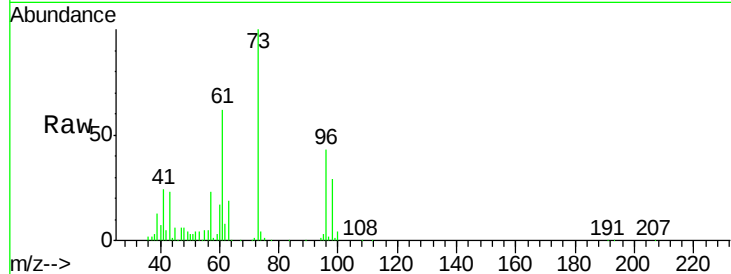
ClientSampleId :

VW0302SBS01

Tot Ion:	96	Resp:	55430
Ion	Ratio	Lower	Upper
96	100		
61	144.0	114.6	171.8
98	65.9	54.0	81.0

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#22

Diisopropyl ether

Concen: 24.344 ug/l

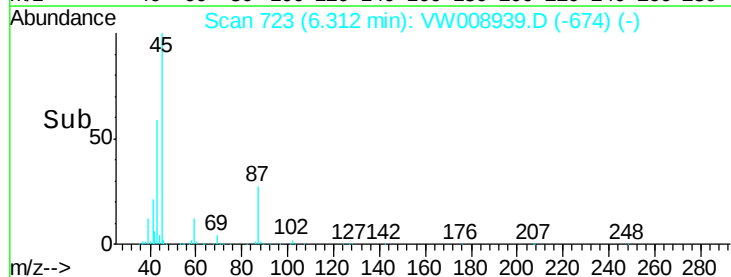
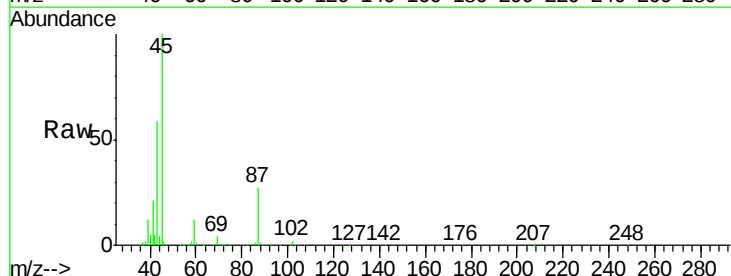
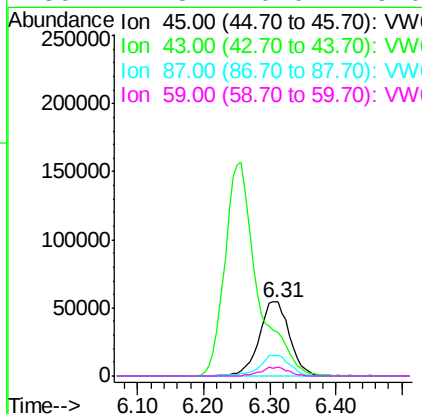
RT: 6.31 min Scan# 723

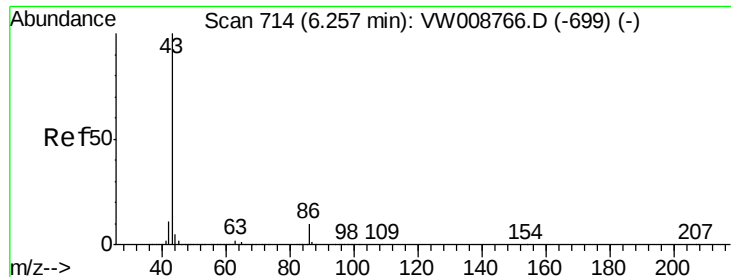
Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion:	45	Resp:	175163
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.1	69.1
87	26.7	22.2	33.4
59	12.3	10.0	15.0





#23

Vinyl Acetate

Concen: 119.685 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 43 Resp: 532087

Ion Ratio Lower Upper

43 100

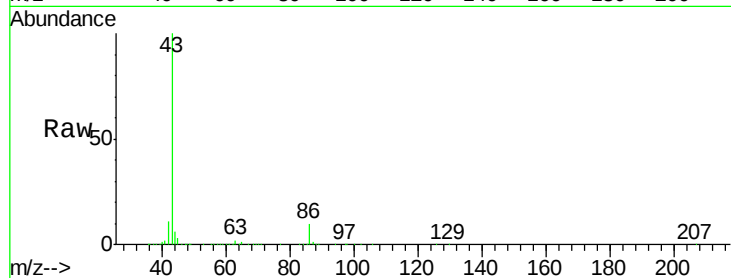
86 9.6 8.1 12.1

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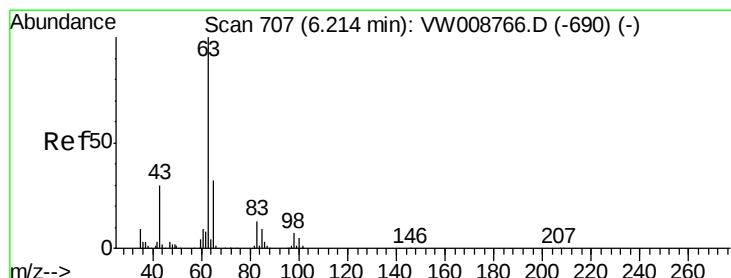
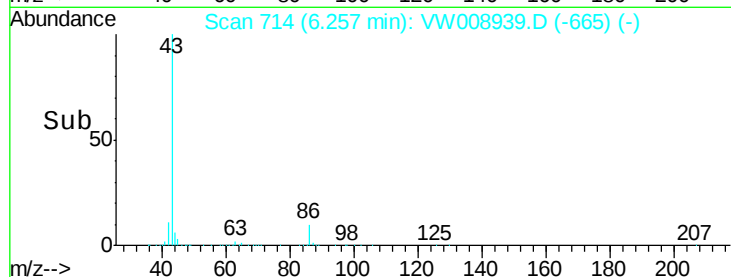
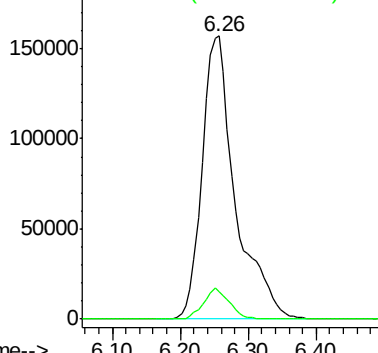
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 23.959 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

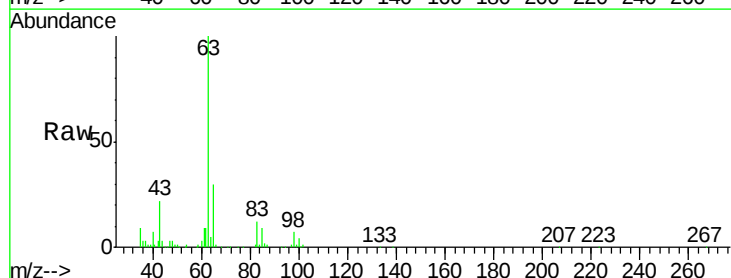
Tgt Ion: 63 Resp: 99899

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

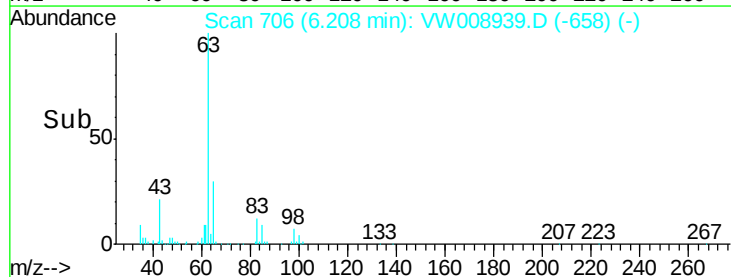
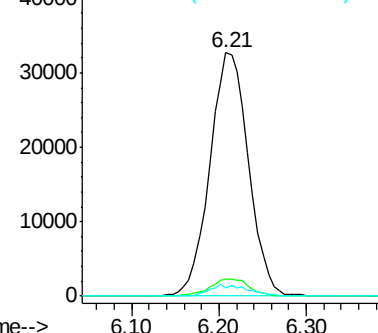
100 3.5 2.4 7.2

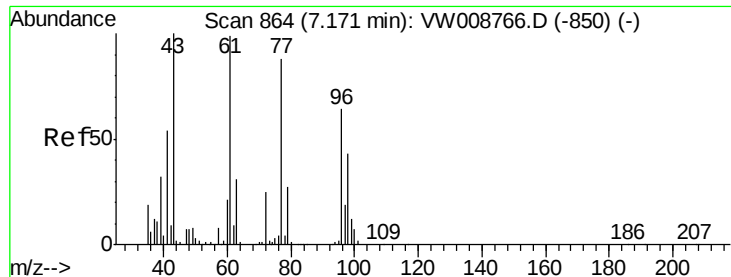


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 115.406 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 43 Resp: 83726

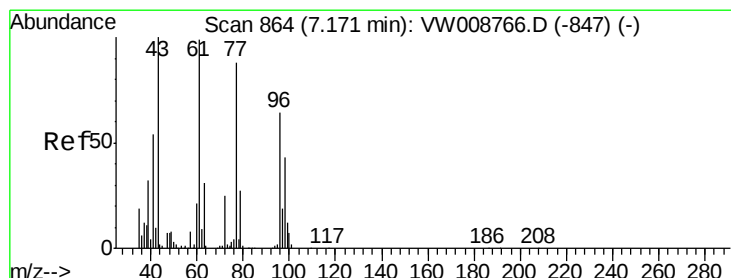
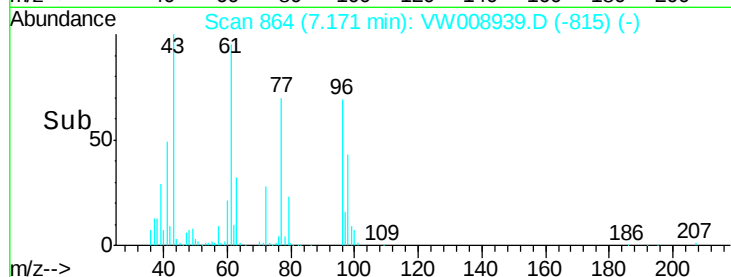
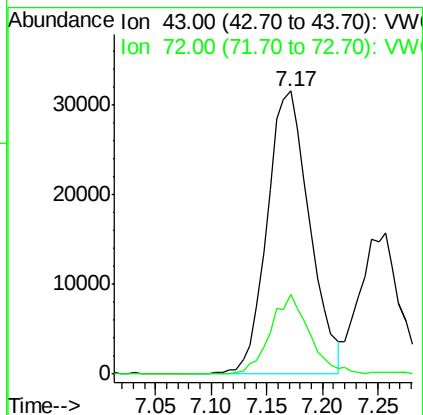
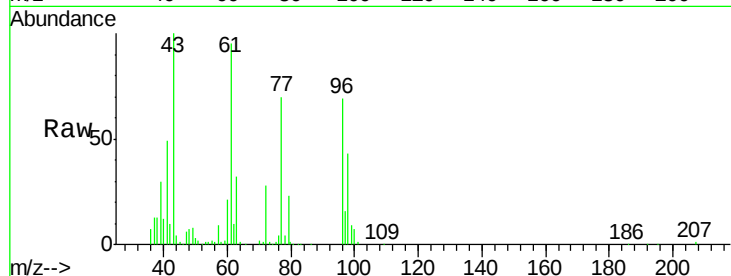
Ion Ratio Lower Upper

43 100

72 28.3 19.7 29.5

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#26

2,2-Dichloropropane

Concen: 19.503 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008939.D

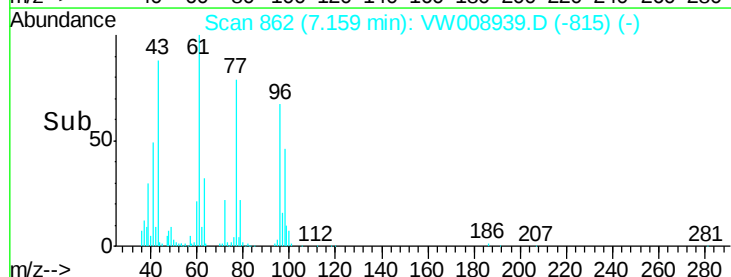
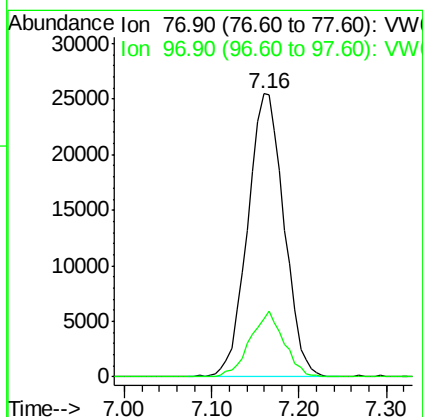
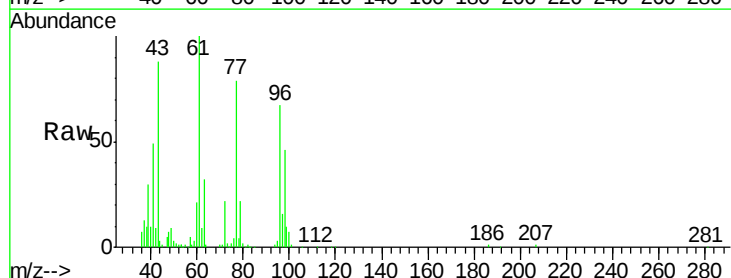
Acq: 02 Mar 2019 00:38

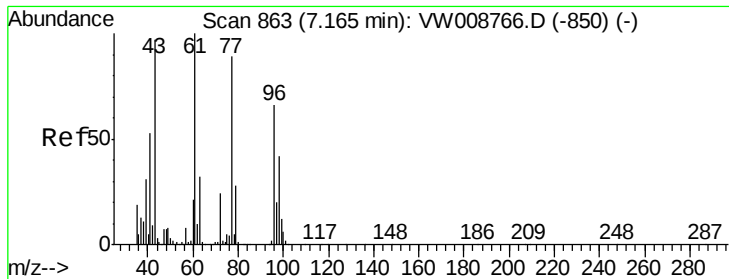
Tgt Ion: 77 Resp: 73827

Ion Ratio Lower Upper

77 100

97 21.6 11.0 33.0





#27

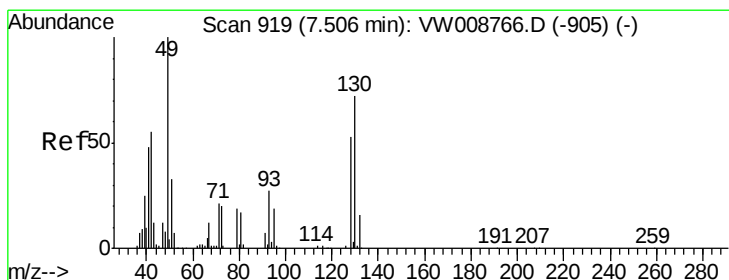
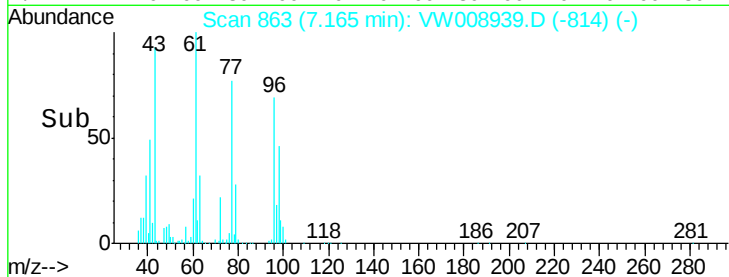
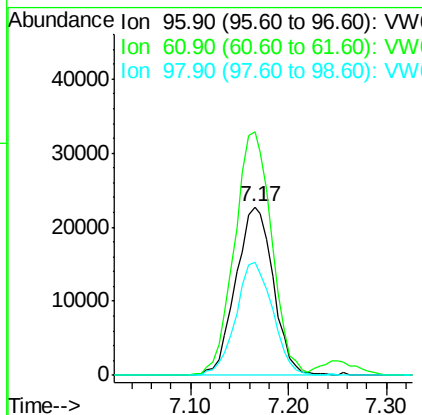
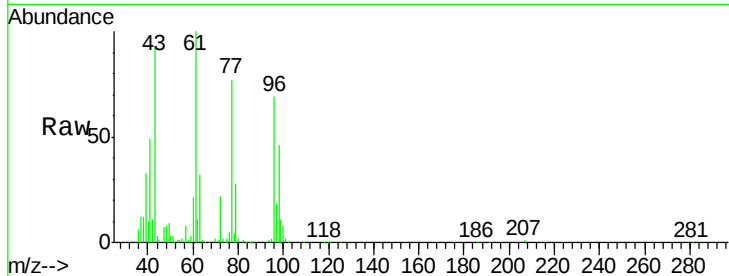
cis-1,2-Dichloroethene
 Concen: 23.454 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	302.6
98	65.6	0.0	130.0

Manual Integrations
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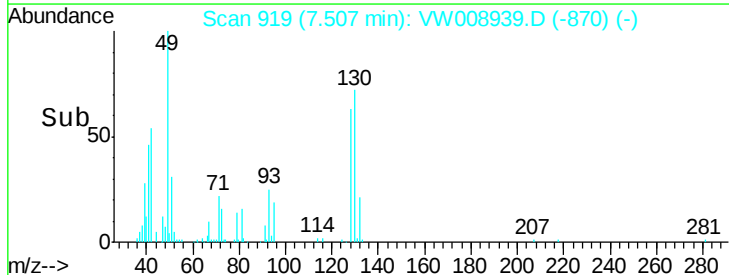
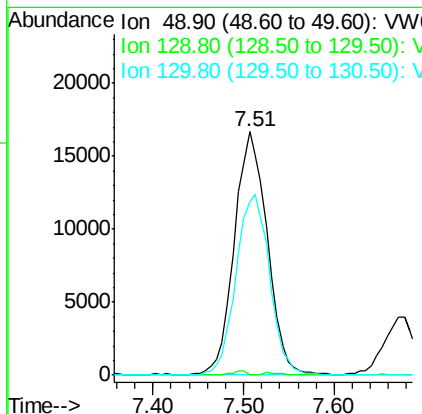
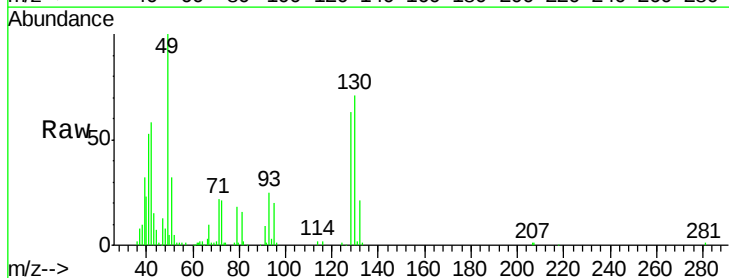
MMDadoda
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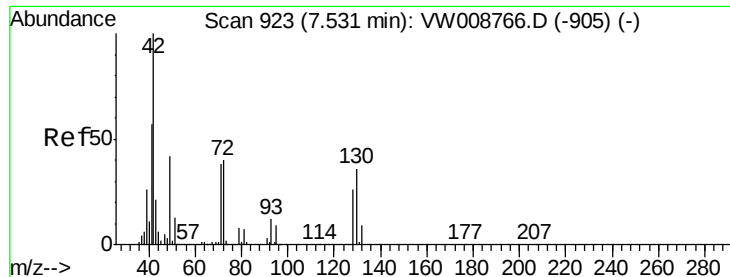


#28

Bromochloromethane
 Concen: 24.086 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.6
130	75.7	61.3	91.9





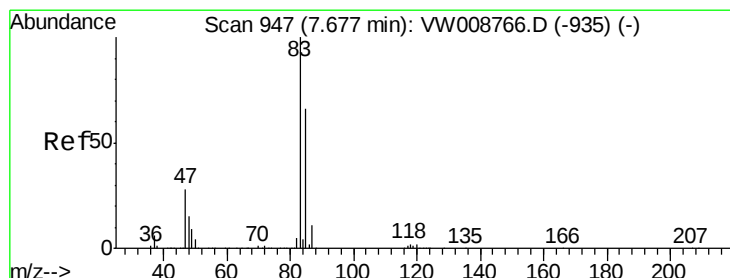
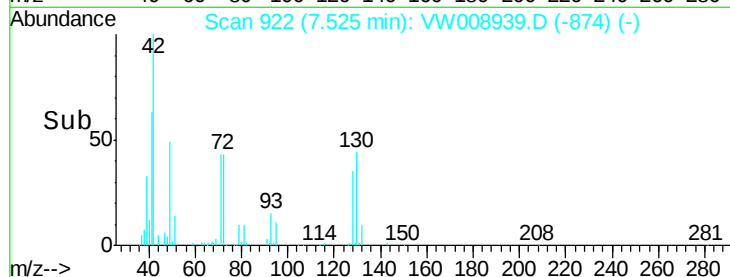
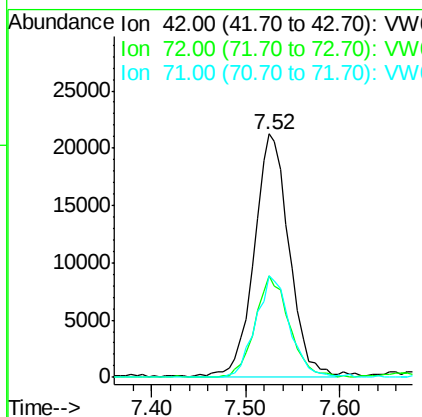
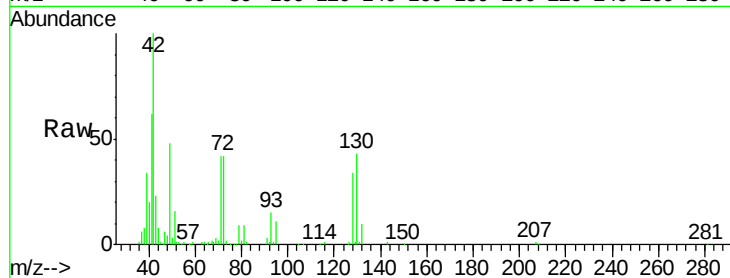
#29
Tetrahydrofuran
Concen: 118.917 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.7	49.1
71	40.9	31.3	46.9

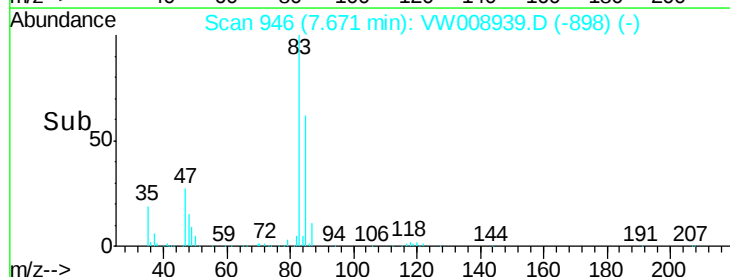
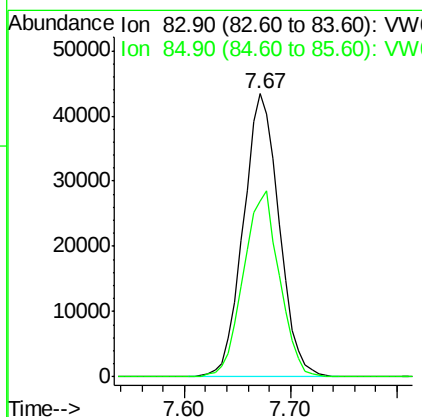
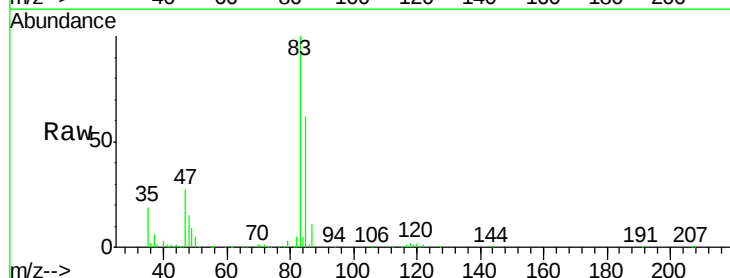
Manual Integrations
APPROVED

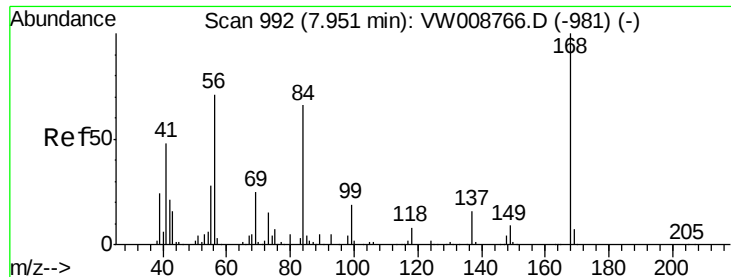
MMDadoda
3/5/2019 4:05:20 AM



#30
Chloroform
Concen: 23.948 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.6	79.0





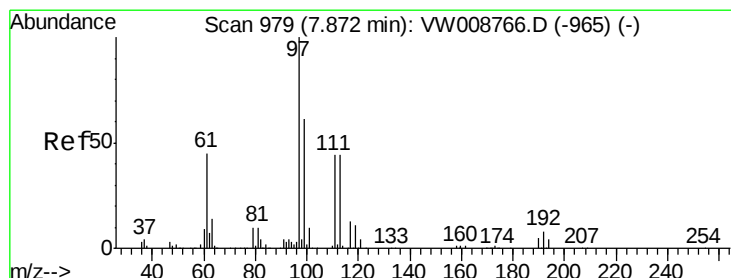
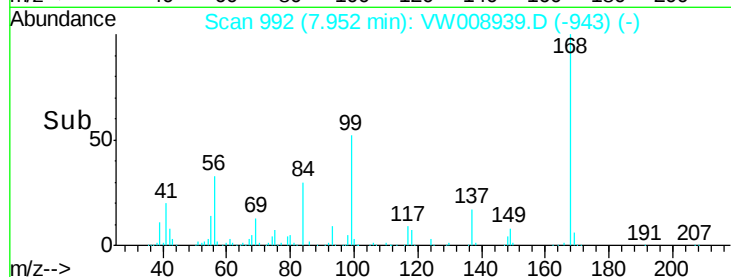
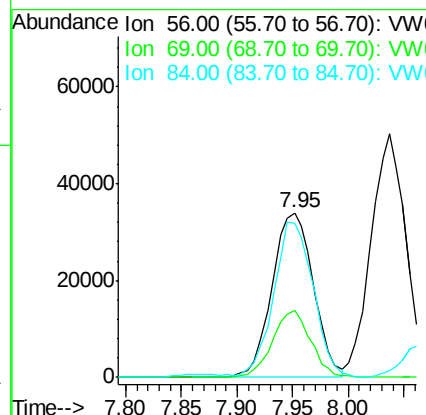
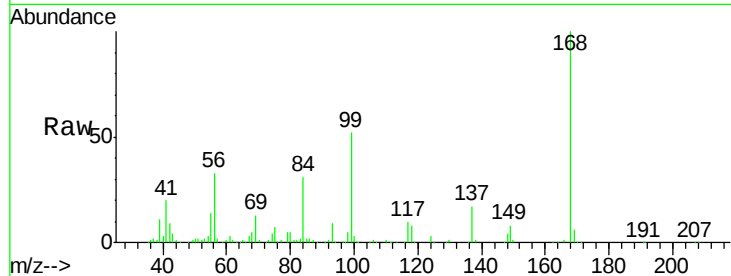
#31
Cyclohexane
Concen: 20.836 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	28.2	42.4
84	91.6	74.1	111.1

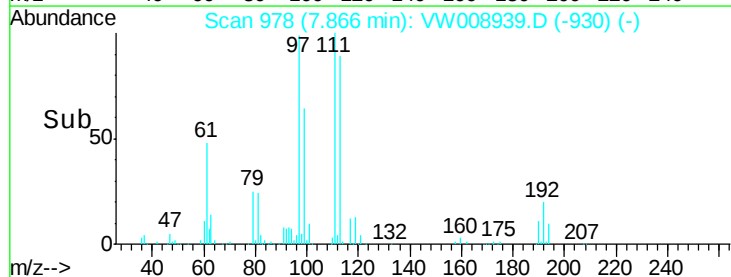
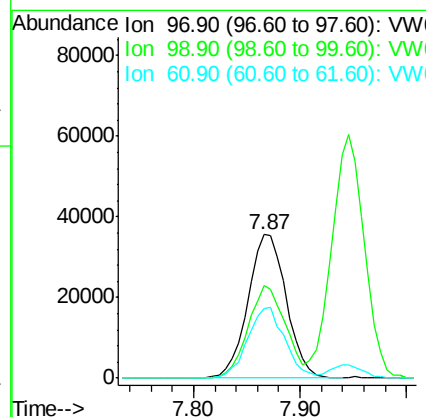
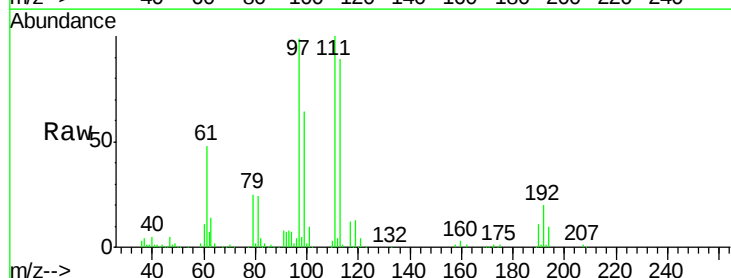
Manual Integrations
APPROVED

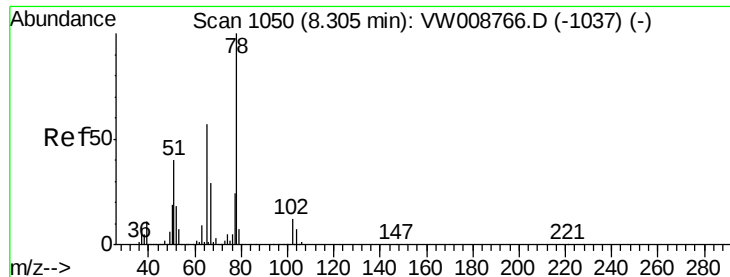
MMDadoda
3/5/2019 4:05:20 AM



#32
1,1,1-Trichloroethane
Concen: 23.128 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	50.8	76.2
61	47.7	36.0	54.0





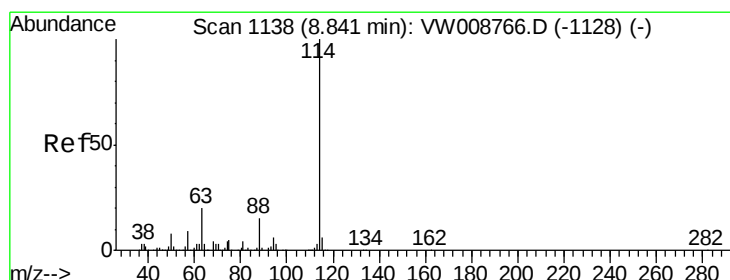
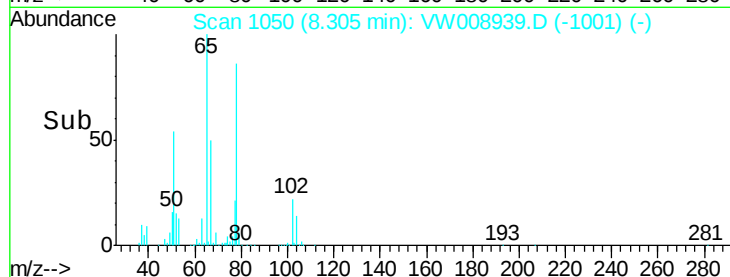
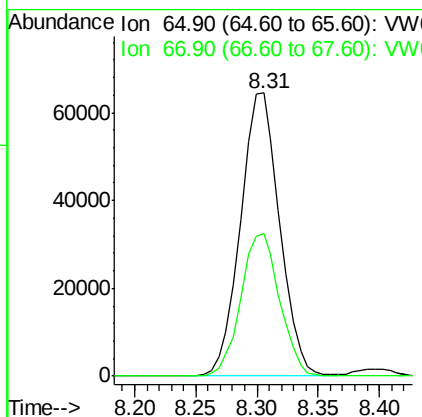
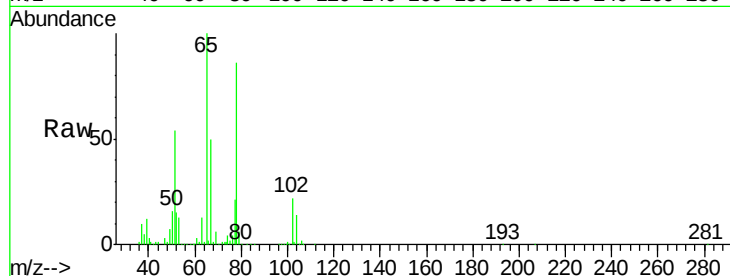
#33
 1,2-Dichloroethane-d4
 Concen: 64.097 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.0	0.0	101.4	

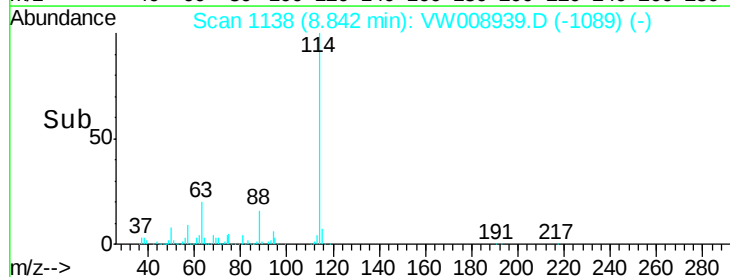
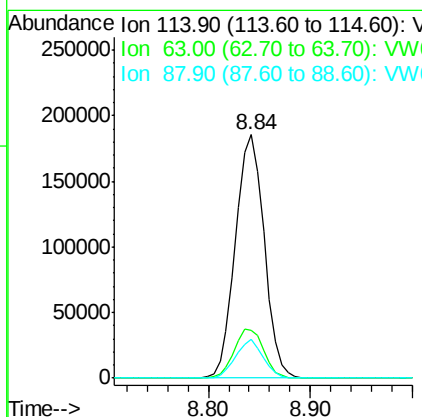
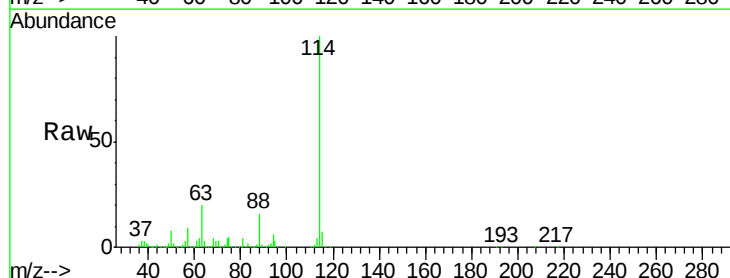
Manual Integrations
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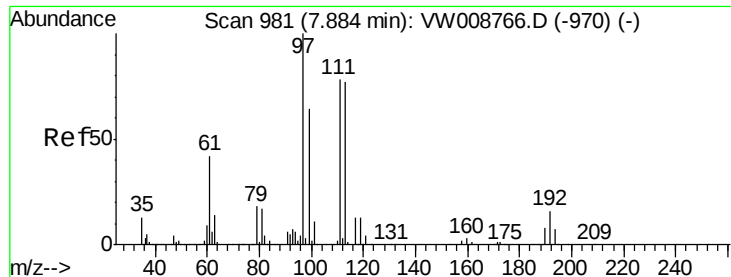
MMDadoda
 3/5/2019 4:05:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	40.8	
88	15.9	0.0	30.4	





#35

Dibromofluoromethane

Concen: 57.803 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

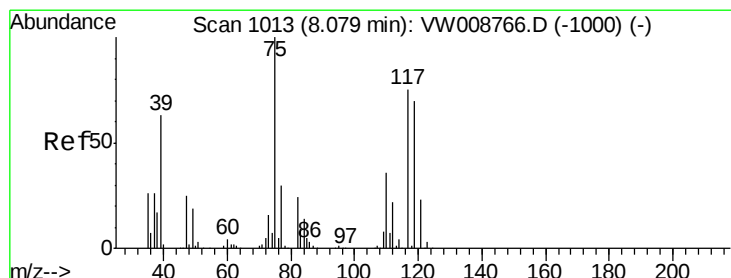
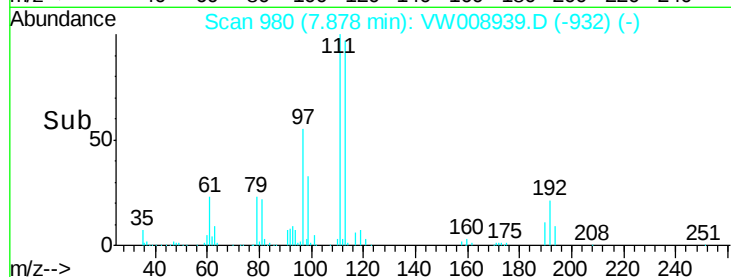
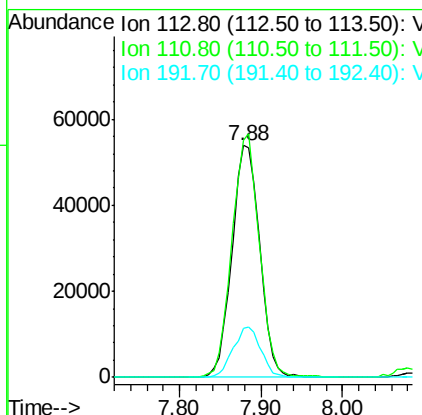
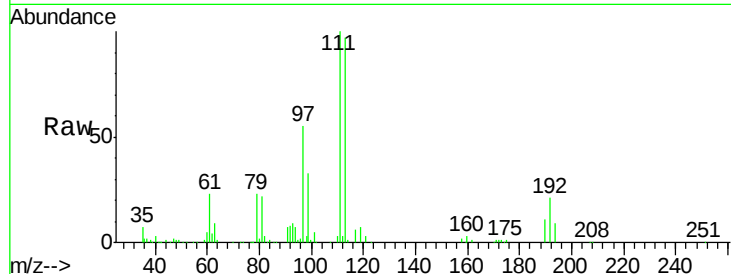
ClientSampleId :

VW0302SBS01

Tot Ion:	113	Resp:	126067
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.9	122.9
192	21.7	17.1	25.7

Manual Integrations
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3/5/2019 4:05:20 AM



#36

1,1-Dichloropropene

Concen: 22.096 ug/l

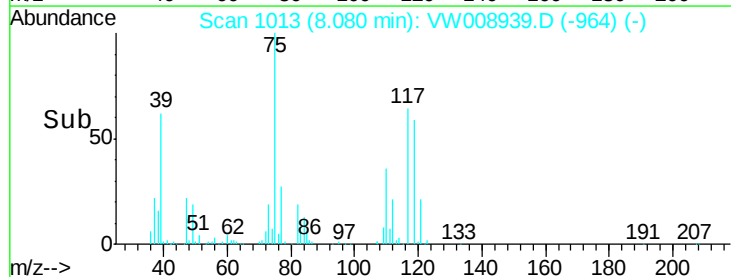
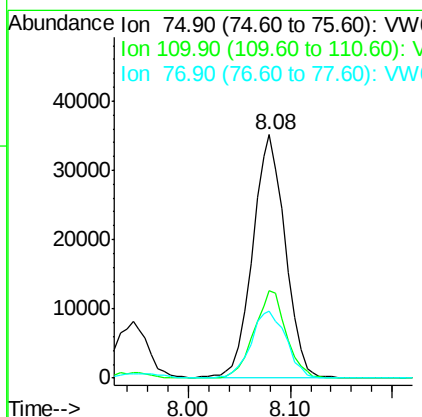
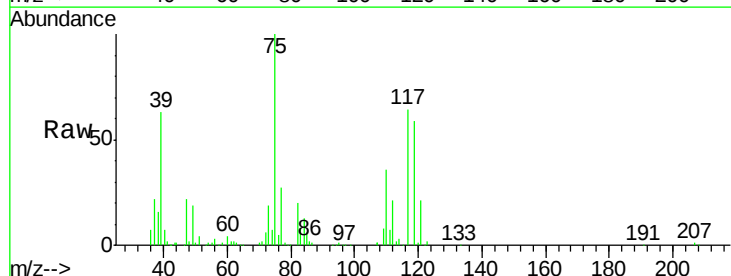
RT: 8.08 min Scan# 1013

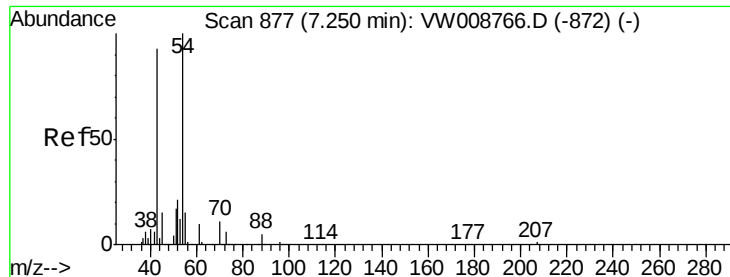
Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion:	75	Resp:	78132
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.5	52.6
77	29.7	24.5	36.7





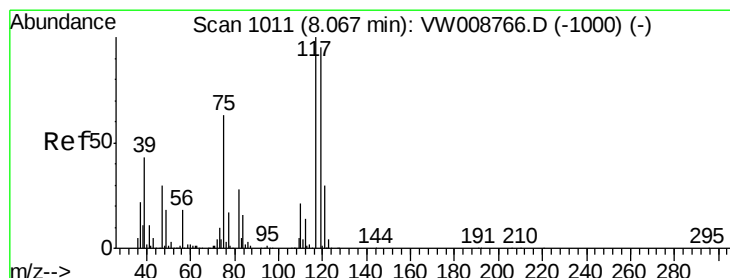
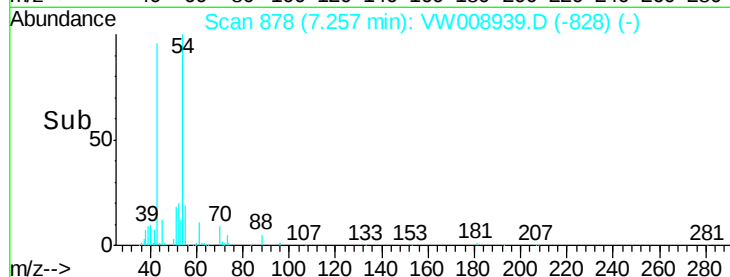
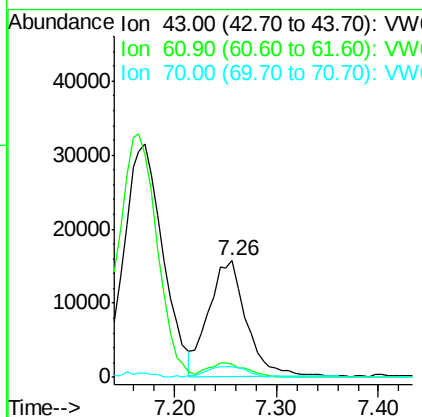
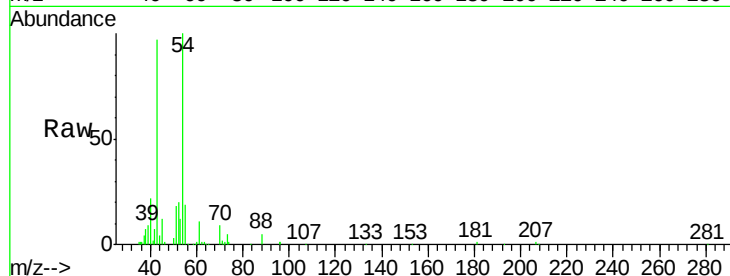
#37
Ethyl Acetate
Concen: 24.499 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.8	14.8
70	10.8	8.4	12.6

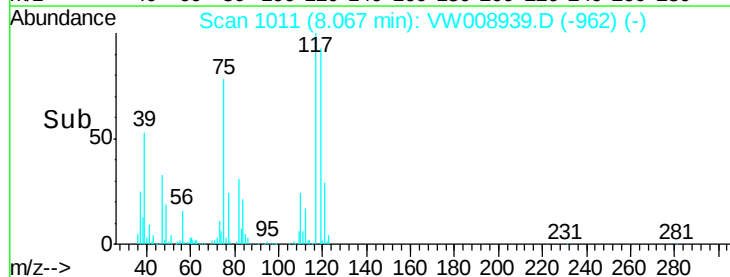
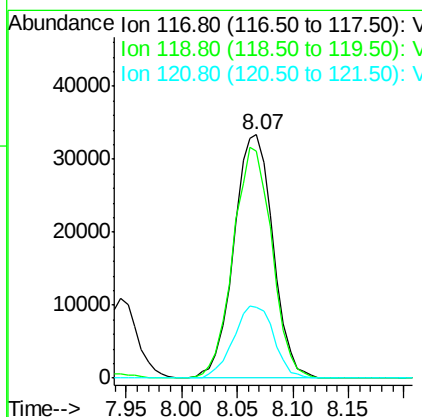
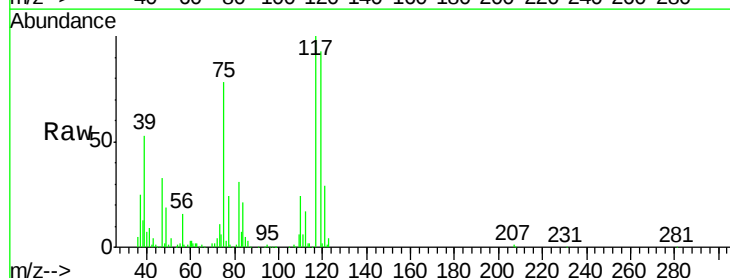
Manual Integrations
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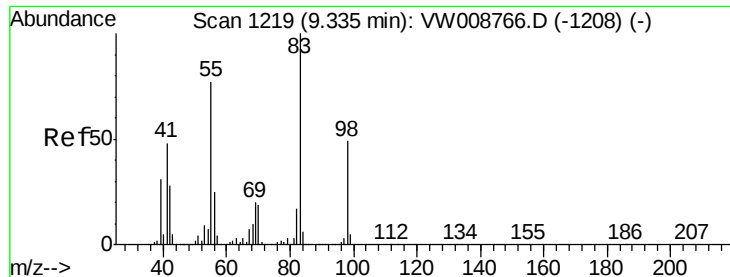
MMDadoda
3/5/2019 4:05:20 AM



#38
Carbon Tetrachloride
Concen: 21.814 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.1	114.1
121	29.2	24.0	36.0





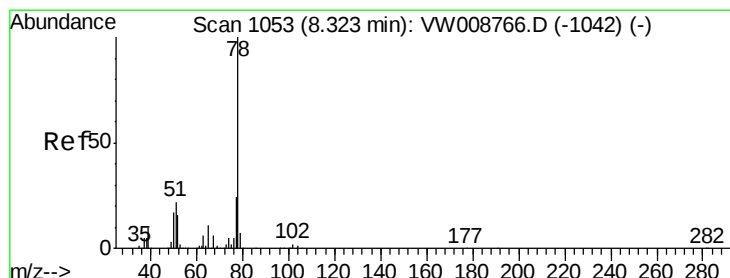
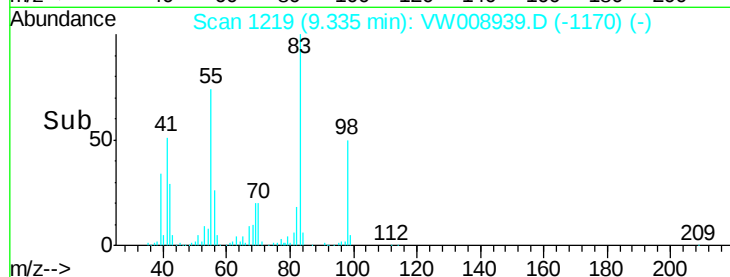
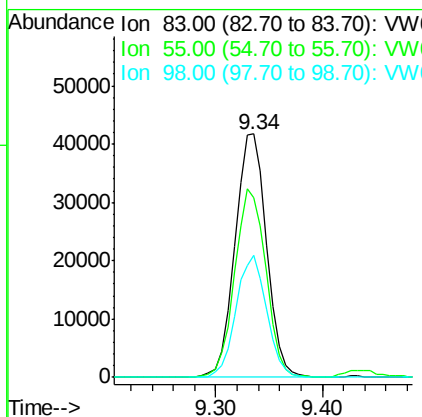
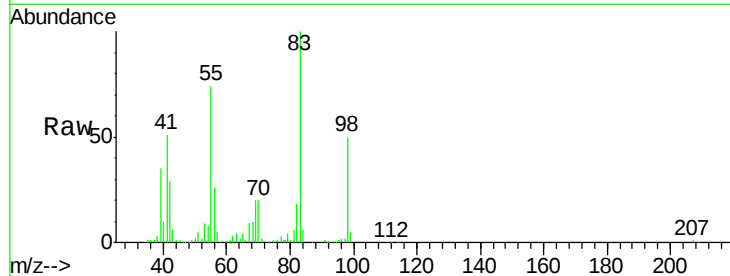
#39
Methvlcvclohexane
Concen: 19.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampled :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	61.2	91.8
98	50.0	39.4	59.2

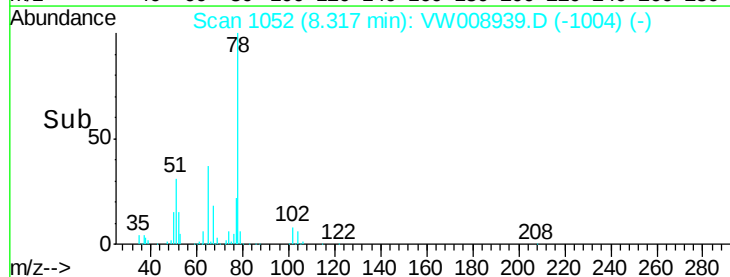
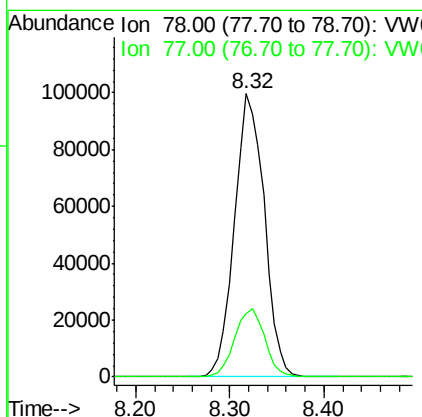
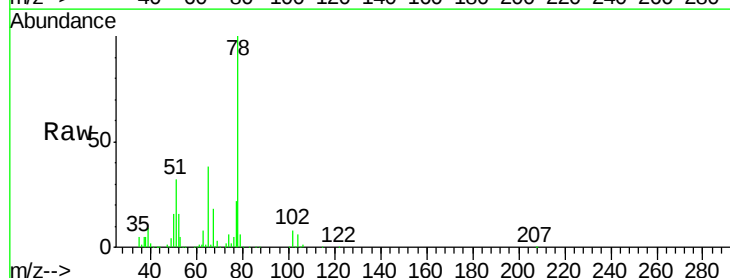
Manual Integrations
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#40
Benzene
Concen: 22.801 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.3	28.9





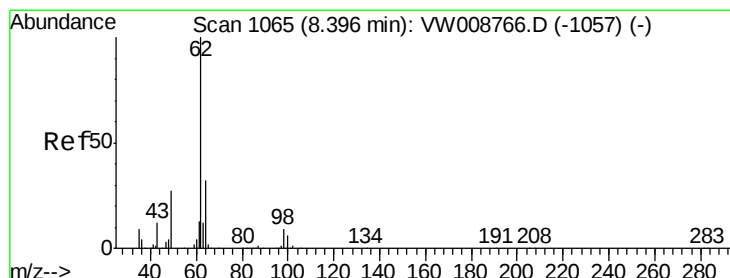
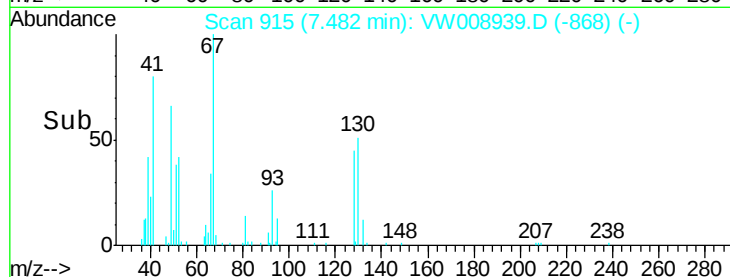
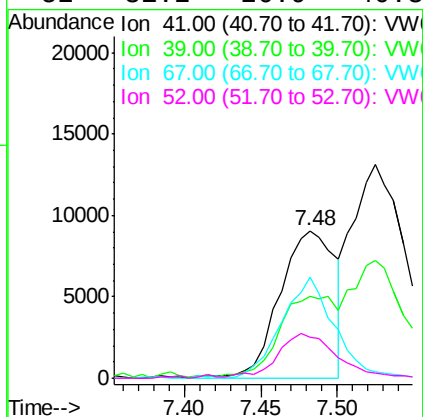
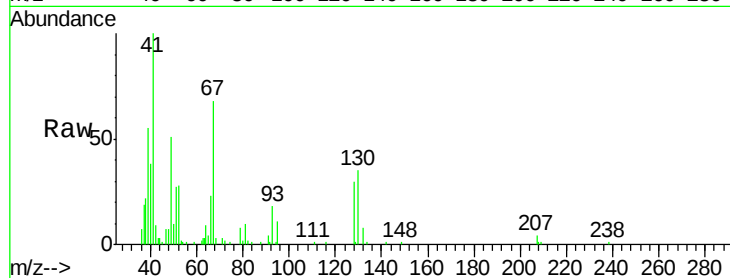
#41
Methacrylonitrile
Concen: 23.621 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	41	Resp	22830
Ion	Ratio	Lower	Upper
41	100		
39	55.9	52.5	78.7
67	65.5	55.0	82.6
52	31.2	26.9	40.3

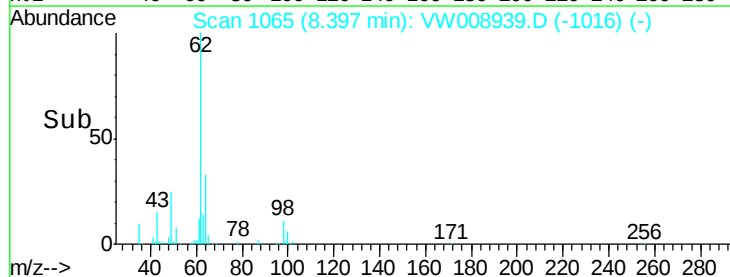
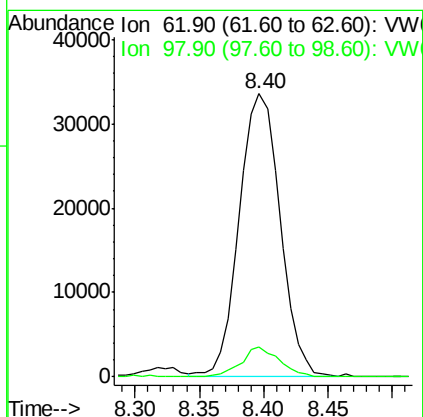
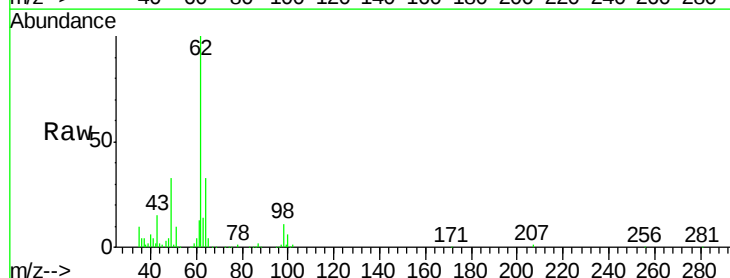
Manual Integrations
APPROVED

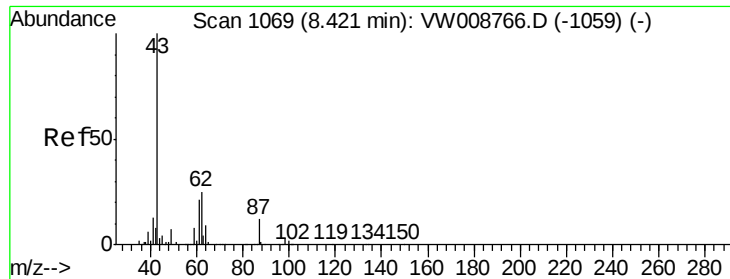
MMDadoda
3/5/2019 4:05:20 AM



#42
1,2-Dichloroethane
Concen: 24.073 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	62	Resp	73622
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.027 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

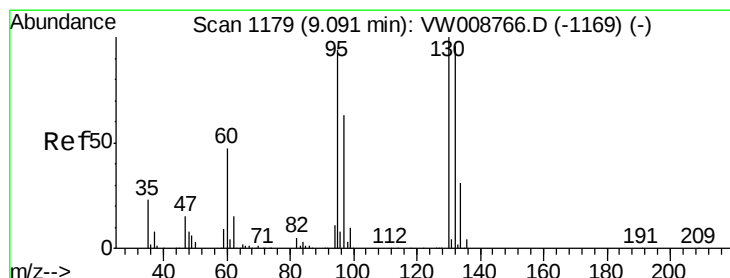
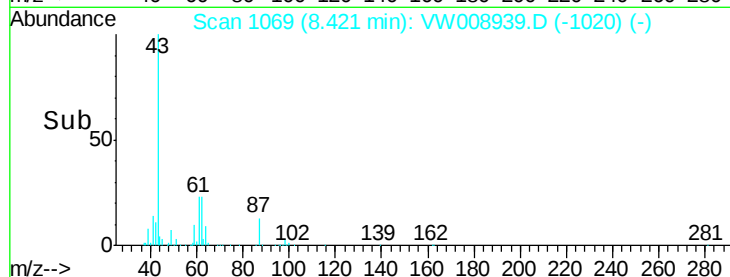
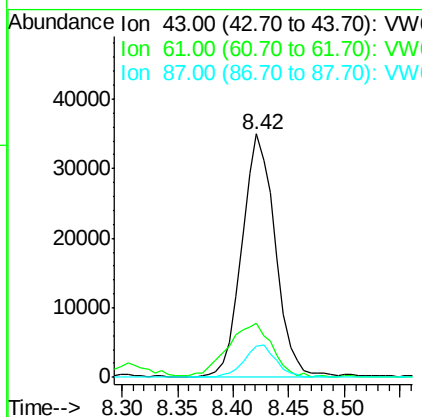
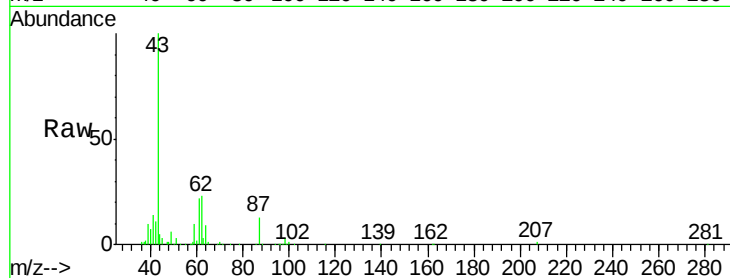
ClientSampleId :

VW0302SBS01

Tot Ion:	43	Resp:	72285
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.2	34.8
87	12.8	9.9	14.9

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#44

Trichloroethene

Concen: 22.328 ug/l

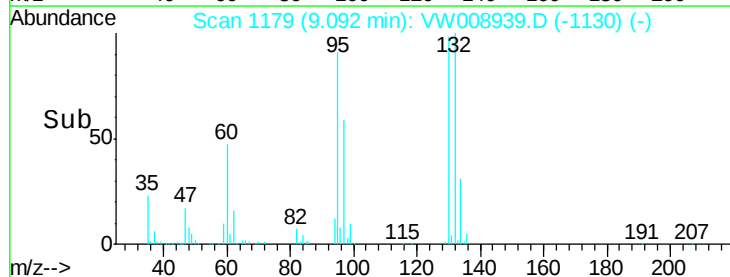
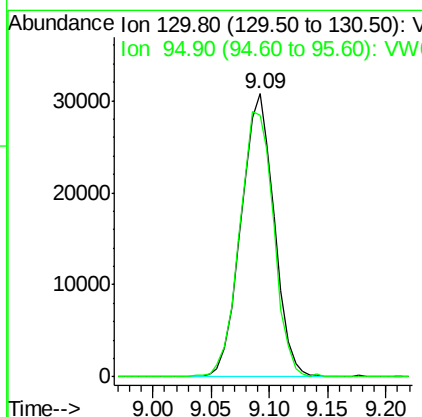
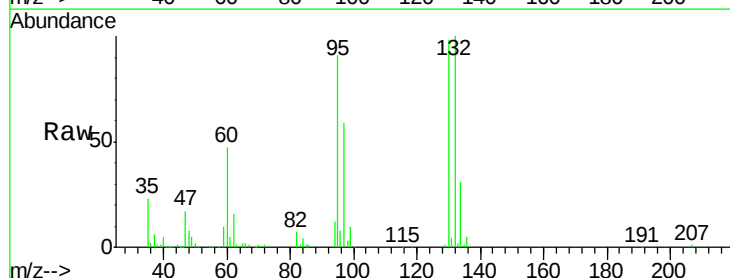
RT: 9.09 min Scan# 1179

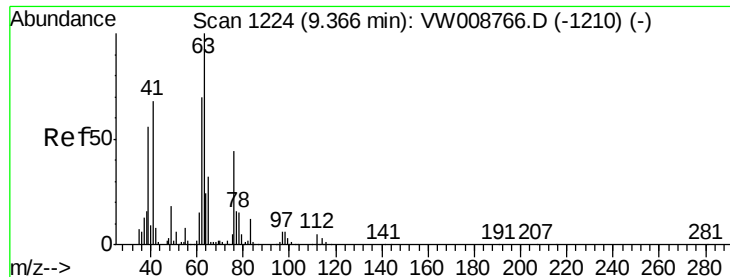
Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion:	130	Resp:	60725
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	188.6





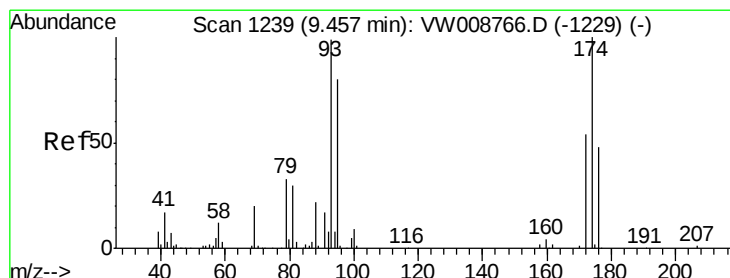
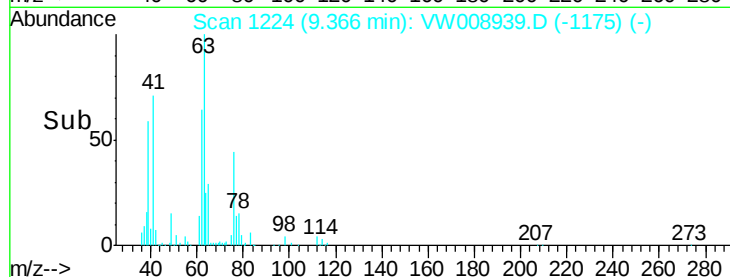
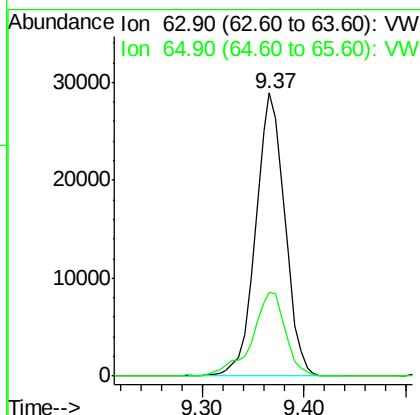
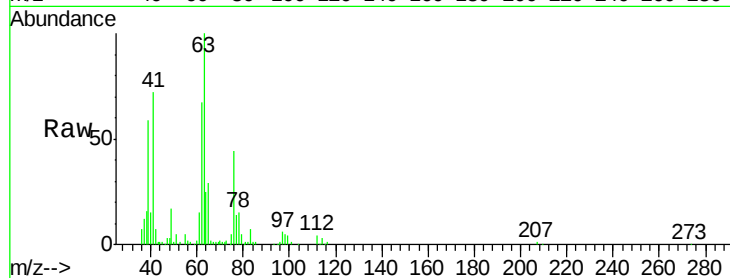
#45
 1,2-Dichloropropane
 Concen: 24.157 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion: 63 Resp: 57632
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.5 38.3

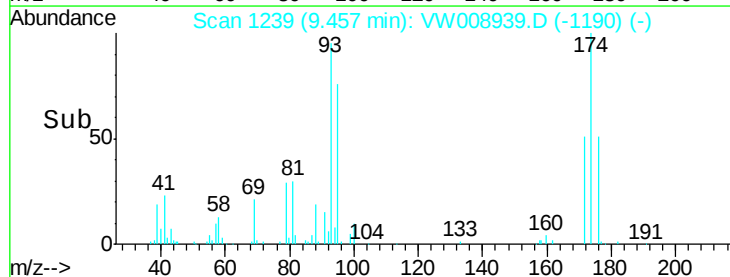
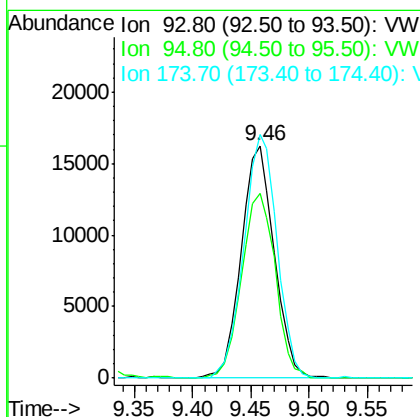
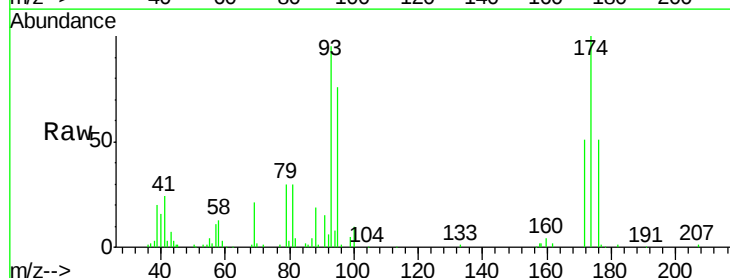
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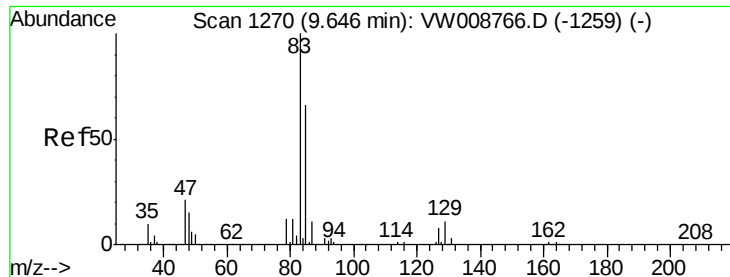
MMDadoda
 3/5/2019 4:05:20 AM



#46
 Dibromomethane
 Concen: 24.257 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion: 93 Resp: 32189
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.7 101.5
 174 105.2 86.7 130.1





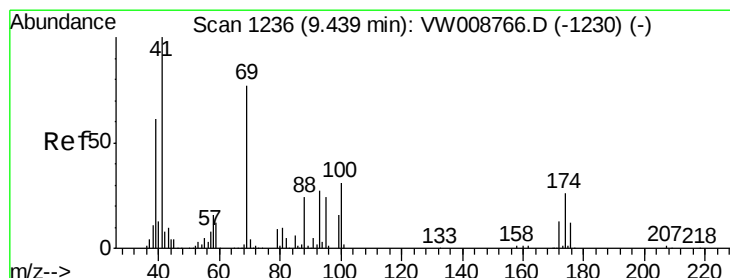
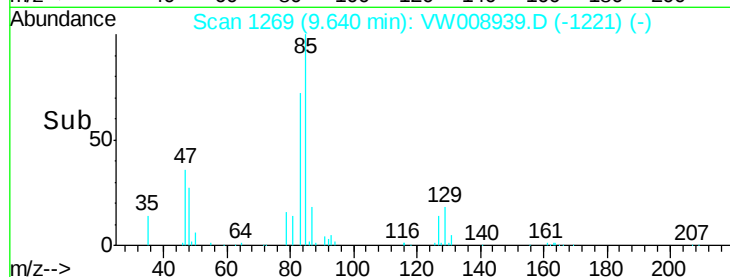
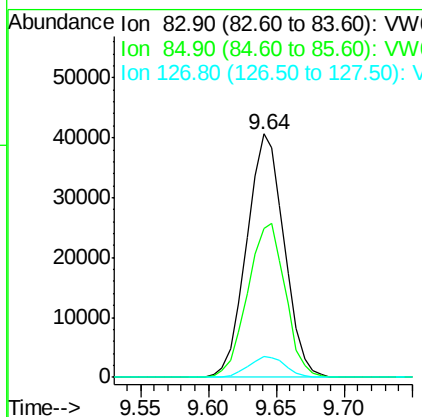
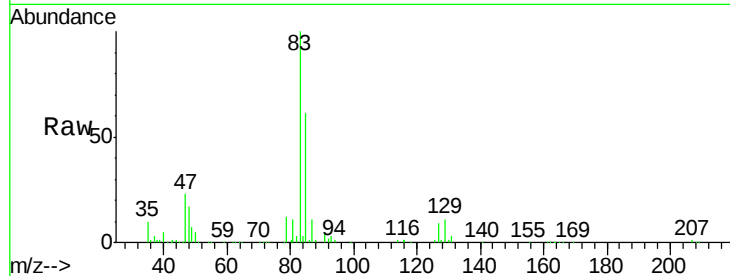
#47
Bromodichloromethane
Concen: 24.273 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.5	78.7
127	8.7	6.7	10.1

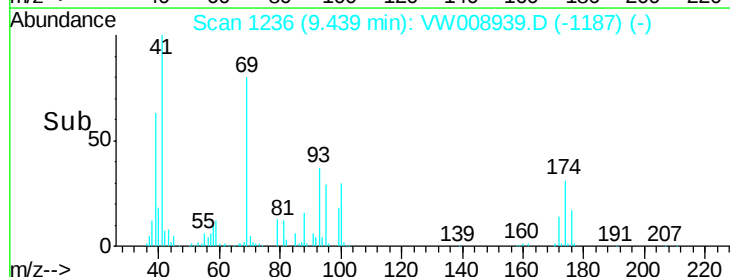
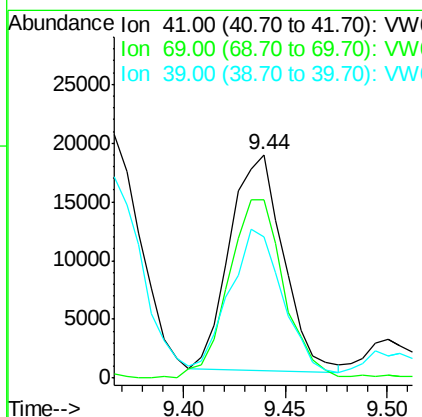
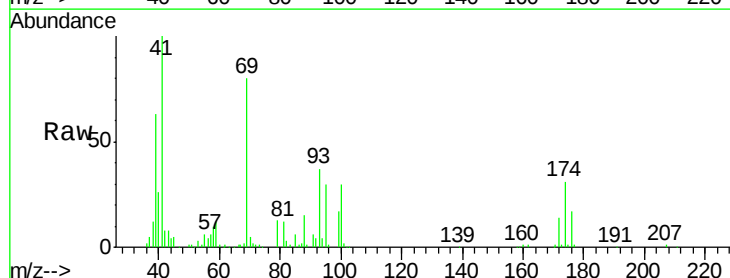
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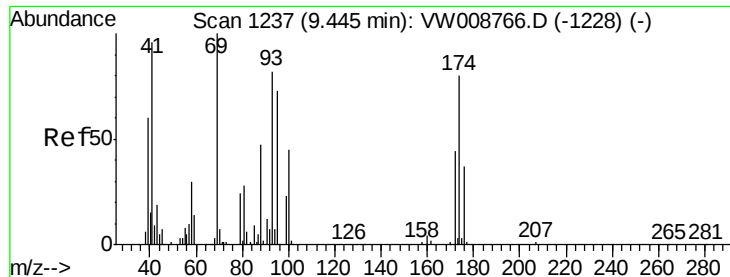
MMDadoda
3/5/2019 4:05:20 AM



#48
Methyl methacrylate
Concen: 21.353 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.1	63.6	95.4
39	65.2	52.1	78.1





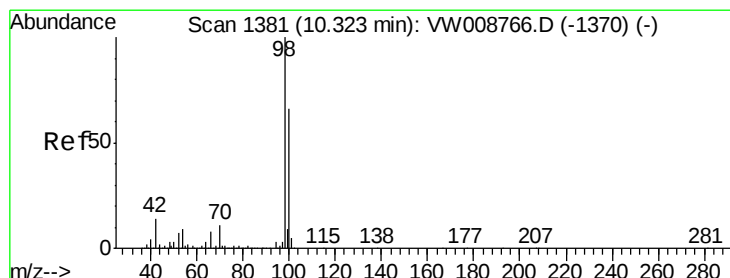
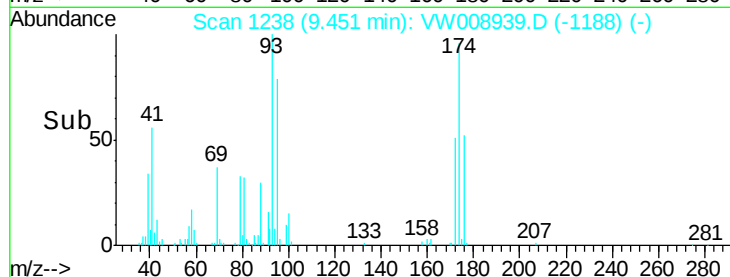
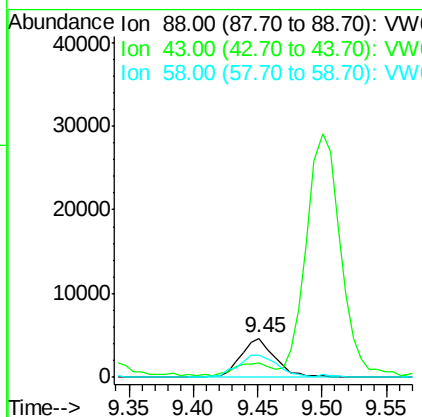
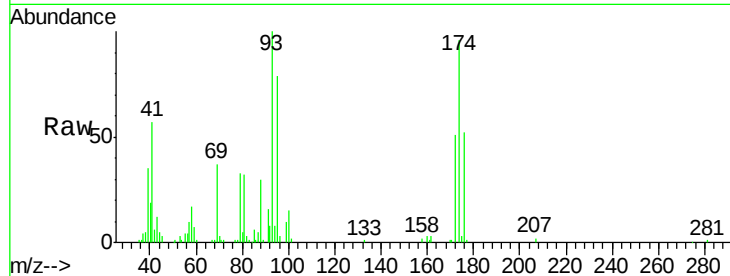
#49
1,4-Dioxane
Concen: 406.004 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	29.0	43.4
58	67.9	52.0	78.0

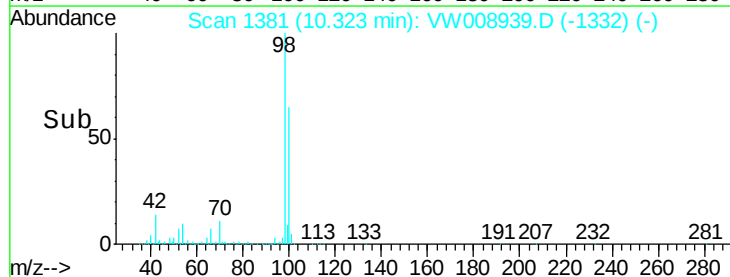
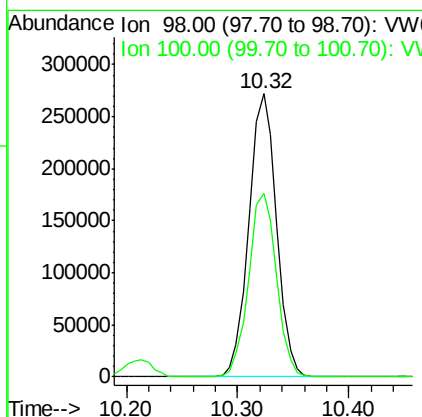
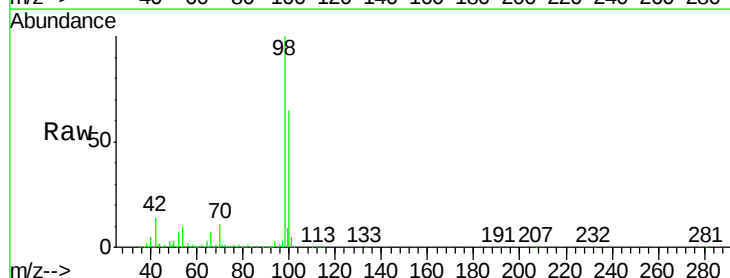
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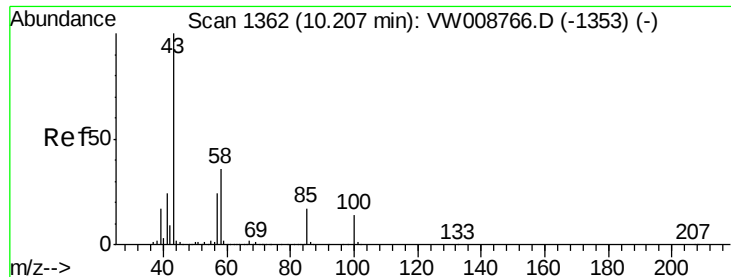
MMDadoda
3/5/2019 4:05:20 AM



#50
Toluene-d8
Concen: 55.863 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 113.021 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampled :

VW0302SBS01

Tot Ion: 43 Resp: 188307

Ion Ratio Lower Upper

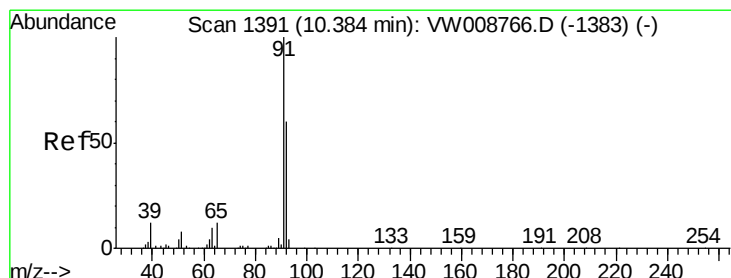
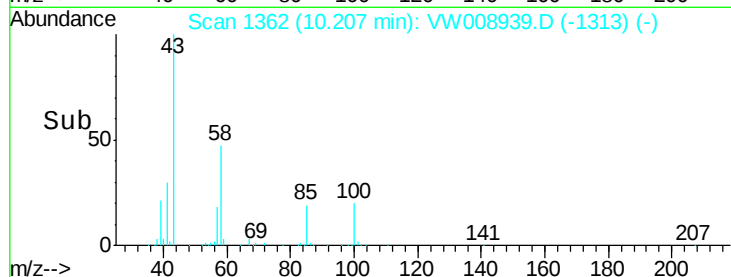
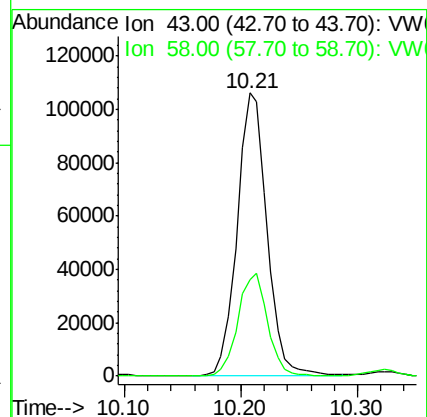
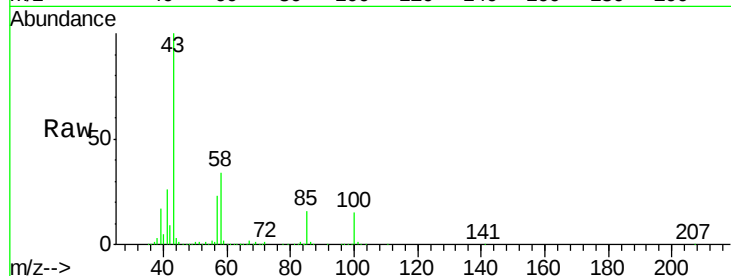
43 100

58 36.5 29.1 43.7

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#52

Toluene

Concen: 21.870 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008939.D

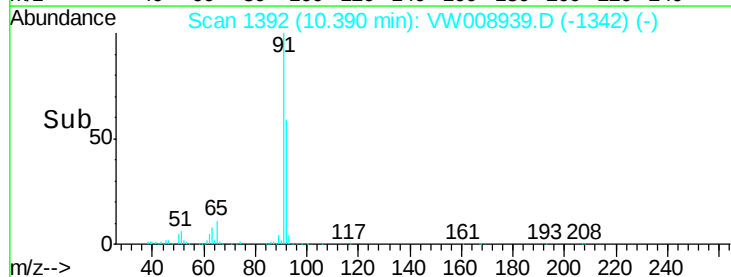
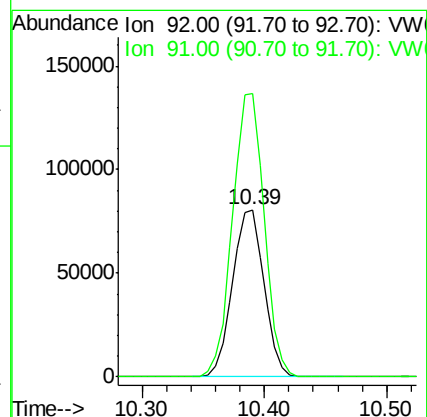
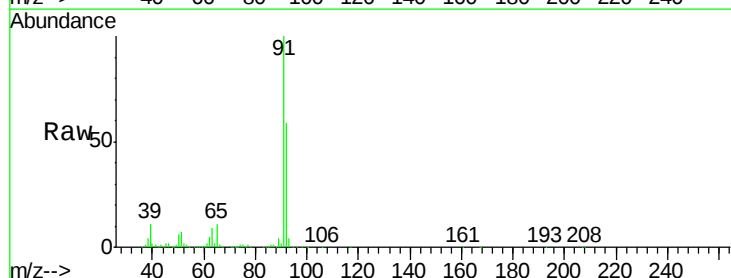
Acq: 02 Mar 2019 00:38

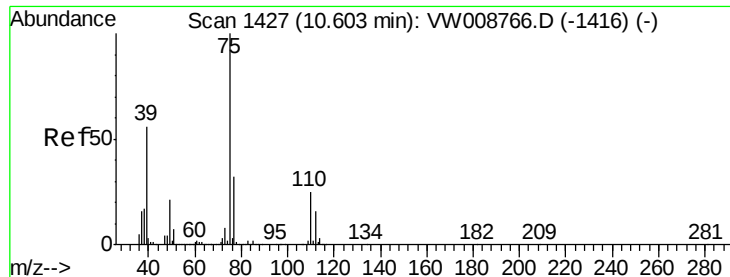
Tgt Ion: 92 Resp: 143292

Ion Ratio Lower Upper

92 100

91 170.7 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 22.065 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 75 Resp: 72614

Ion Ratio Lower Upper

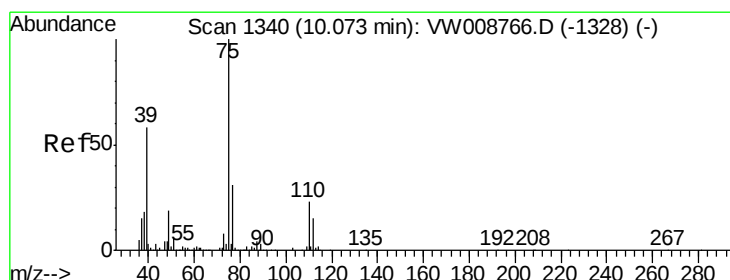
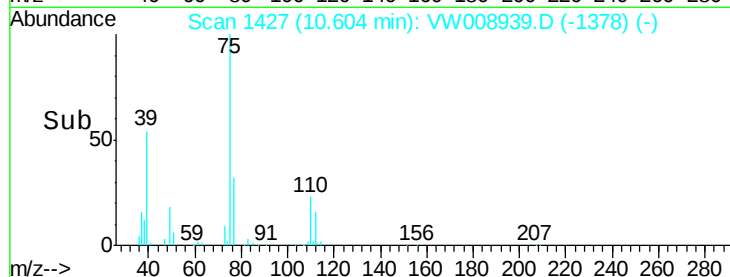
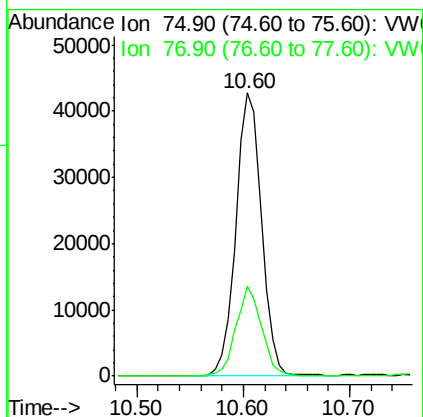
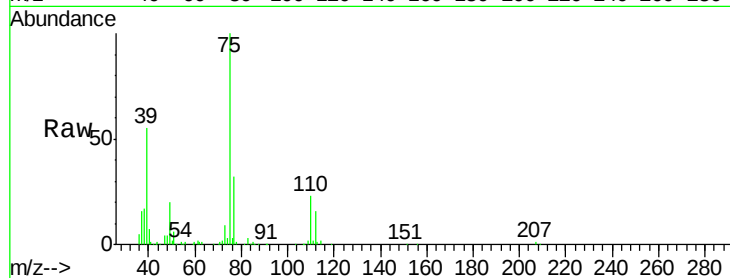
75 100

77 31.6 26.1 39.1

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 22.365 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

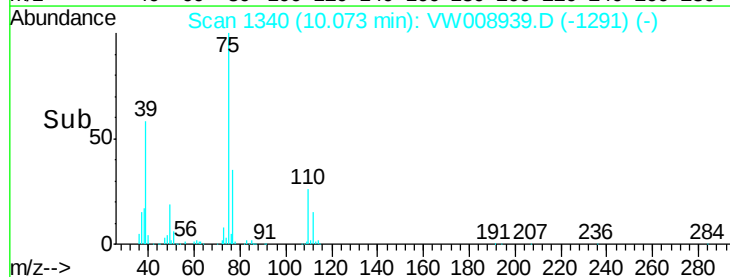
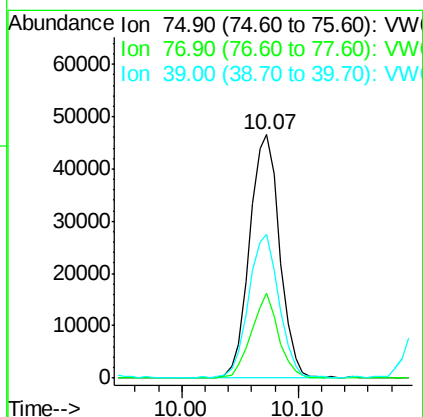
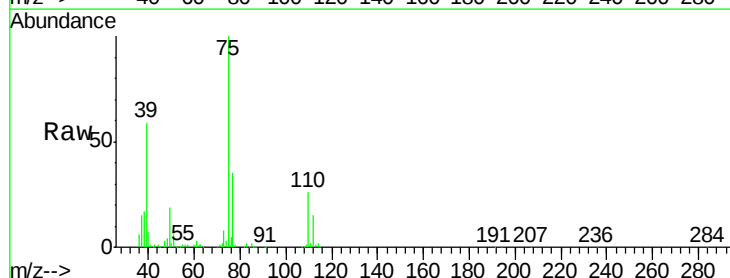
Tgt Ion: 75 Resp: 83944

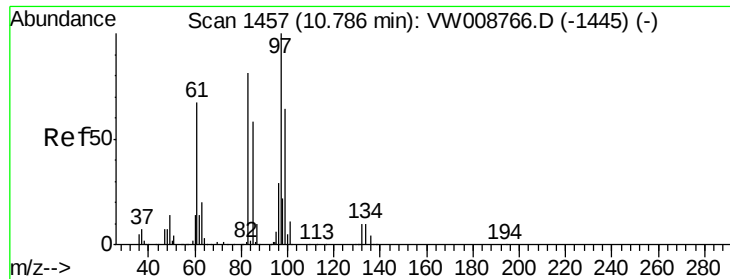
Ion Ratio Lower Upper

75 100

77 34.9 25.0 37.4

39 59.0 46.6 70.0





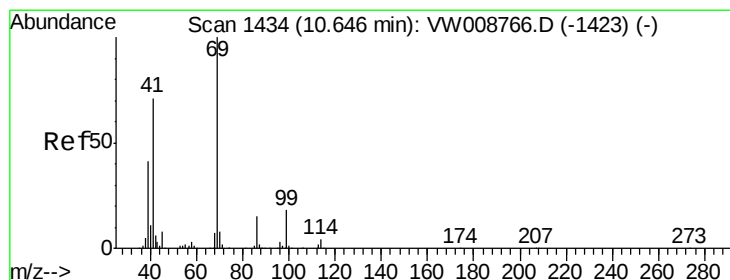
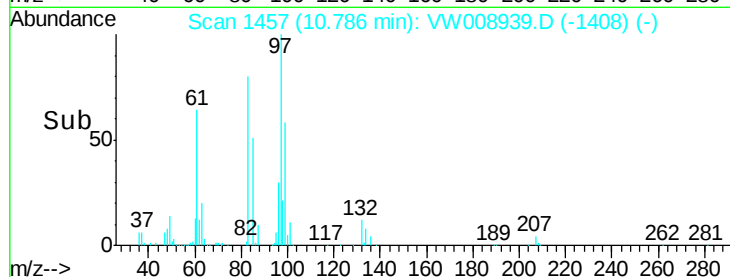
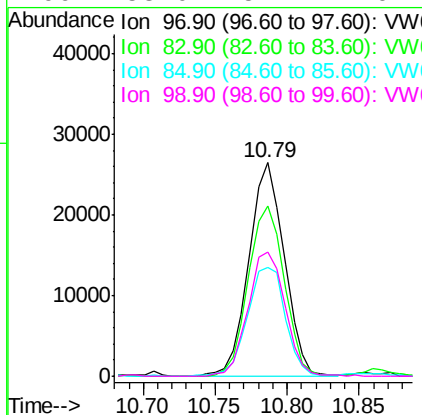
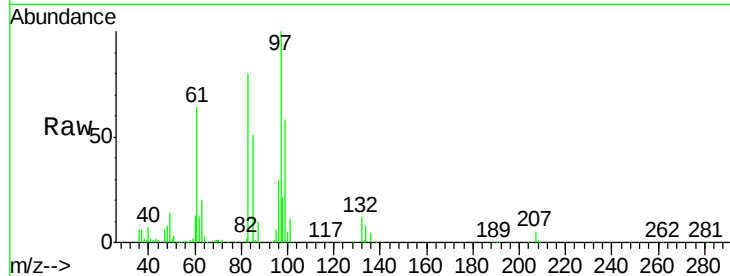
#55
 1,1,2-Trichloroethane
 Concen: 25.034 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45053		
83	79.9	65.0	97.6		
85	50.8	46.0	69.0		
99	58.0	51.1	76.7		

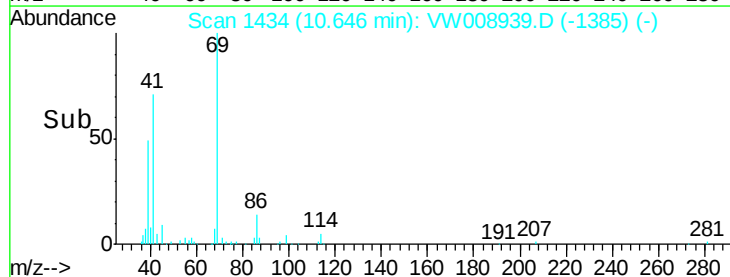
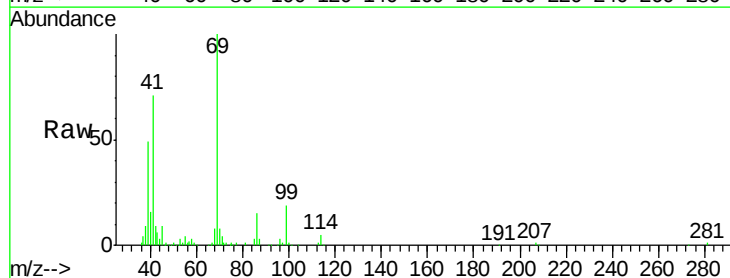
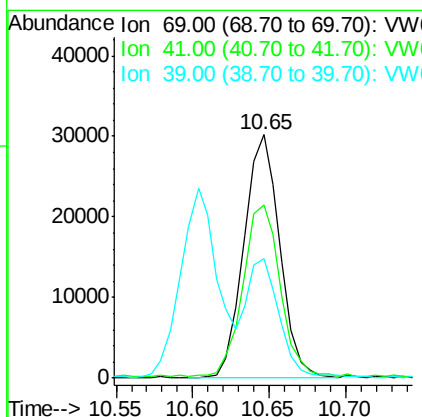
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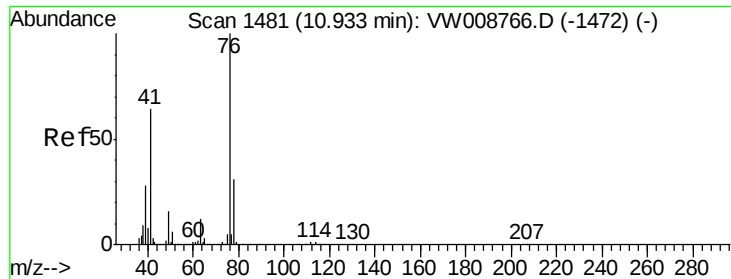
MMDadoda
 3/5/2019 4:05:20 AM



#56
 Ethyl methacrylate
 Concen: 21.047 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		49210		
41	74.7	57.4	86.0		
39	45.8	34.8	52.2		





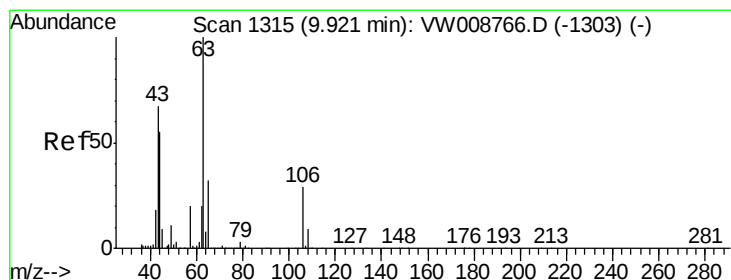
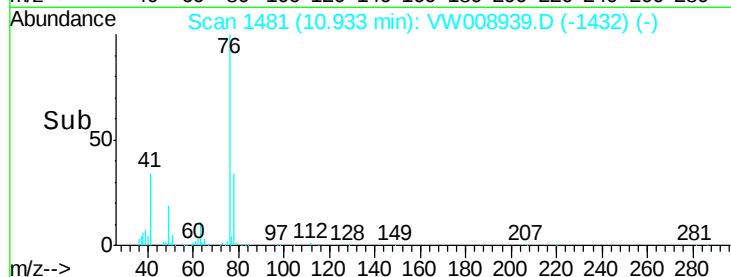
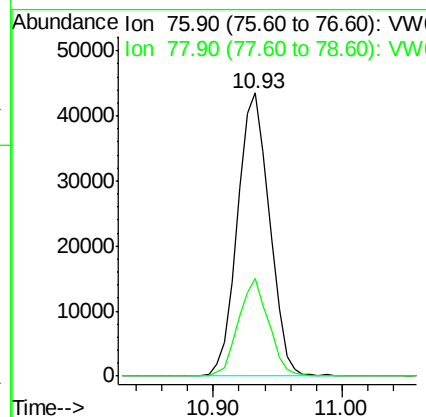
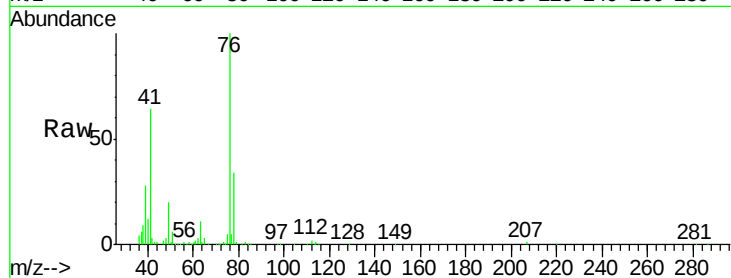
#57
 1,3-Dichloropropane
 Concen: 23.598 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0302SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

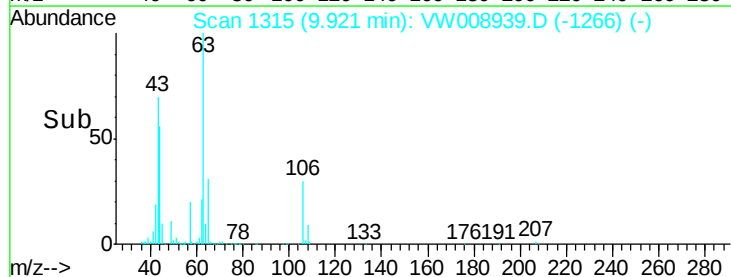
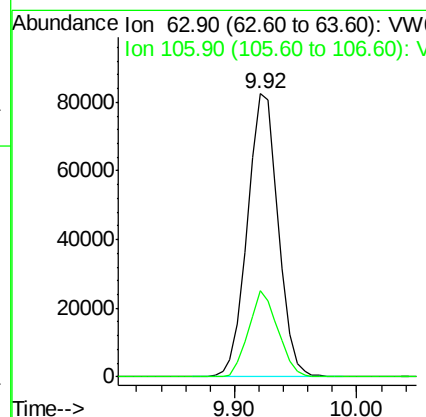
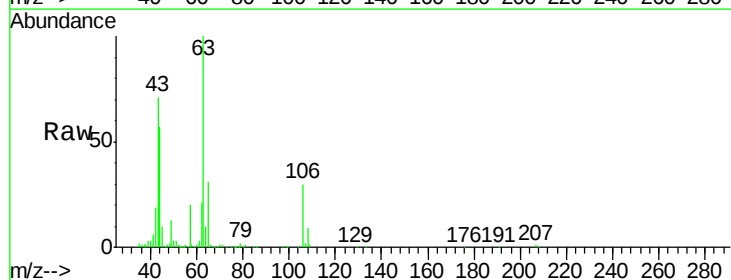
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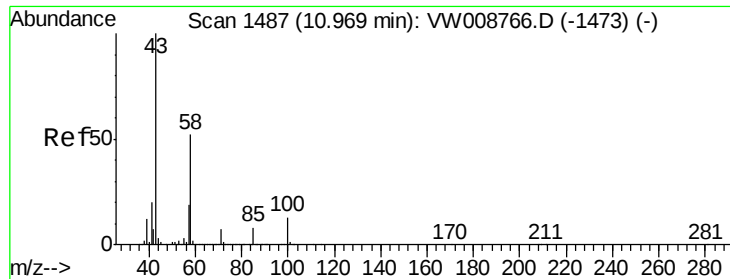
MMDadoda
 3/5/2019 4:05:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.770 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	24.0	36.0





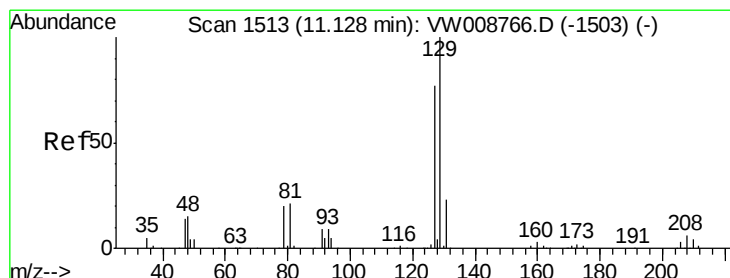
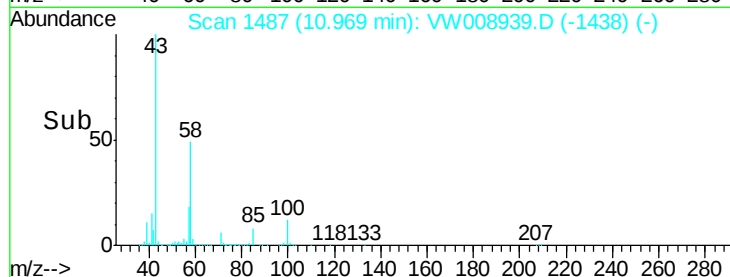
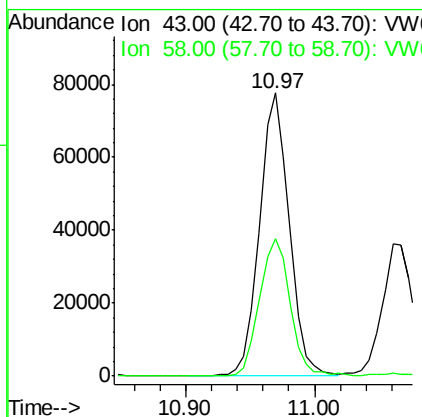
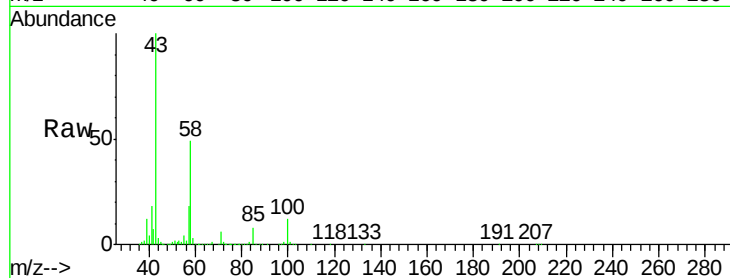
#59
2-Hexanone
Concen: 103.560 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion: 43 Resp: 122824
Ion Ratio Lower Upper
43 100
58 50.7 25.3 75.8

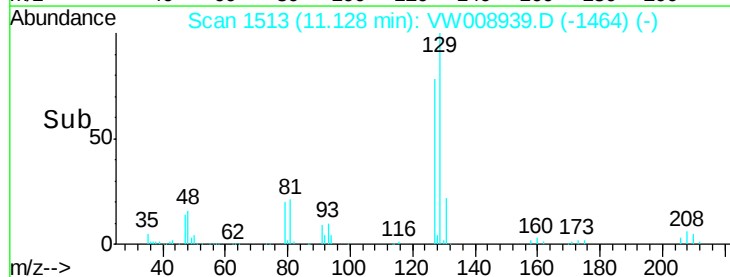
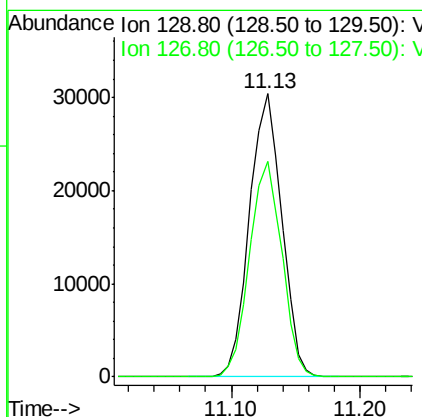
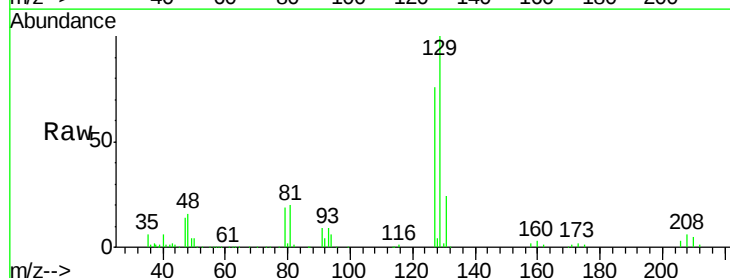
Manual Integrations
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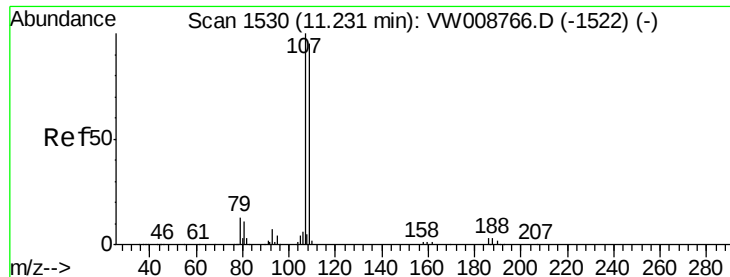
MMDadoda
3/5/2019 4:05:20 AM



#60
Dibromochloromethane
Concen: 24.010 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion: 129 Resp: 52704
Ion Ratio Lower Upper
129 100
127 75.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 23.186 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 107 Resp: 41303

Ion Ratio Lower Upper

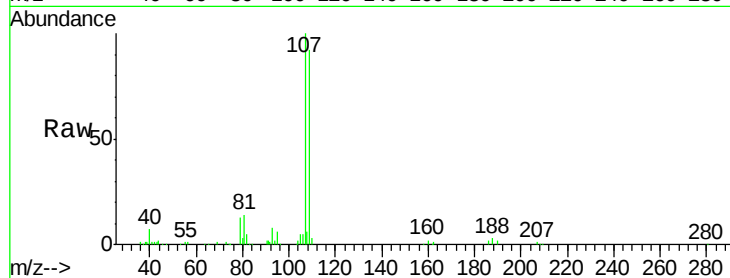
107 100

109 92.2 75.6 113.4

Manual Integrations
APPROVED

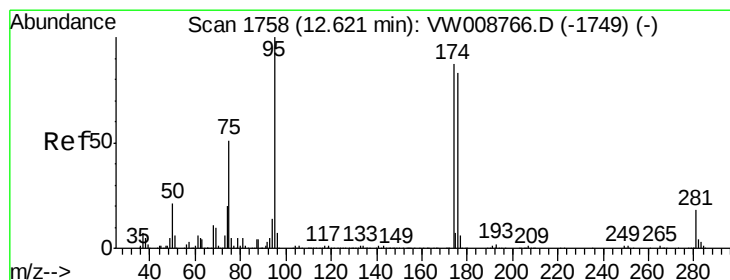
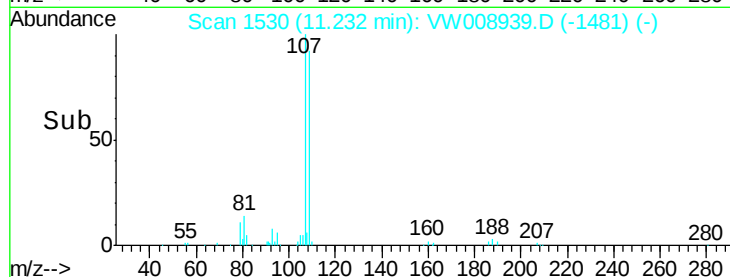
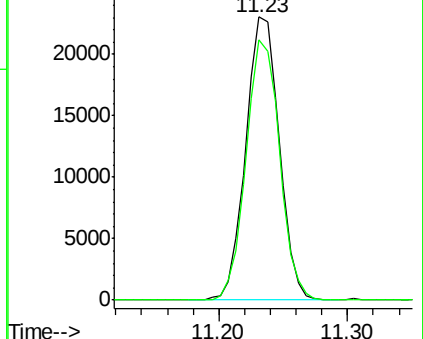
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.703 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

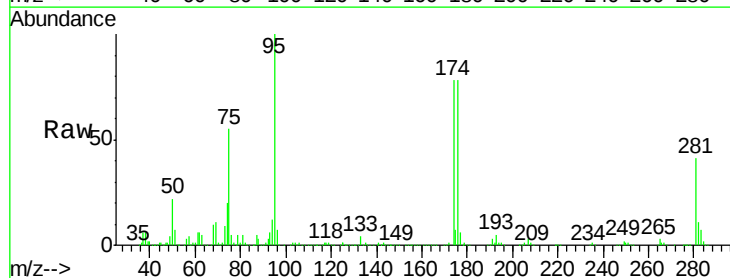
Tgt Ion: 95 Resp: 180327

Ion Ratio Lower Upper

95 100

174 84.8 0.0 169.2

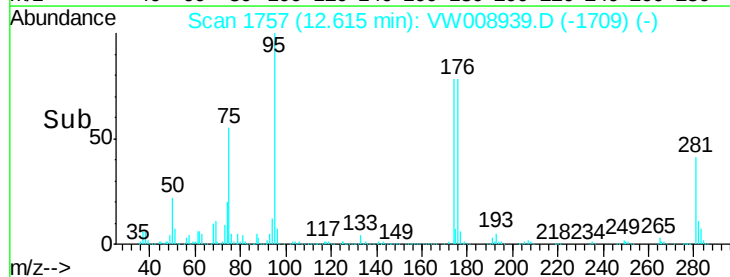
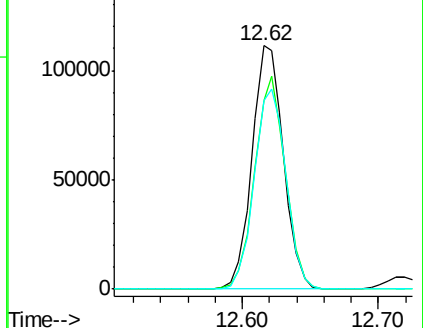
176 83.3 0.0 163.6

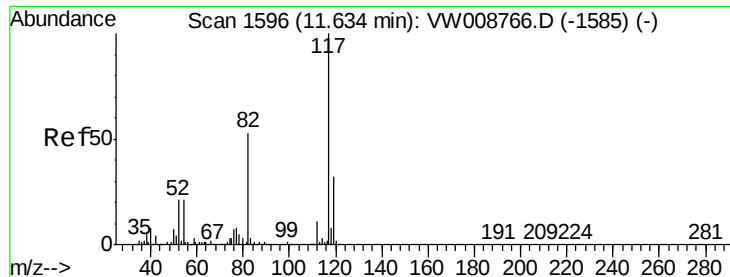


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





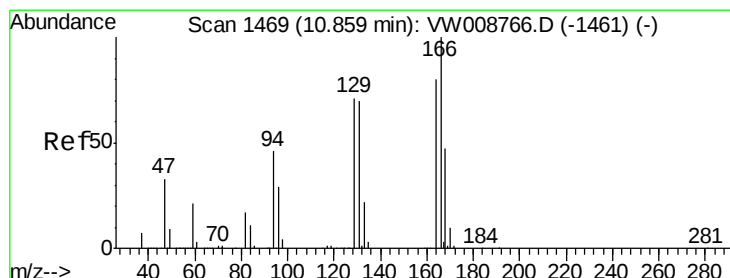
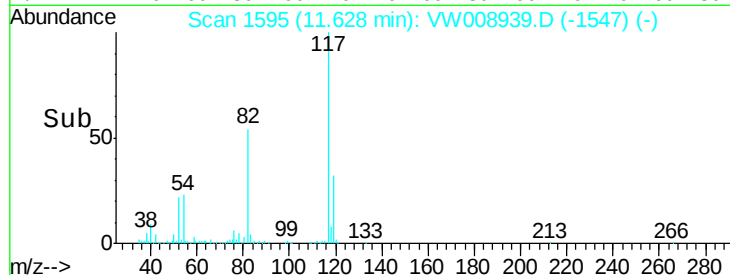
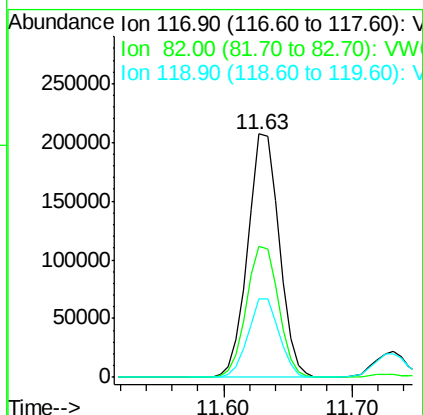
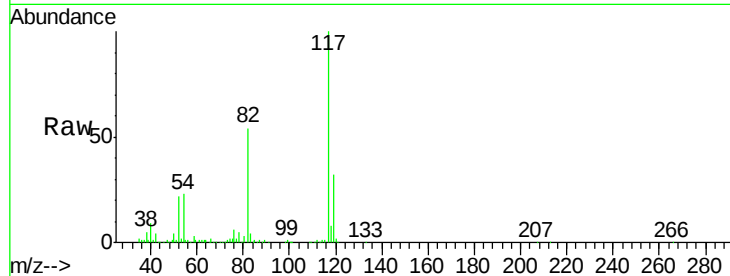
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.2	63.4
119	32.4	25.9	38.9

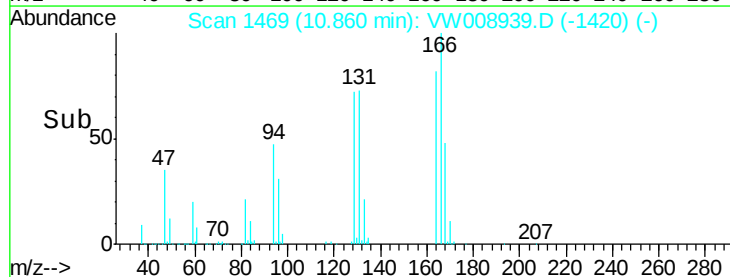
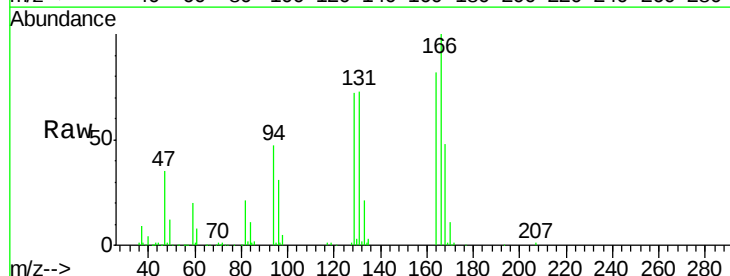
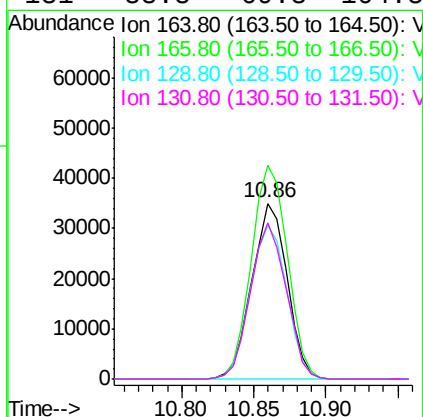
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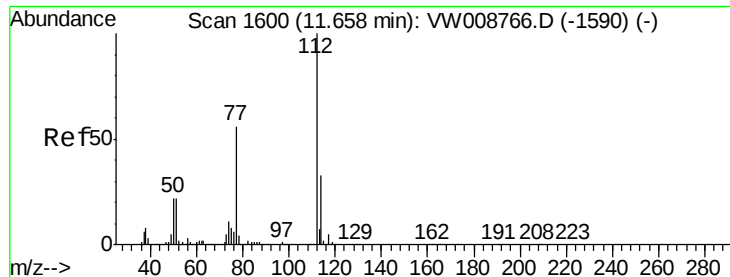
MMDadoda
3/5/2019 4:05:20 AM



#64
Tetrachloroethene
Concen: 23.711 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	99.5	149.3
129	87.8	71.1	106.7
131	88.8	69.8	104.8





#65

Chlorobenzene

Concen: 22.009 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion:112 Resp: 161349

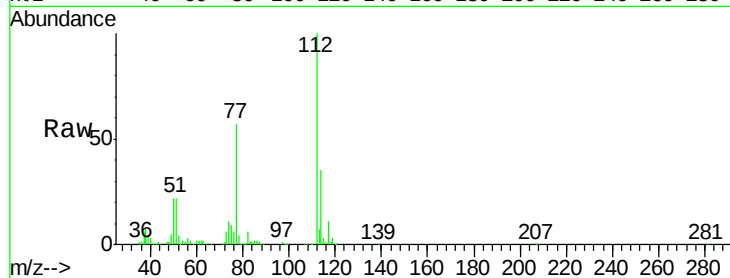
Ion Ratio Lower Upper

112 100

114 35.3 26.6 40.0

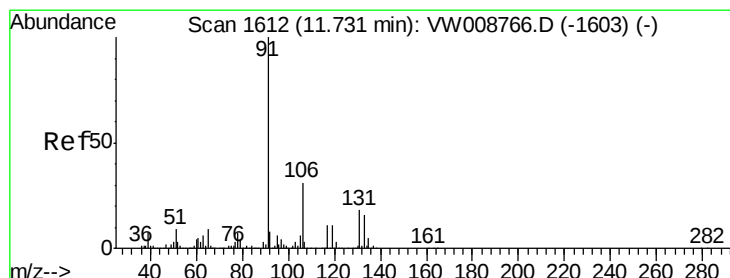
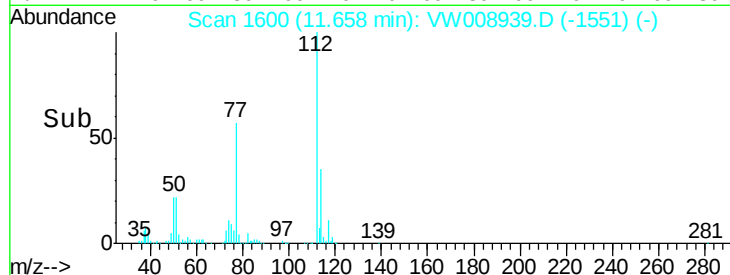
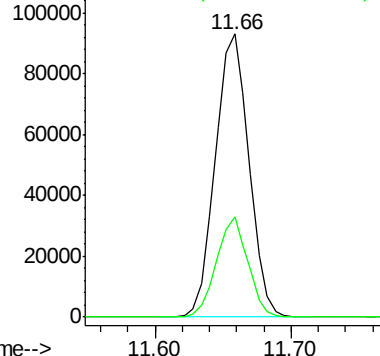
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.931 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

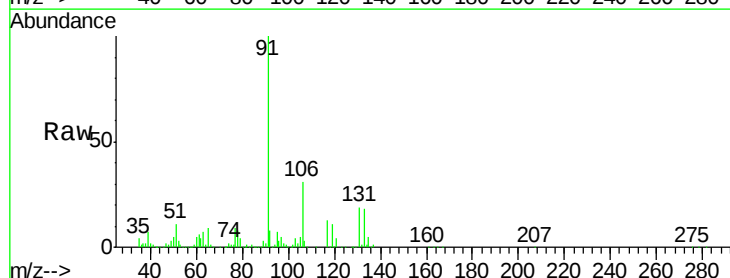
Tgt Ion:131 Resp: 56840

Ion Ratio Lower Upper

131 100

133 96.0 46.7 140.0

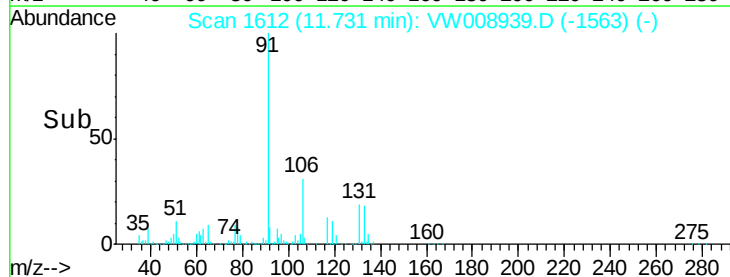
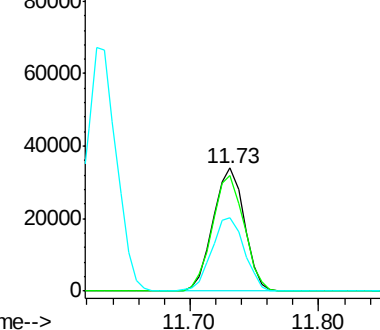
119 62.4 30.8 92.4

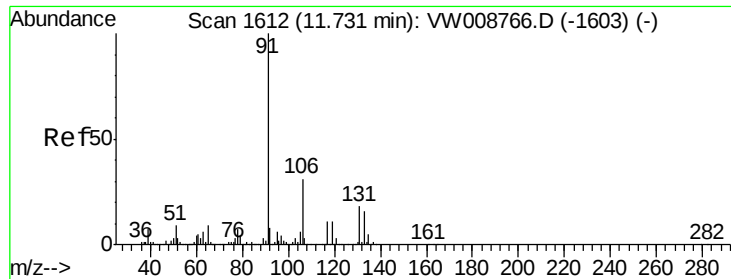


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.946 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 91 Resp: 274503

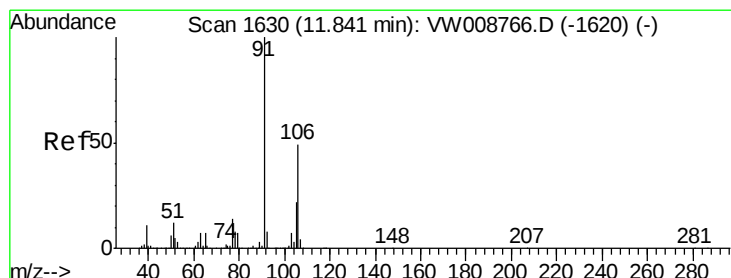
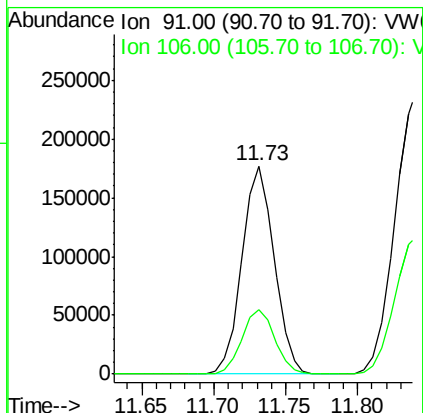
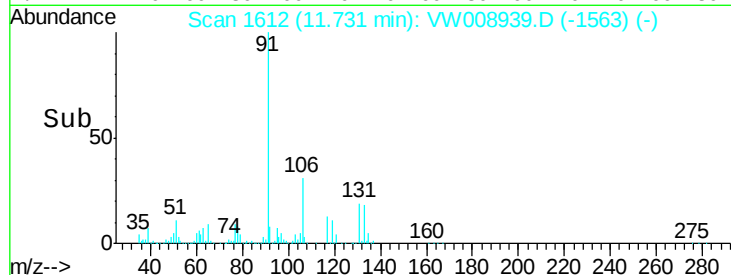
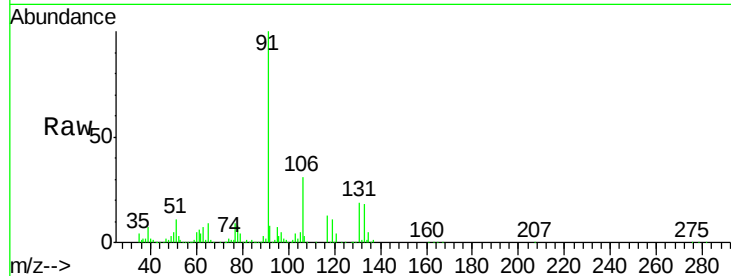
Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6

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#68

m/p-Xylenes

Concen: 42.410 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008939.D

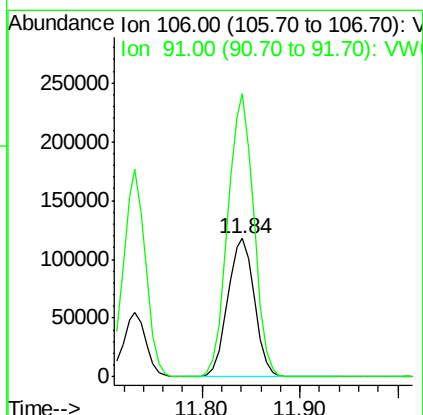
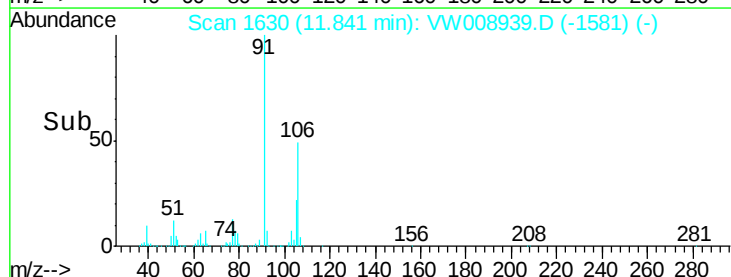
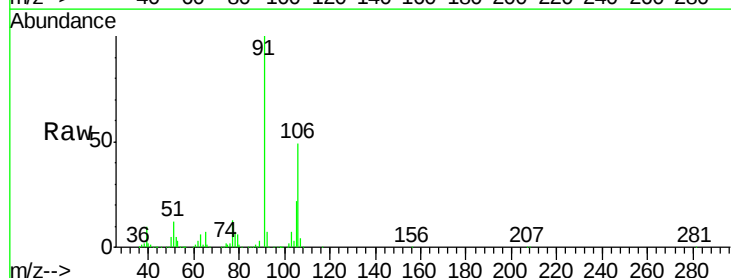
Acq: 02 Mar 2019 00:38

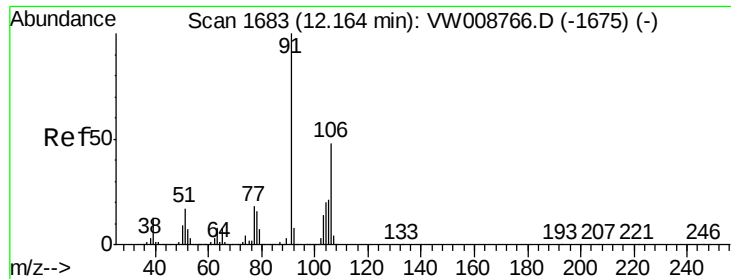
Tgt Ion: 106 Resp: 222070

Ion Ratio Lower Upper

106 100

91 199.0 161.5 242.3





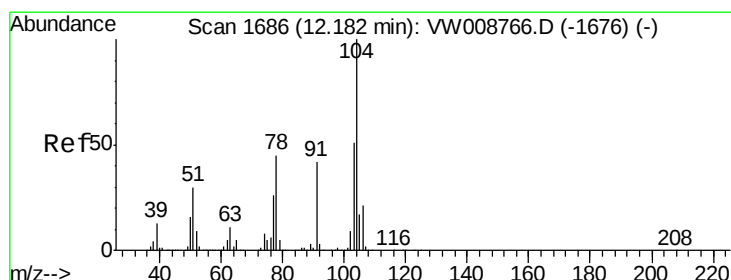
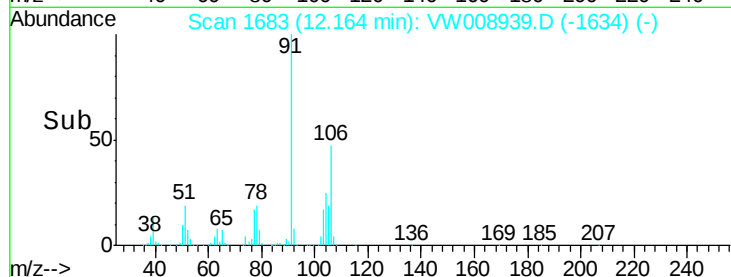
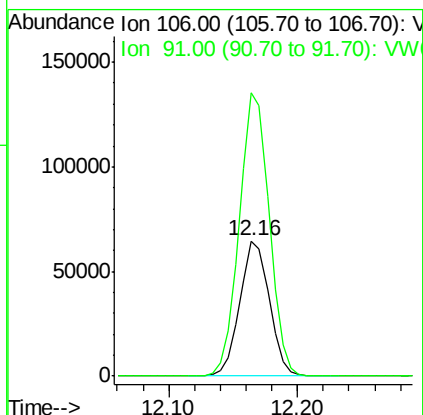
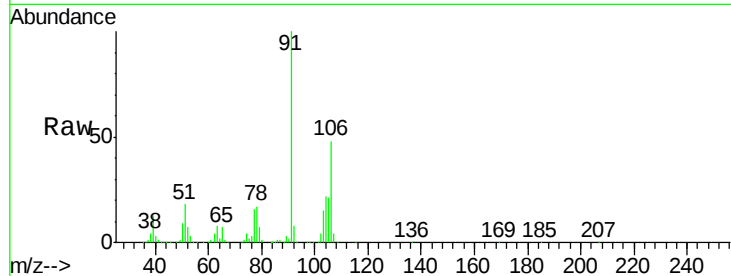
#69
o-Xylene
Concen: 20.852 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion:106 Resp: 102481
Ion Ratio Lower Upper
106 100
91 212.5 106.2 318.6

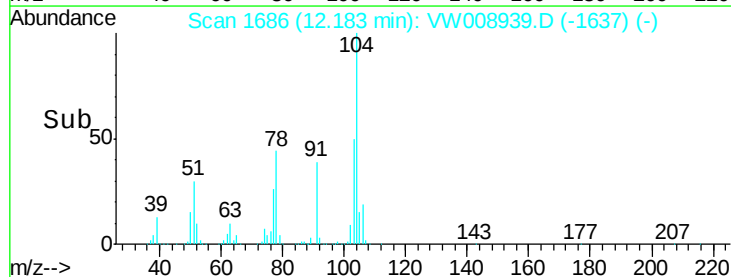
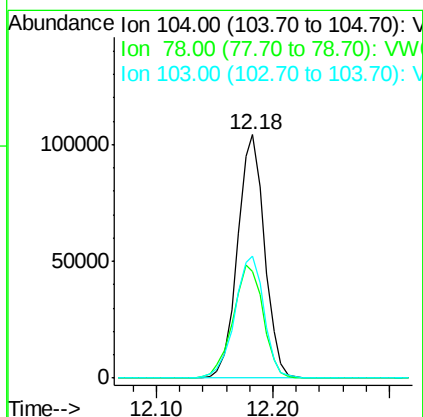
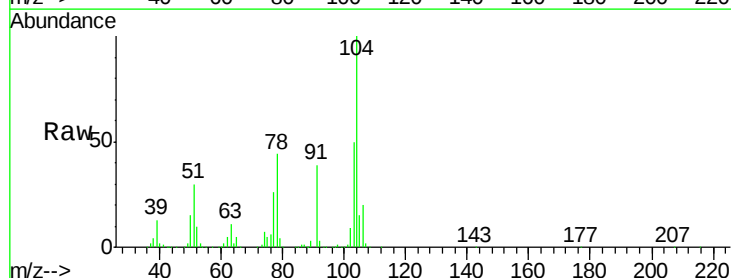
Manual Integrations
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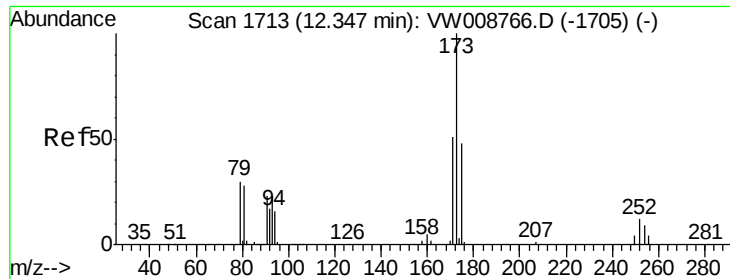
MMDadoda
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#70
Styrene
Concen: 21.337 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion:104 Resp: 168715
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 54.4 44.2 66.2





#71

Bromoform

Concen: 22.764 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

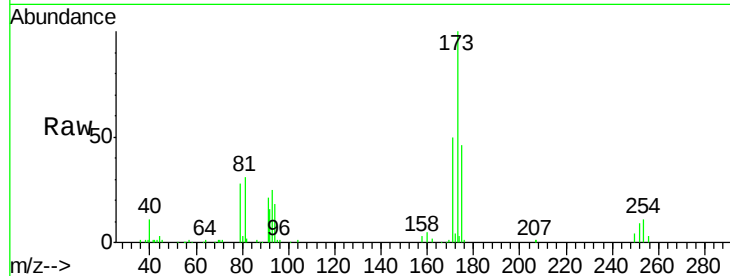
ClientSampleId :

VW0302SBS01

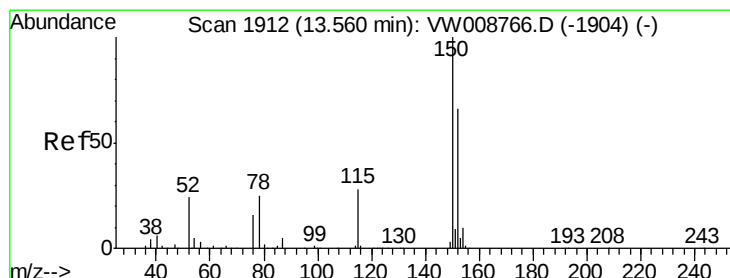
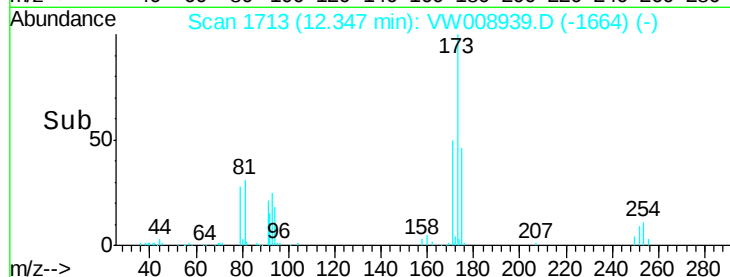
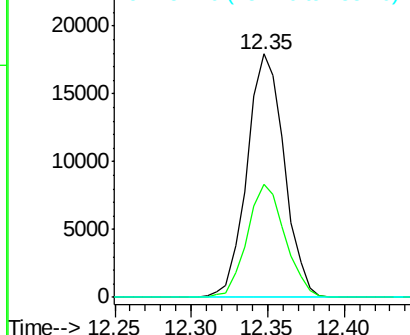
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.2	72.6
254	0.0	0.2	0.4

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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

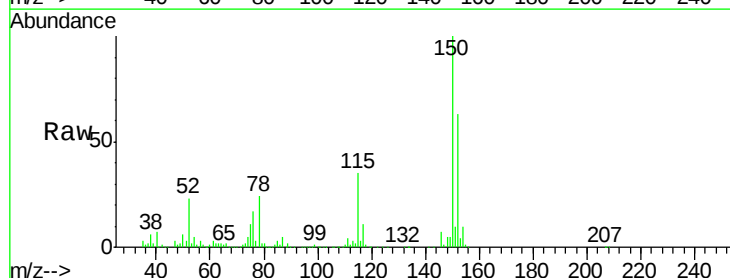
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

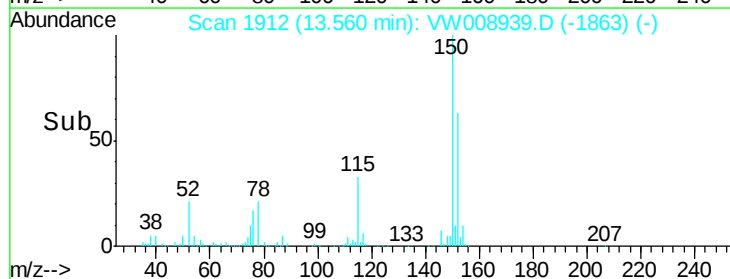
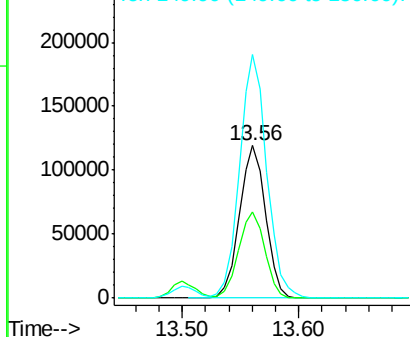
Lab File: VW008939.D

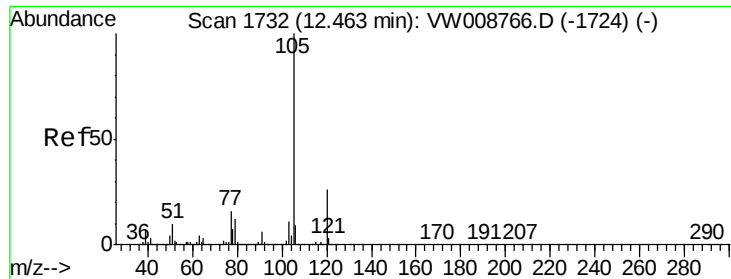
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.6	85.8
150	165.4	0.0	348.0



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: 21.309 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion: 105 Resp: 272520

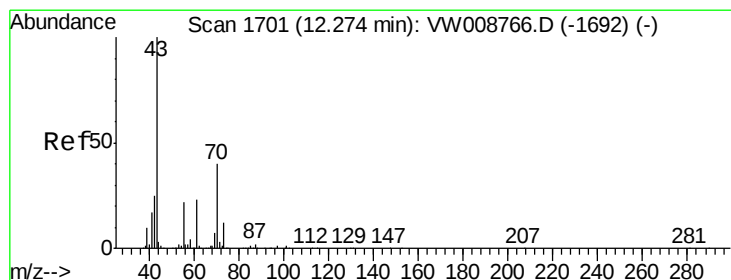
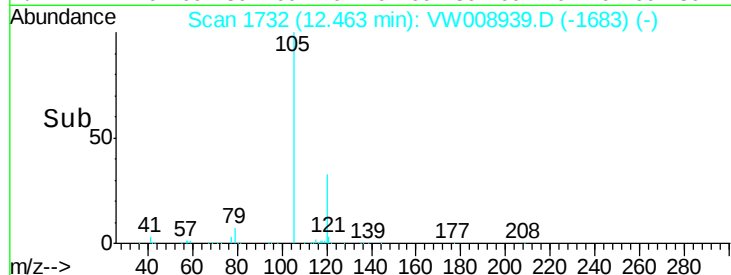
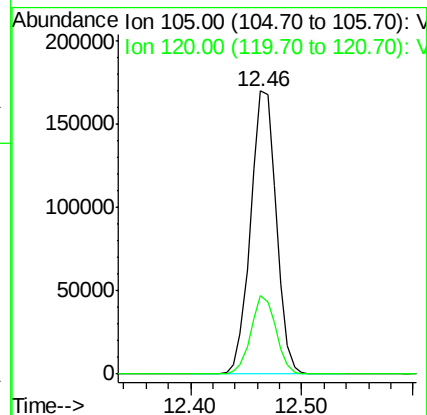
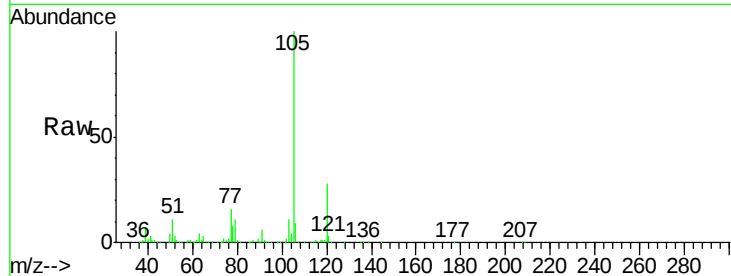
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.627 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion: 43 Resp: 66451

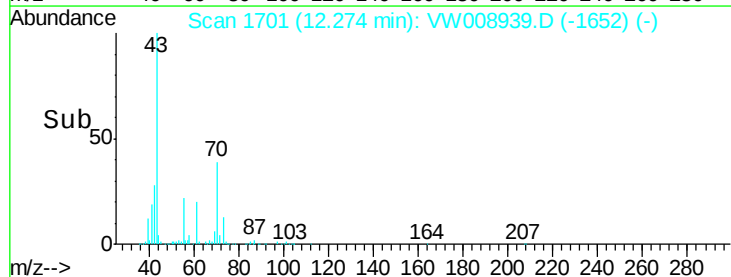
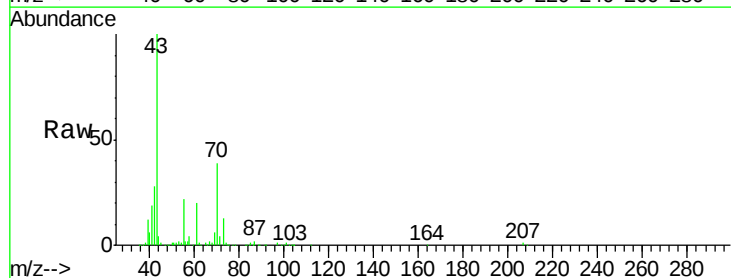
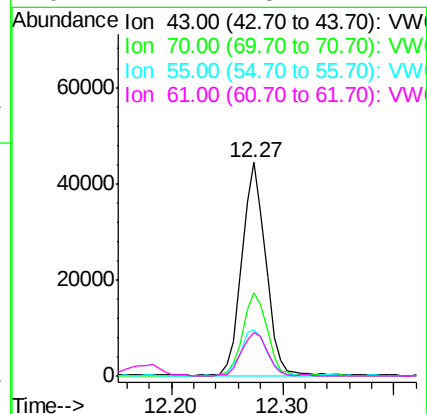
Ion Ratio Lower Upper

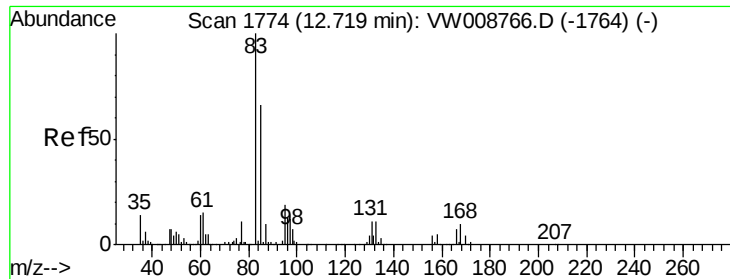
43 100

70 39.5 31.0 46.6

55 23.9 18.7 28.1

61 21.7 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 24.021 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

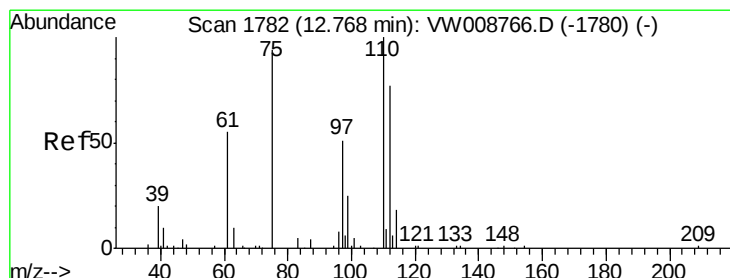
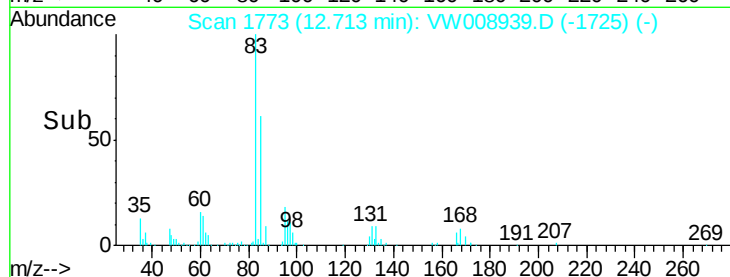
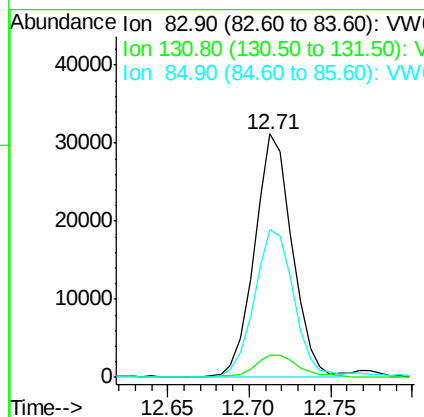
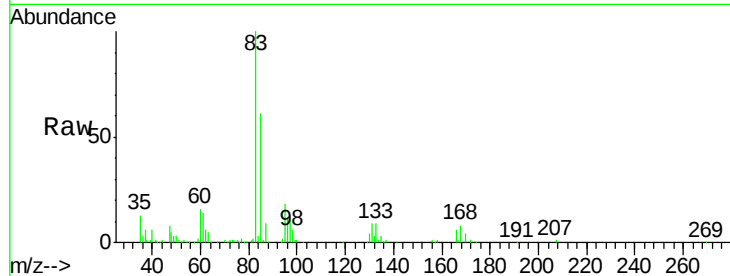
ClientSampleId :

VW0302SBS01

Tot Ion:	83	Resp:	50197
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	63.3	33.0	98.9

Manual Integrations
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3/5/2019 4:05:20 AM



#76

1,2,3-Trichloropropane

Concen: 21.829 ug/l m

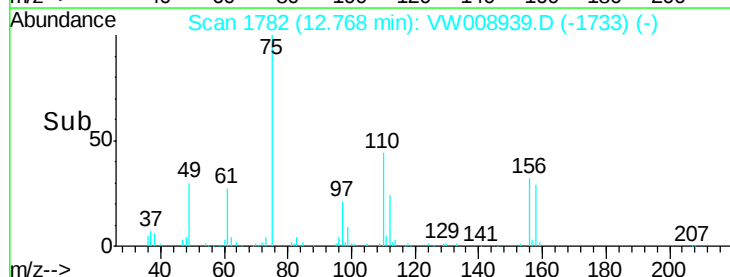
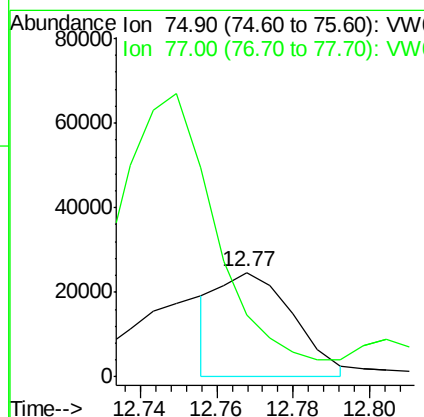
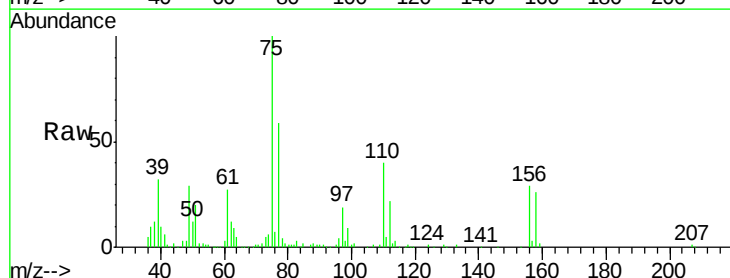
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion:	75	Resp:	33623
Ion Ratio	Lower	Upper	
75	100		
77	367.0	0.0	0.0#





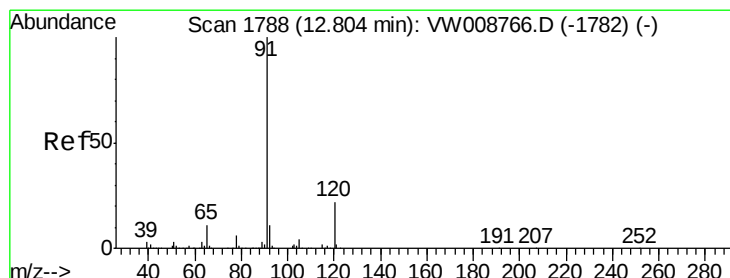
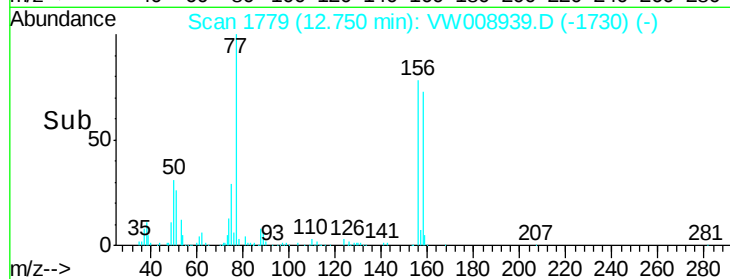
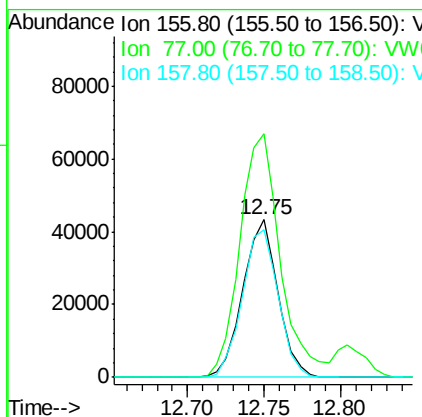
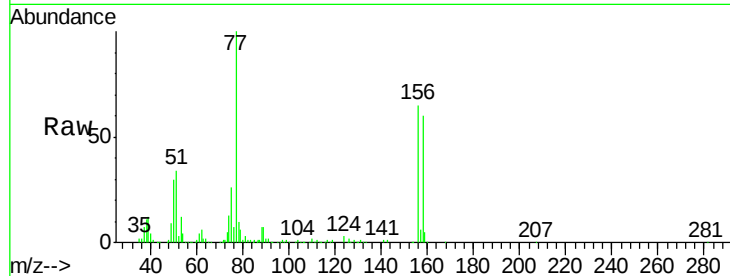
#77
Bromobenzene
Concen: 22.836 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.8	89.1	267.4
158	96.0	49.2	147.6

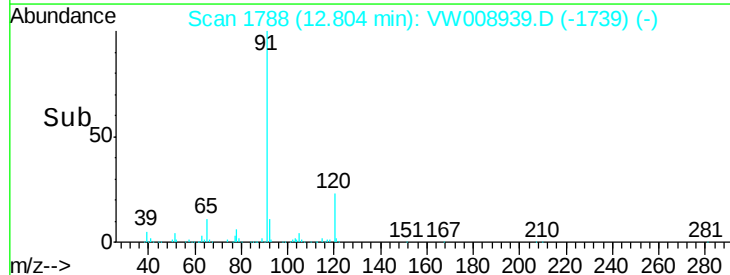
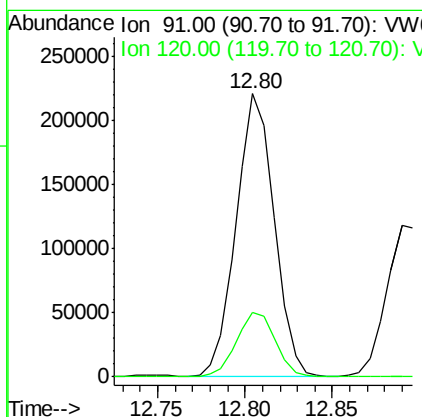
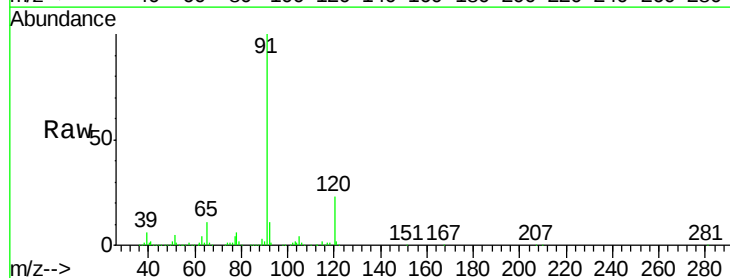
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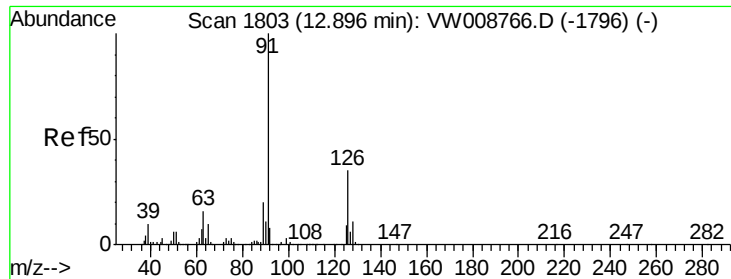
MMDadoda
3/5/2019 4:05:20 AM



#78
n-propylbenzene
Concen: 21.286 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.4





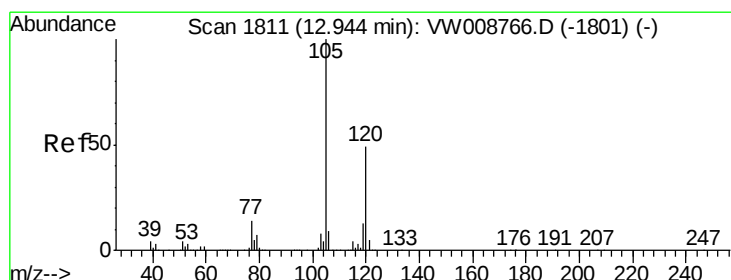
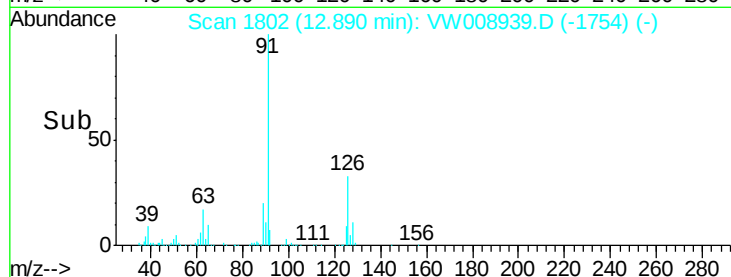
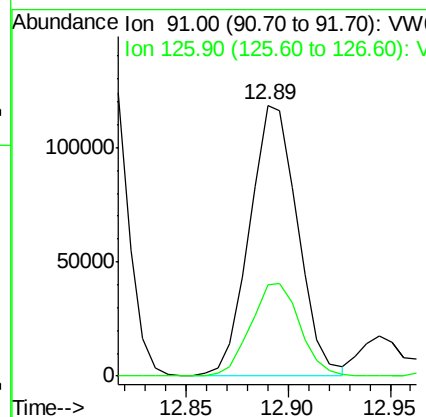
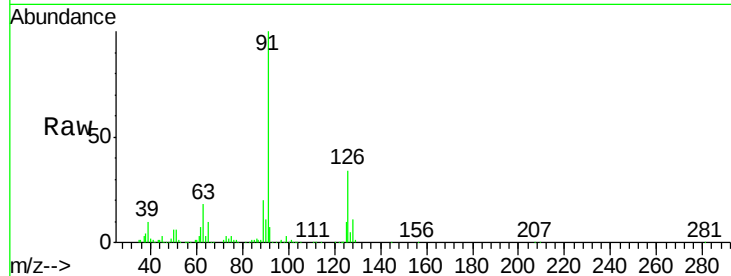
#79
 2-Chlorotoluene
 Concen: 21.823 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampled :
 VW0302SBS01

Tot Ion: 91 Resp: 193831
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.0 51.0

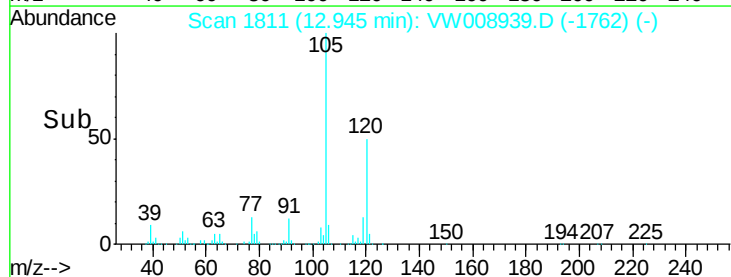
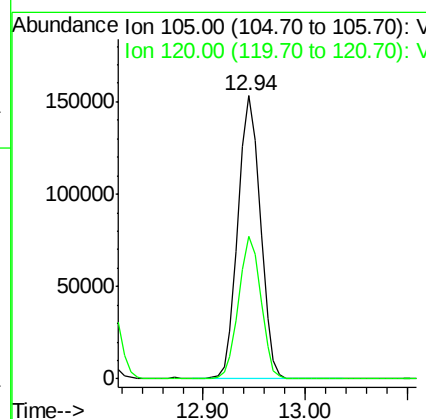
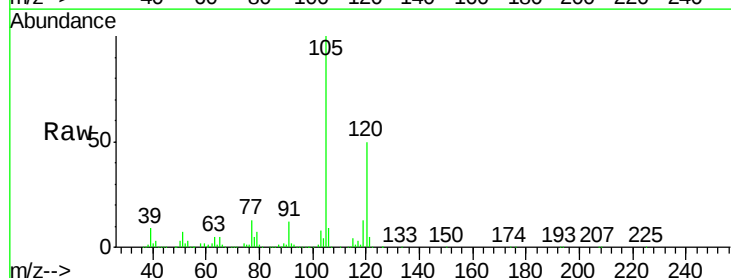
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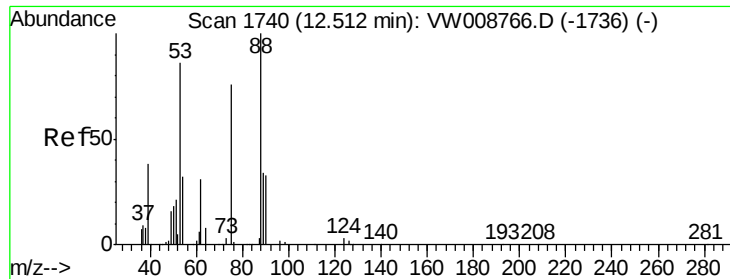
MMDadoda
 3/5/2019 4:05:20 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.934 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion: 105 Resp: 232659
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.8 74.4





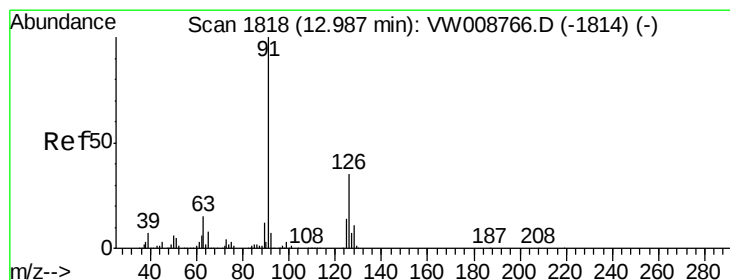
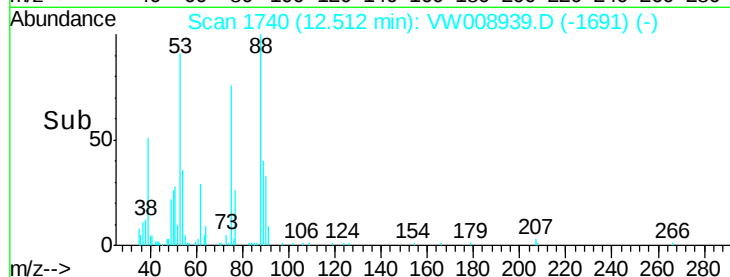
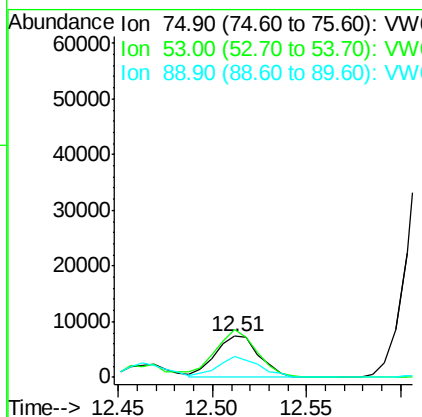
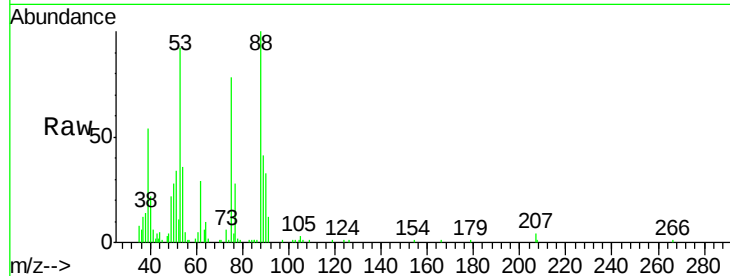
#81
trans-1,4-Dichloro-2-butene
Concen: 18.962 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	88.2	132.2
89	49.3	39.5	59.3

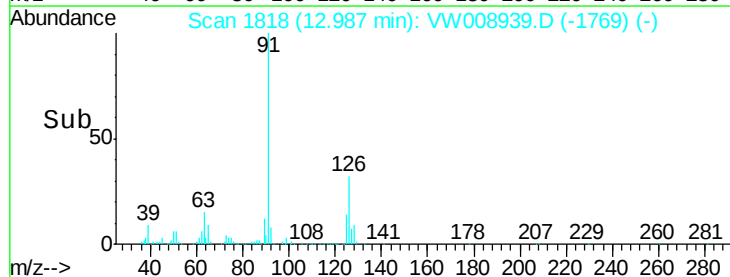
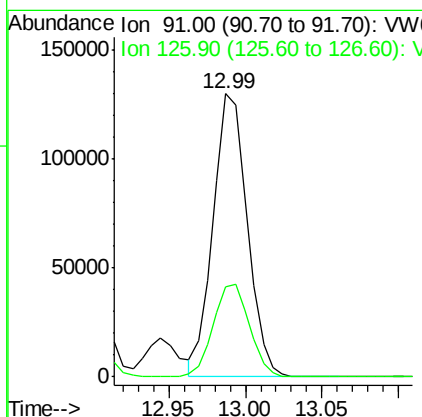
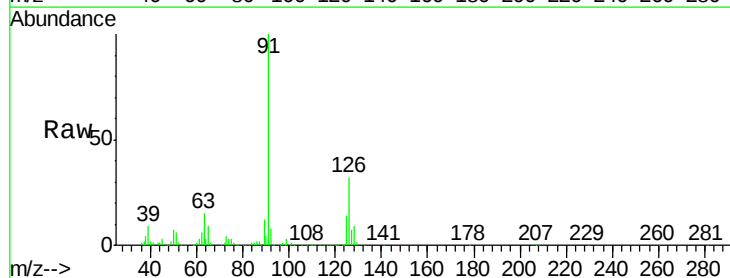
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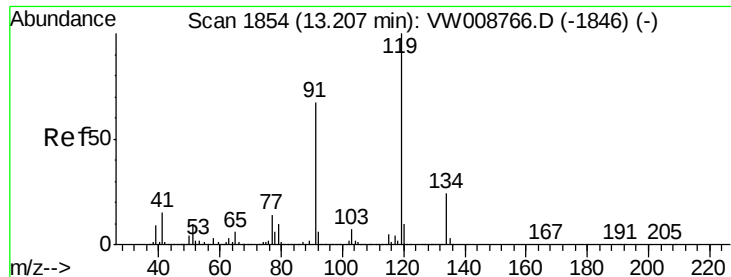
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#82
4-Chlorotoluene
Concen: 21.590 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





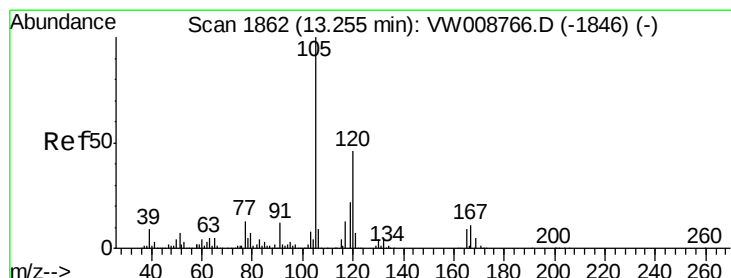
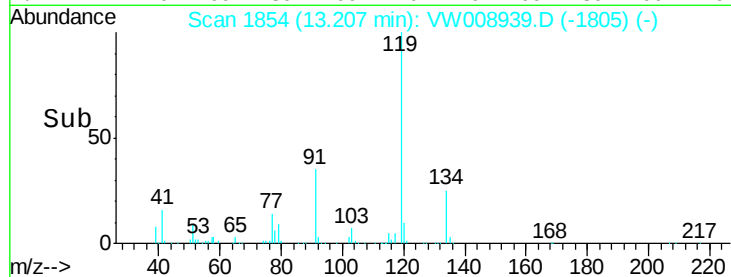
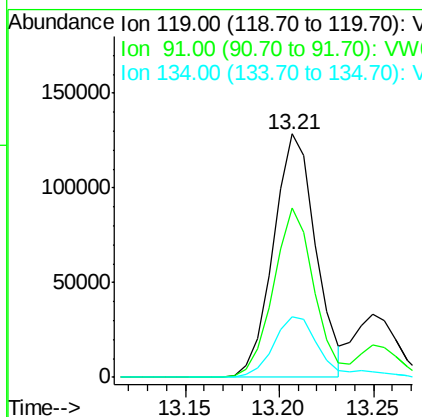
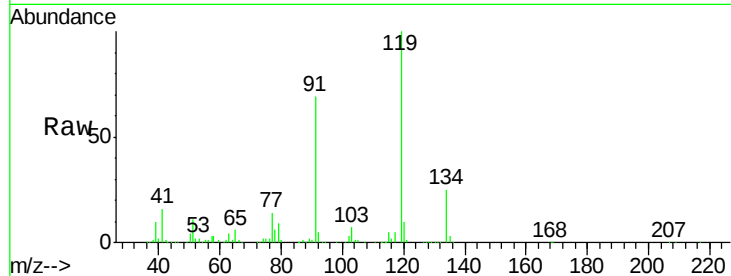
#83
tert-Butylbenzene
Concen: 20.883 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.6	100.8
134	25.7	13.7	41.1

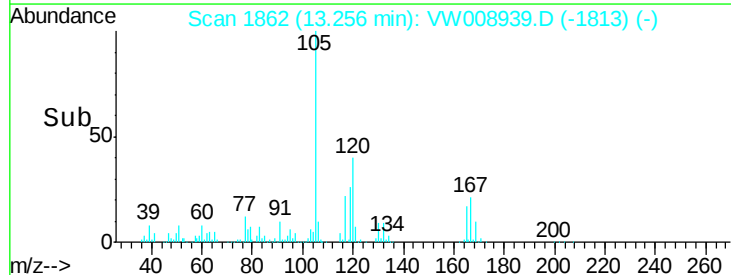
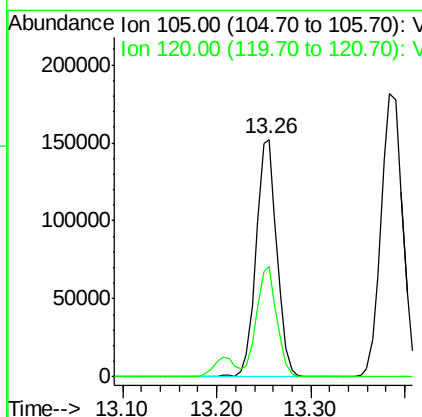
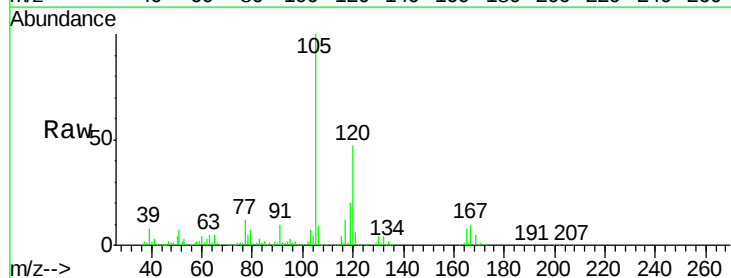
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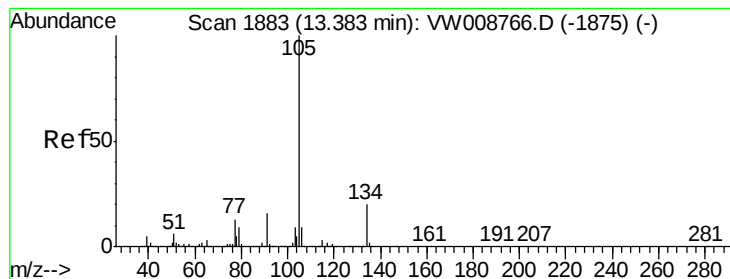
MMDadoda
3/5/2019 4:05:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.613 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.916 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Instrument :

MSVOA_W

ClientSampleId :

VW0302SBS01

Tot Ion:105 Resp: 289020

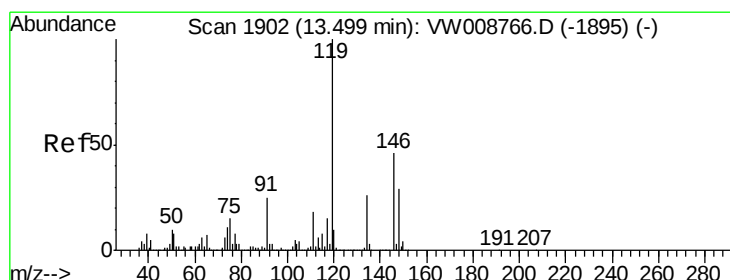
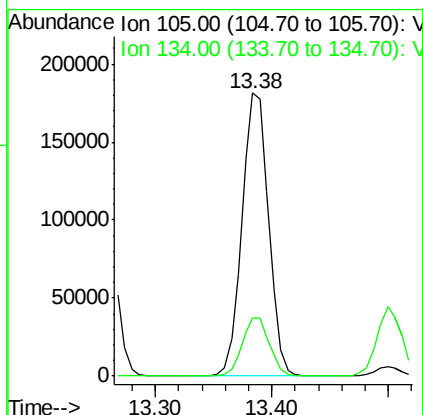
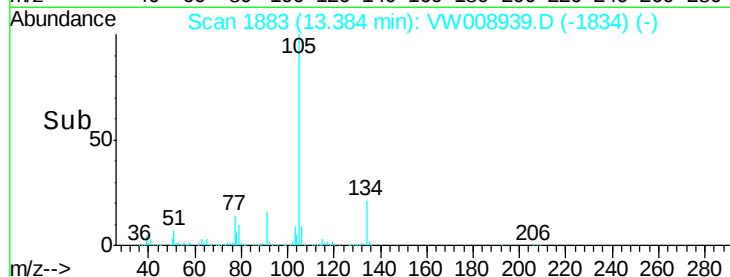
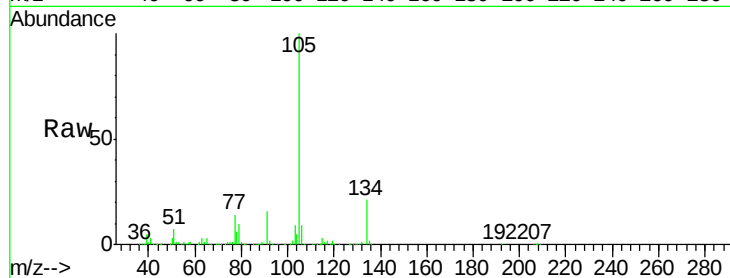
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 19.960 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

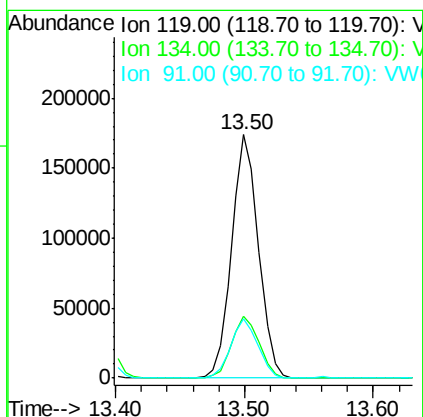
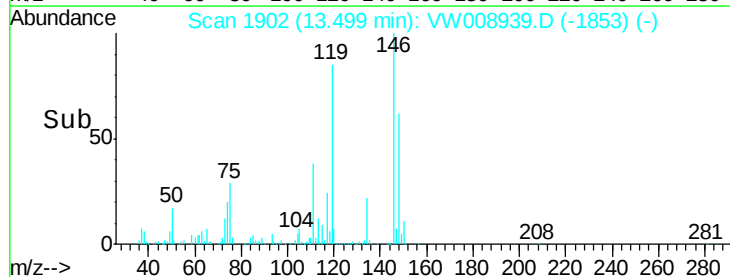
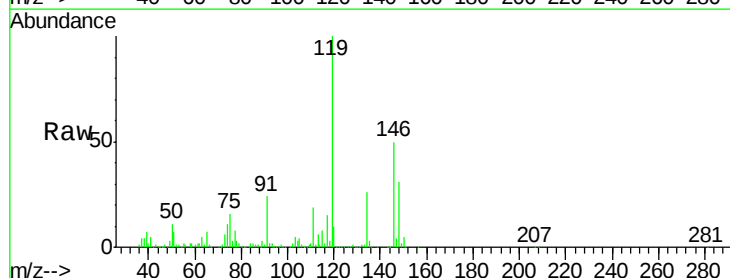
Tgt Ion:119 Resp: 252839

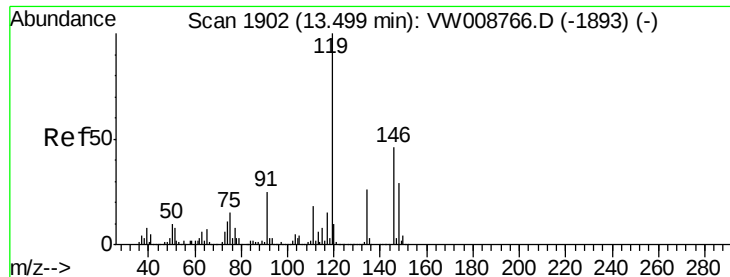
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.4 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.730 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

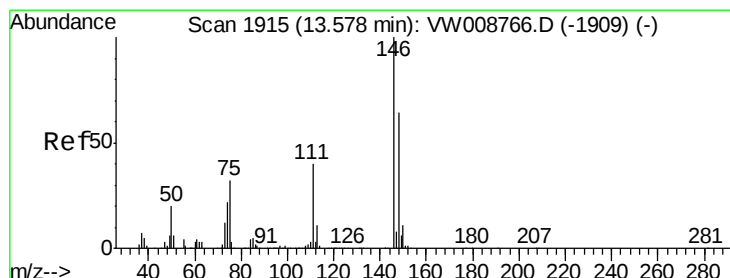
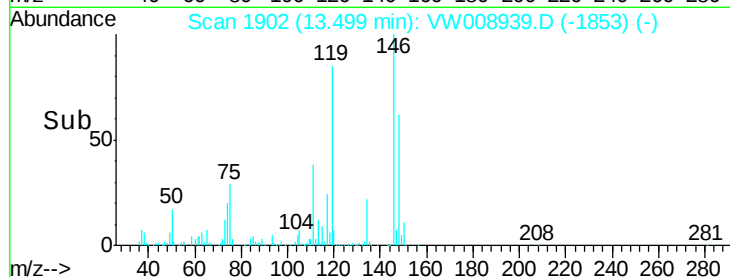
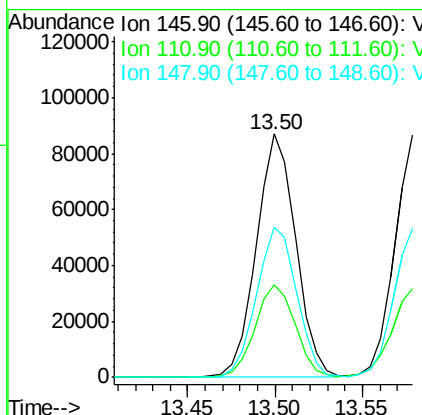
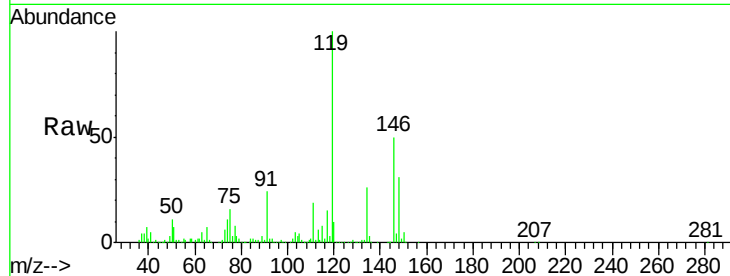
Instrument :
MSVOA_W

ClientSampled :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.7
148	63.2	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 22.064 ug/l

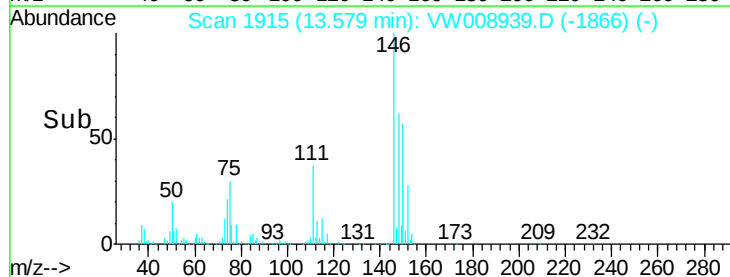
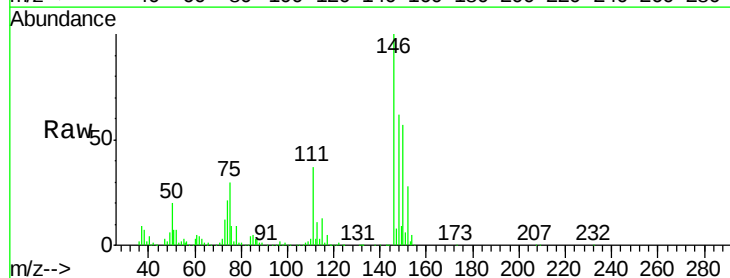
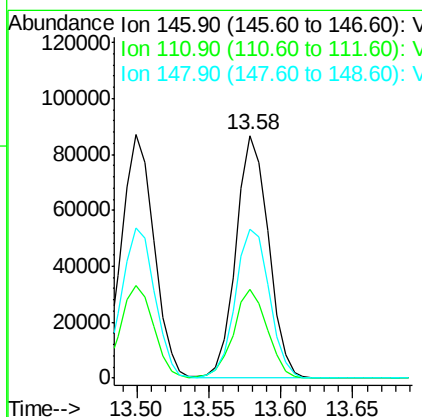
RT: 13.58 min Scan# 1915

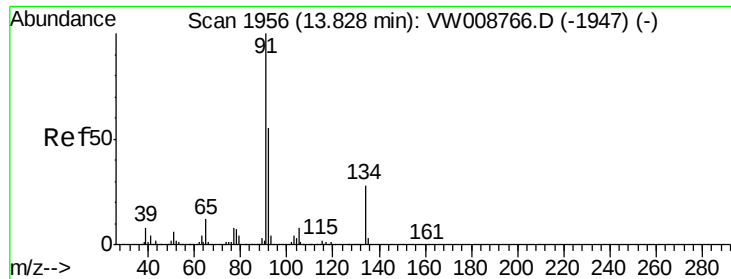
Delta R.T. 0.00 min

Lab File: VW008939.D

Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.5	31.9	95.9





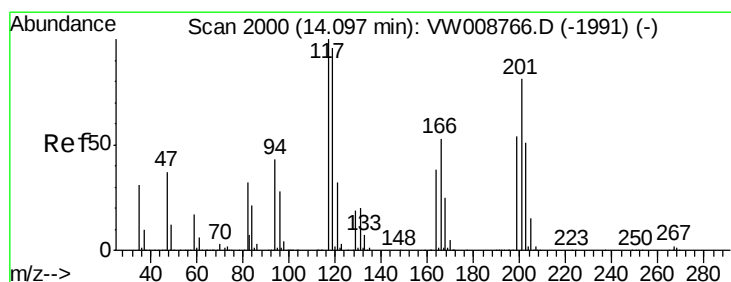
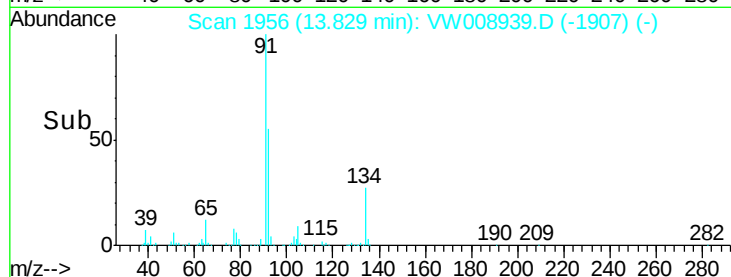
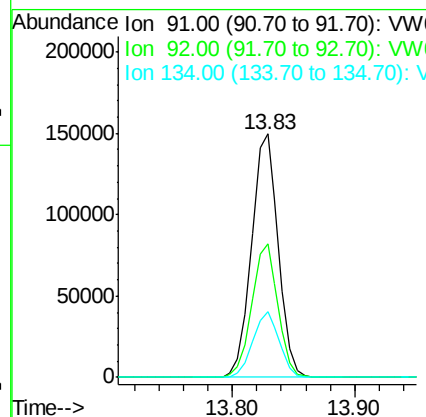
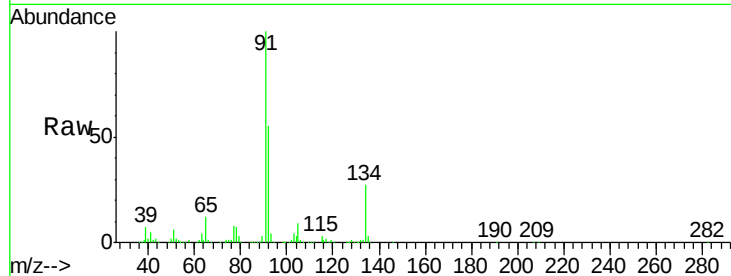
#89
n-Butylbenzene
Concen: 19.067 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	26.8	13.5	40.4

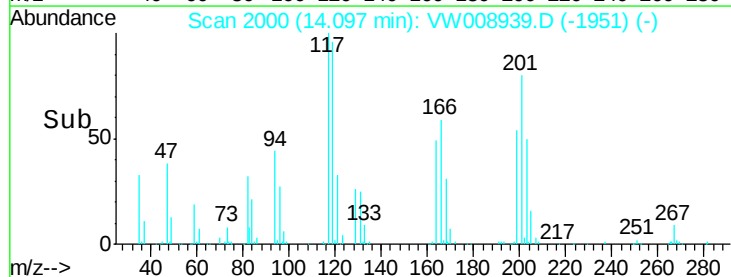
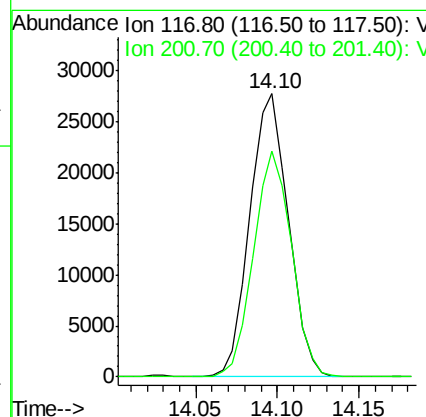
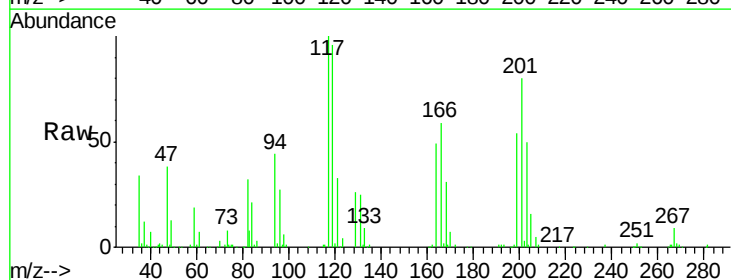
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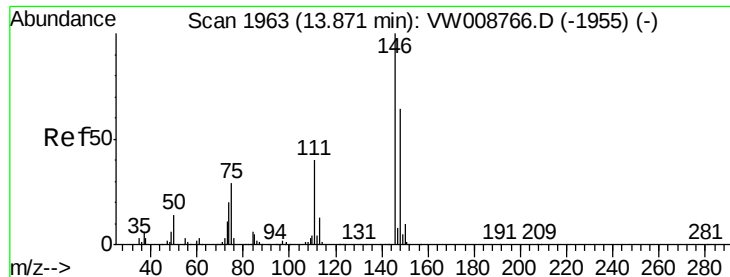
MMDadoda
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#90
Hexachloroethane
Concen: 22.013 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	40.3	120.8





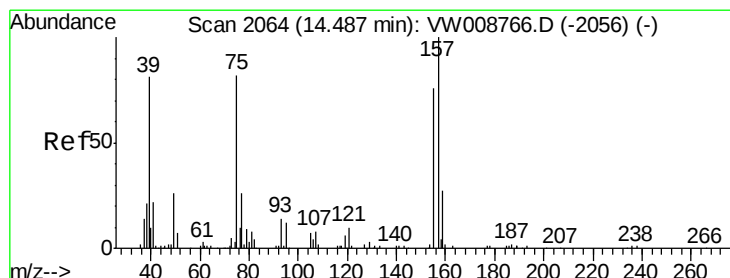
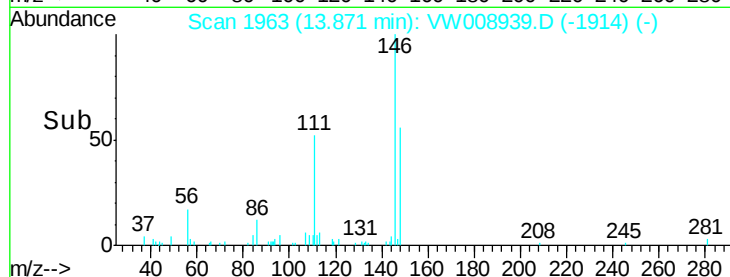
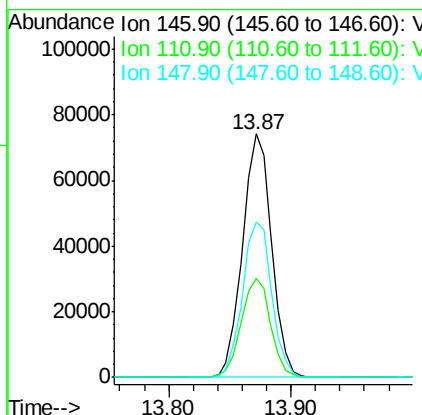
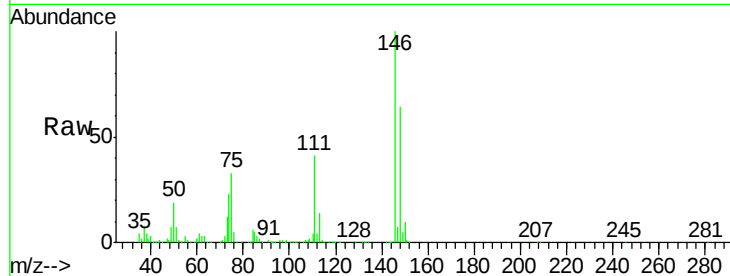
#91
 1,2-Dichlorobenzene
 Concen: 21.857 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.2	32.5	97.5

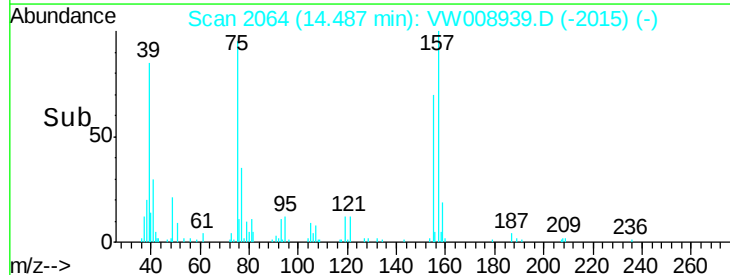
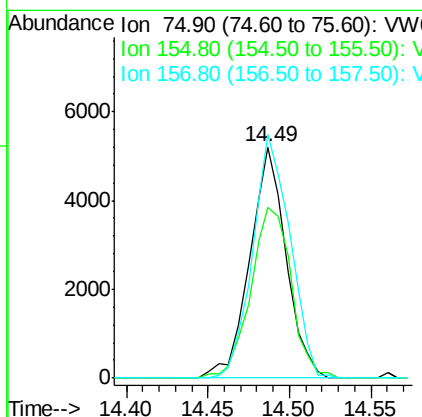
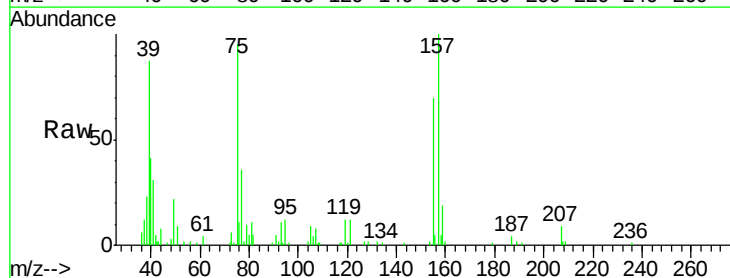
Manual Integrations
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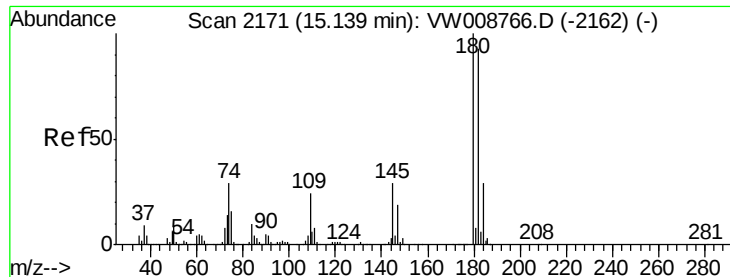
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.285 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.8	125.4
157	108.5	56.6	169.9





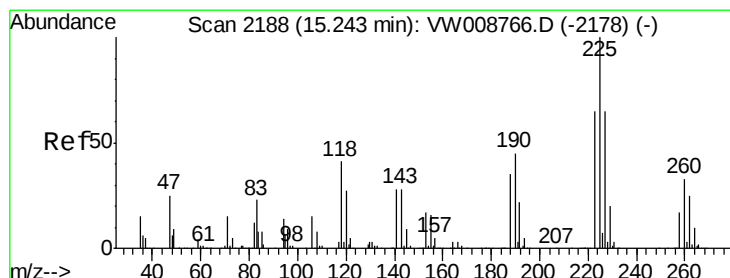
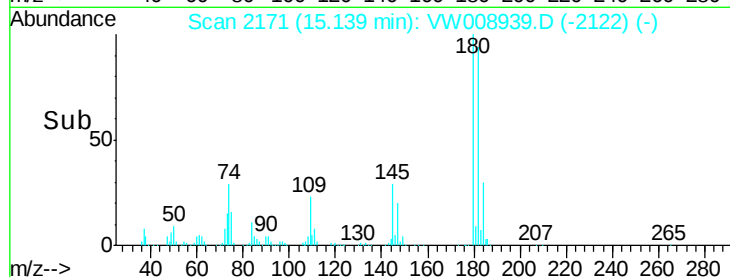
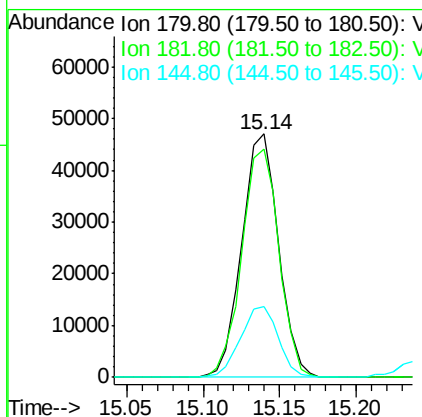
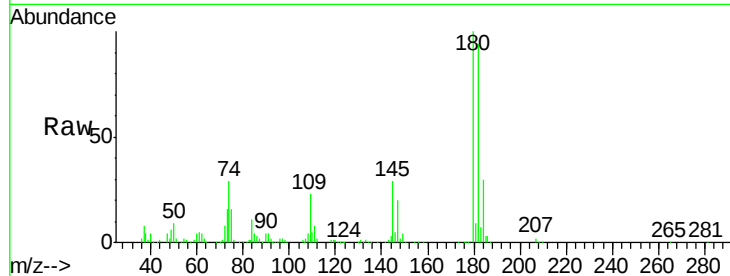
#93
 1,2,4-Trichlorobenzene
 Concen: 19.480 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78417		
182	95.2	47.2	141.6	
145	29.9	14.4	43.0	

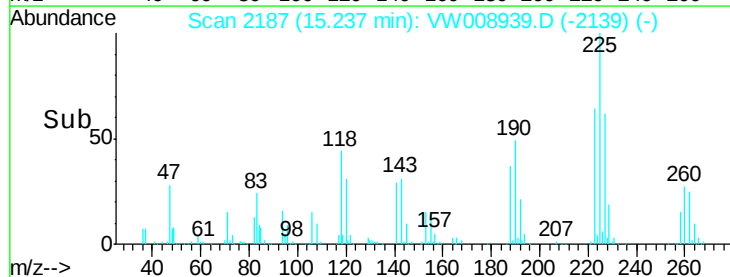
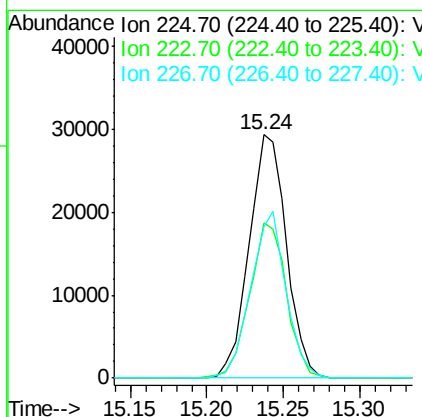
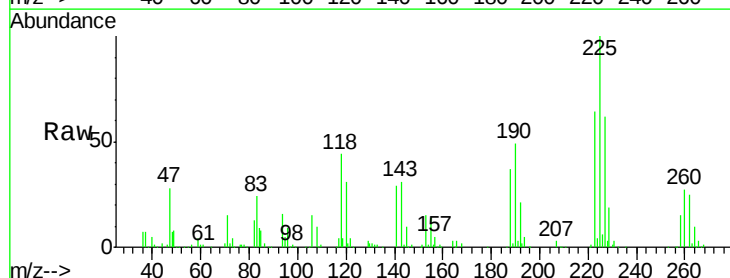
Manual Integrations
 APPROVED

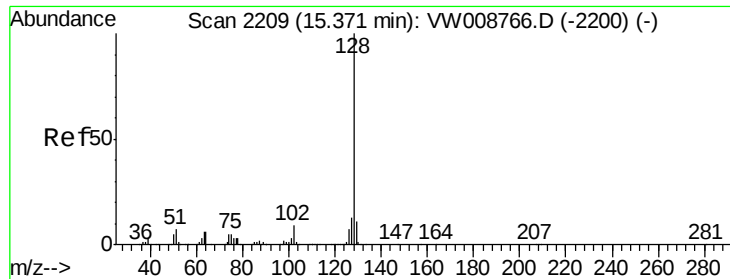
MMDadoda
 3/5/2019 4:05:20 AM



#94
 Hexachlorobutadiene
 Concen: 21.009 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008939.D
 Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49817		
223	63.0	31.5	94.5	
227	64.6	31.6	94.8	





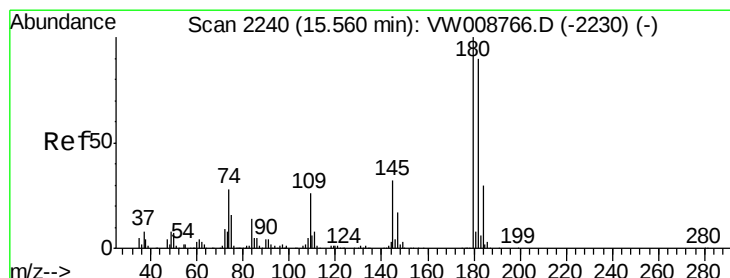
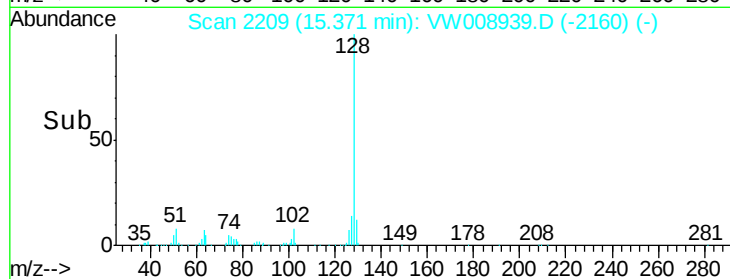
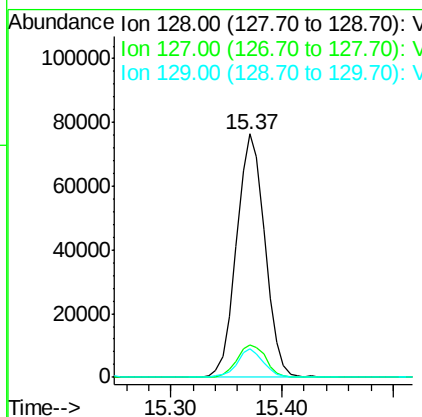
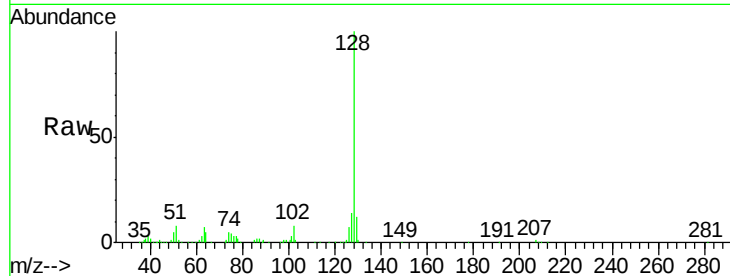
#95
Naphthalene
Concen: 19.665 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Instrument :
MSVOA_W
ClientSampleId :
VW0302SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	134781		
127	13.8		10.8	16.2
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2019 4:05:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.652 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008939.D
Acq: 02 Mar 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71881		
182	93.6		46.9	140.8
145	30.0		15.9	47.6

