

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008846.D
 Acq On : 27 Feb 2019 11:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 12:09:40 AM

Quant Time: Feb 28 07:12:46 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	310754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	126911	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
35) Dibromofluoromethane	7.88	113	123478	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	10.32	98	509809	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	186177	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	162803	52.307	ug/l	97
3) Chloromethane	2.21	50	199662	52.700	ug/l	100
4) Vinyl Chloride	2.35	62	205686	51.276	ug/l	99
5) Bromomethane	2.77	94	158355	53.149	ug/l	99
6) Chloroethane	2.92	64	144827	50.844	ug/l	98
7) Trichlorofluoromethane	3.26	101	264367	52.109	ug/l	95
8) Diethyl Ether	3.68	74	72133	44.910	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161826	52.526	ug/l	99
10) Methyl Iodide	4.27	142	184878	47.988	ug/l	100
11) Tert butyl alcohol	5.19	59	49126	189.327	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	141420	51.977	ug/l	98
13) Acrolein	3.90	56	62064	228.605	ug/l	98
14) Allyl chloride	4.67	41	244834	52.137	ug/l	97
15) Acrylonitrile	5.37	53	158407	229.801	ug/l	100
16) Acetone	4.13	43	173562	256.909	ug/l	98
17) Carbon Disulfide	4.38	76	461332	51.103	ug/l	98
18) Methyl Acetate	4.67	43	71367	44.537	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	347449	47.179	ug/l	97
20) Methylene Chloride	4.92	84	162656	48.747	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	163324	51.893	ug/l	94
22) Diisopropyl ether	6.31	45	477768	51.002	ug/l	98
23) Vinyl Acetate	6.26	43	1400196	241.921	ug/l	100
24) 1,1-Dichloroethane	6.22	63	277082	51.044	ug/l	98
25) 2-Butanone	7.17	43	222984	236.086	ug/l	97
26) 2,2-Dichloropropane	7.16	77	261254	53.012	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	171863	51.048	ug/l	99
28) Bromochloromethane	7.51	49	108131	47.602	ug/l	99
29) Tetrahydrofuran	7.53	42	131984	219.277	ug/l	99
30) Chloroform	7.67	83	284986	51.175	ug/l	97
31) Cyclohexane	7.95	56	281805	51.287	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	270484	53.410	ug/l	99
36) 1,1-Dichloropropene	8.08	75	233093	55.376	ug/l	100
37) Ethyl Acetate	7.25	43	88680	45.305	ug/l	99
38) Carbon Tetrachloride	8.07	117	241652	54.438	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	293648	55.930	ug/l	99
40) Benzene	8.32	78	628656	54.701	ug/l	97
41) Methacrylonitrile	7.48	41	52212	45.379	ug/l	98
42) 1,2-Dichloroethane	8.40	62	183952	50.528	ug/l	100
43) Isopropyl Acetate	8.43	43	181514	46.463	ug/l	100
44) Trichloroethene	9.09	130	176751	54.594	ug/l	96
45) 1,2-Dichloropropane	9.37	63	150484	52.988	ug/l	96
46) Dibromomethane	9.46	93	80006	50.646	ug/l	97
47) Bromodichloromethane	9.64	83	206267	53.667	ug/l	95
48) Methyl methacrylate	9.44	41	87488	46.759	ug/l	98
49) 1,4-Dioxane	9.45	88	24639	973.971	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	463470	233.678	ug/l	98
52) Toluene	10.39	92	439863	56.395	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	206509	52.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	243137	54.418	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	108233	50.521	ug/l	97
56) Ethyl methacrylate	10.65	69	140436	50.456	ug/l	98
57) 1,3-Dichloropropane	10.93	76	190982	50.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	344449	246.059	ug/l	99
59) 2-Hexanone	10.97	43	358188	253.702	ug/l	99
60) Dibromochloromethane	11.13	129	138237	52.902	ug/l	97
61) 1,2-Dibromoethane	11.23	107	104217	49.146	ug/l	98
64) Tetrachloroethene	10.86	164	161179	54.600	ug/l	97
65) Chlorobenzene	11.66	112	477512	55.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	156259	53.293	ug/l	100
67) Ethyl Benzene	11.73	91	871837	56.241	ug/l	99
68) m/p-Xylenes	11.84	106	690022	111.406	ug/l	100
69) o-Xylene	12.17	106	317085	54.543	ug/l	99
70) Styrene	12.18	104	510262	54.556	ug/l	100
71) Bromoform	12.35	173	76379	48.462	ug/l #	100
73) Isopropylbenzene	12.47	105	889219	60.282	ug/l	99
74) N-amyl acetate	12.27	43	183251	49.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118923	49.340	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	68998m	38.838	ug/l	
77) Bromobenzene	12.75	156	196846	56.471	ug/l	97
78) n-propylbenzene	12.80	91	1065916	59.074	ug/l	100
79) 2-Chlorotoluene	12.90	91	588466	57.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	745545	58.160	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37951	51.933	ug/l	97
82) 4-Chlorotoluene	12.99	91	611684	56.660	ug/l	100
83) tert-Butylbenzene	13.21	119	668459	60.308	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	750385	56.549	ug/l	100
85) sec-Butylbenzene	13.38	105	945988	59.355	ug/l	100
86) p-Isopropyltoluene	13.50	119	842311	57.650	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	401436	55.506	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	391620	54.941	ug/l	100
89) n-Butylbenzene	13.83	91	795875	58.144	ug/l	100
90) Hexachloroethane	14.10	117	141850	59.306	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	350329	54.364	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20601	47.250	ug/l	97

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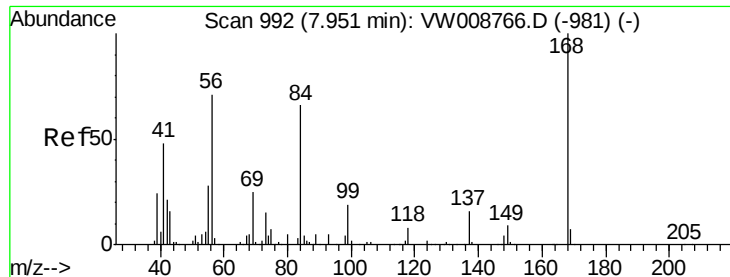
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	248241	53.465	ug/l	99
94) Hexachlorobutadiene	15.24	225	161320	58.985	ug/l	100
95) Naphthalene	15.37	128	388495	49.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	211224	52.615	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 310754

Ion Ratio Lower Upper

168 100

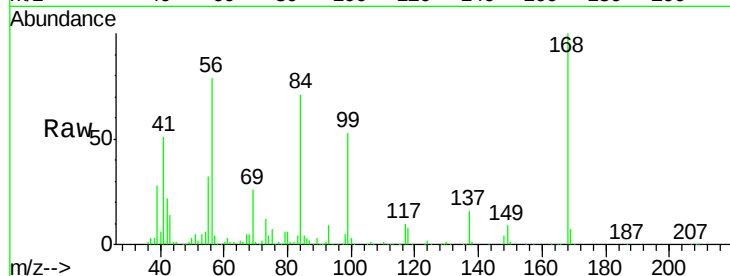
99 53.1 42.2 63.2

Manual Integrations

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3/1/2019 12:09:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

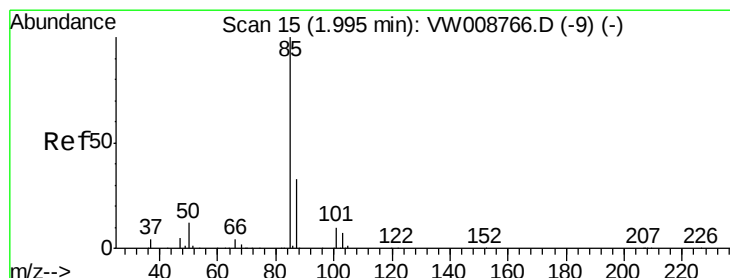
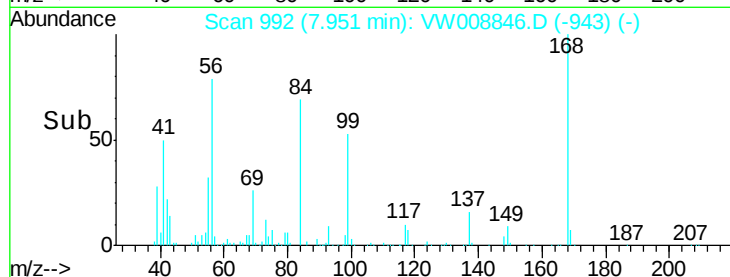
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 52.307 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008846.D

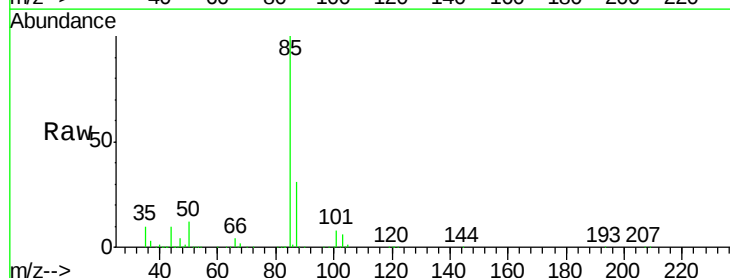
Acq: 27 Feb 2019 11:02

Tgt Ion: 85 Resp: 162803

Ion Ratio Lower Upper

85 100

87 31.1 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

120000

100000

80000

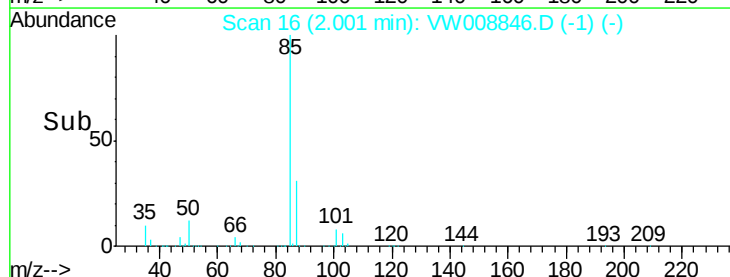
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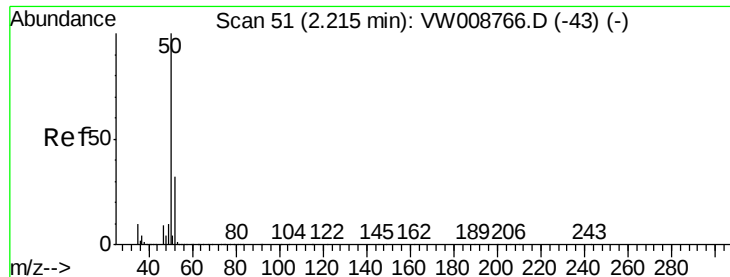
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 52.700 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 199662

Ion Ratio Lower Upper

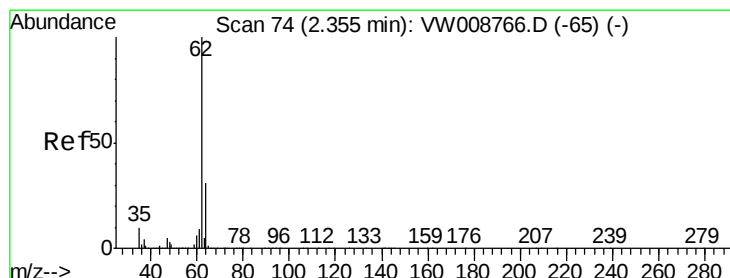
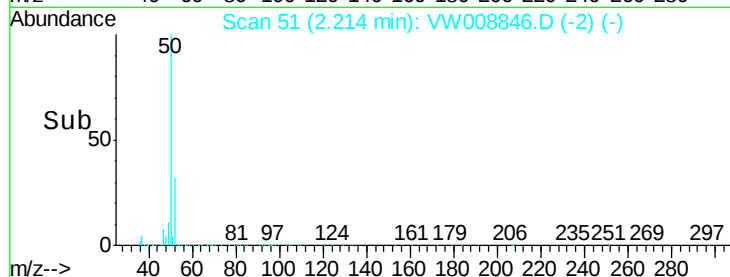
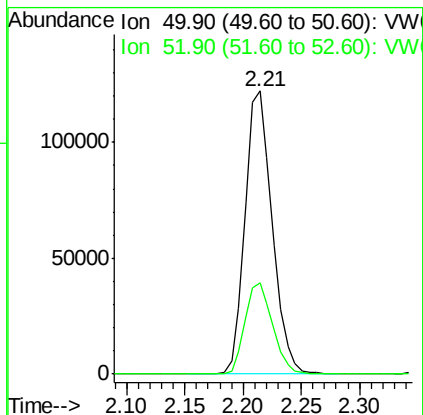
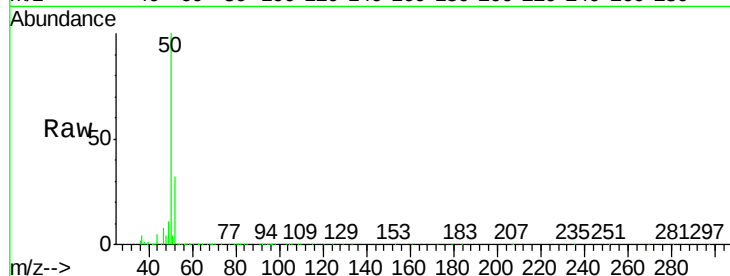
50 100

52 32.3 25.9 38.9

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#4

Vinyl Chloride

Concen: 51.276 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008846.D

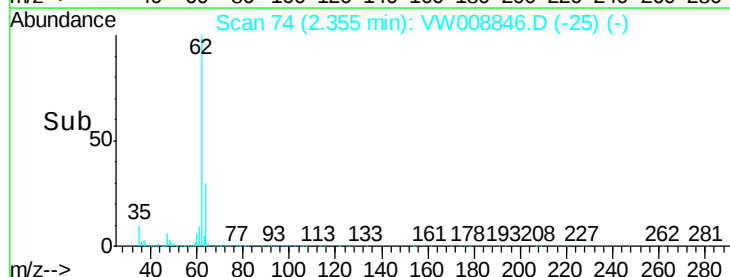
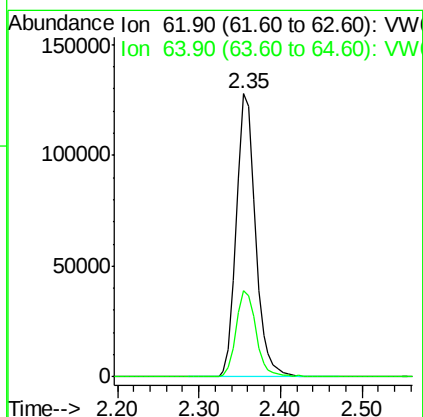
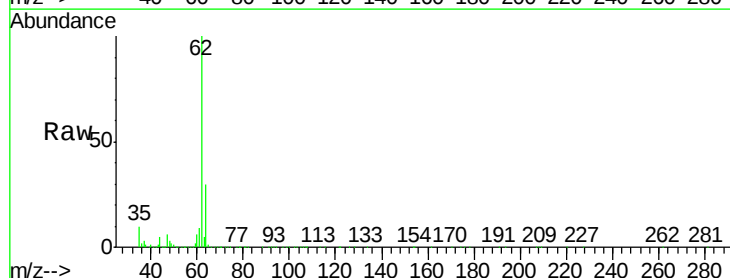
Acq: 27 Feb 2019 11:02

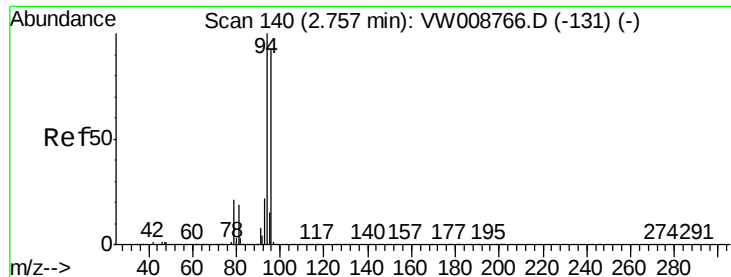
Tgt Ion: 62 Resp: 205686

Ion Ratio Lower Upper

62 100

64 30.3 24.9 37.3





#5

Bromomethane

Concen: 53.149 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 158355

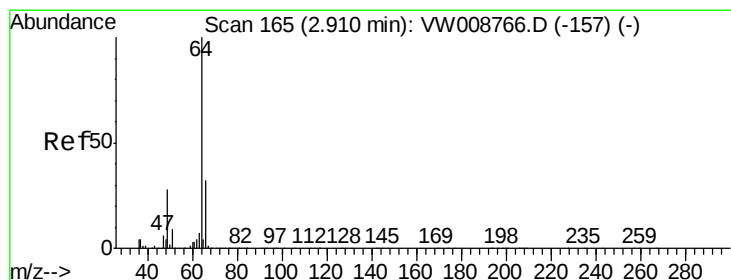
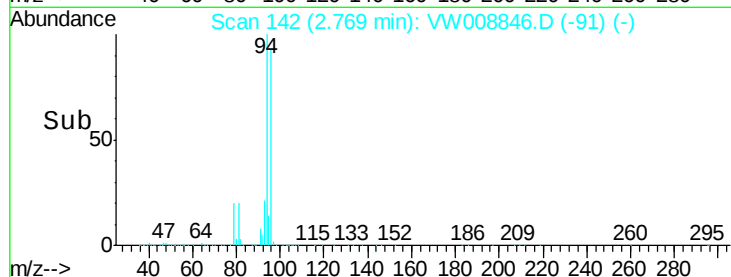
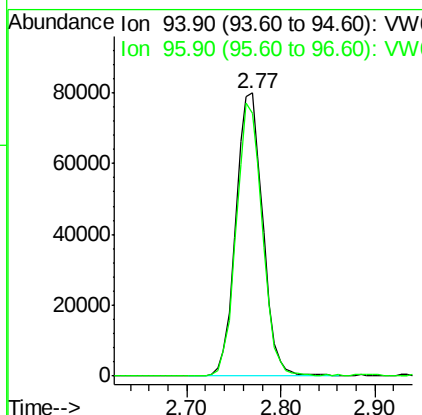
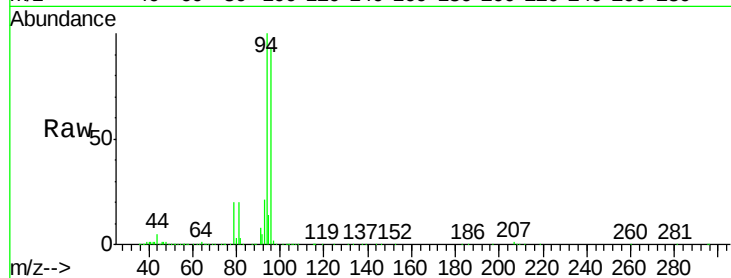
Ion Ratio Lower Upper

94 100

96 92.4 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 50.844 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008846.D

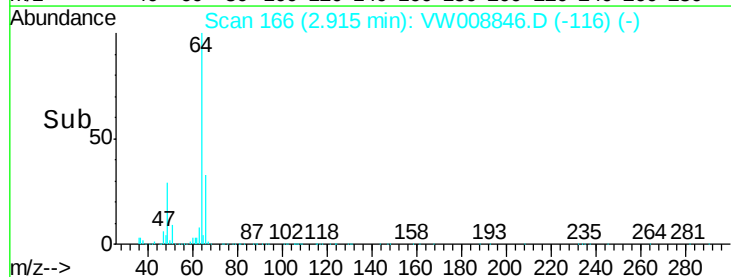
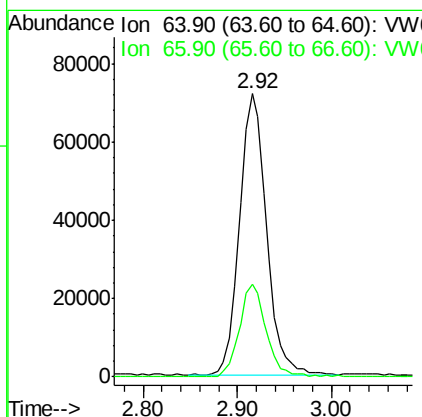
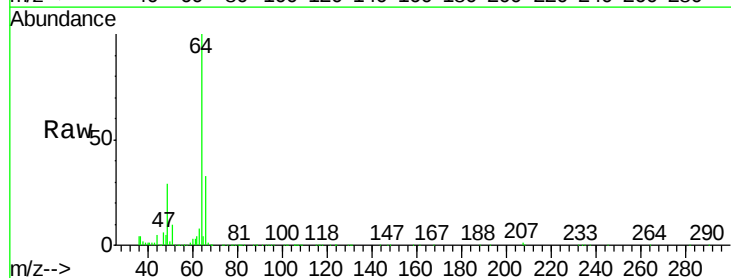
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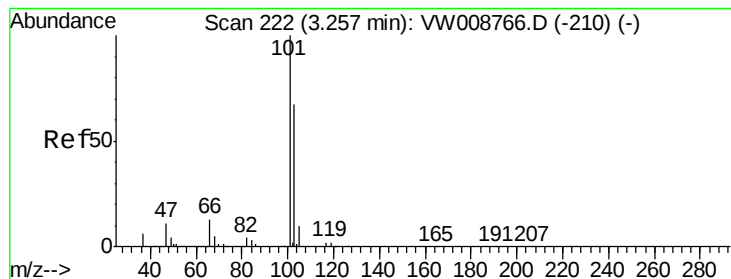
Tgt Ion: 64 Resp: 144827

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

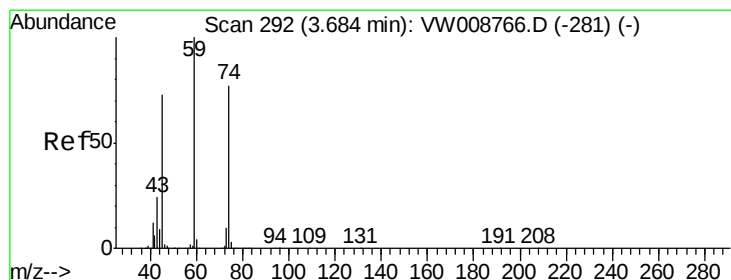
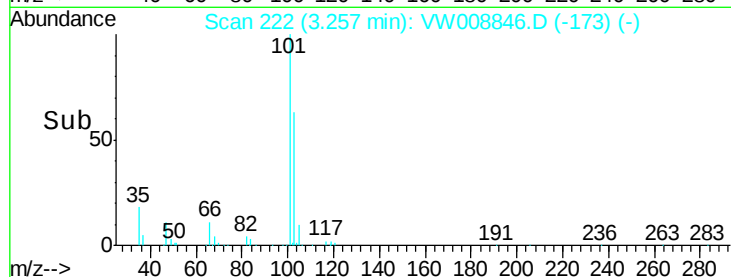
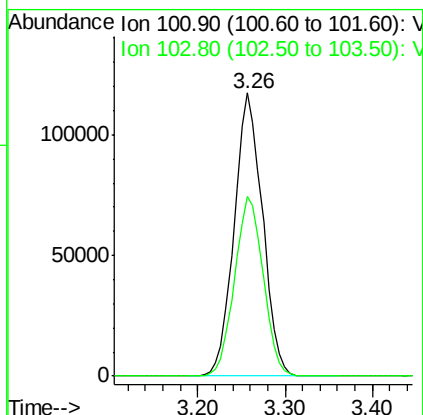
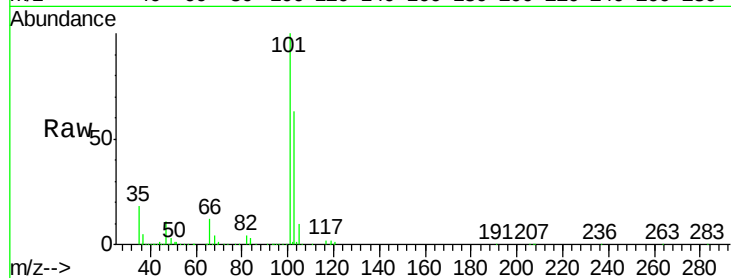
Trichlorofluoromethane
 Concen: 52.109 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008846.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.9	80.9

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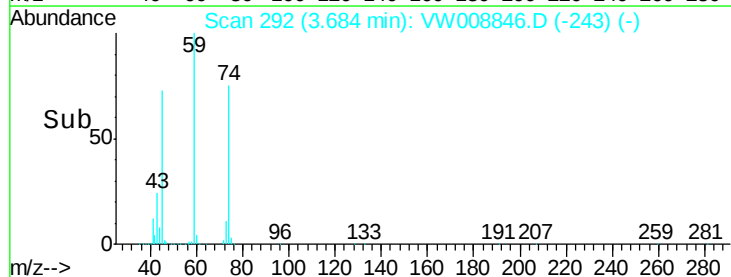
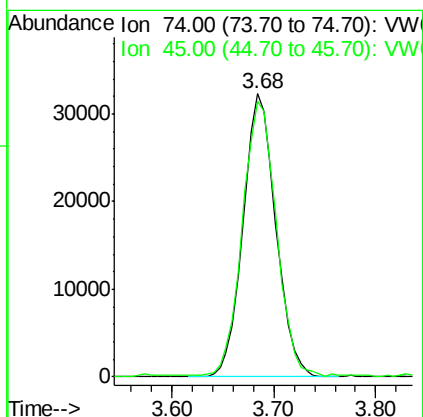
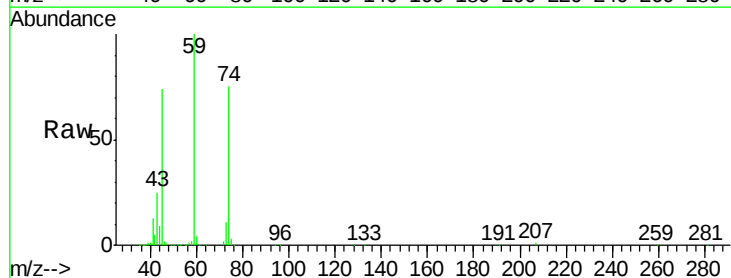
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 3/1/2019 12:09:40 AM

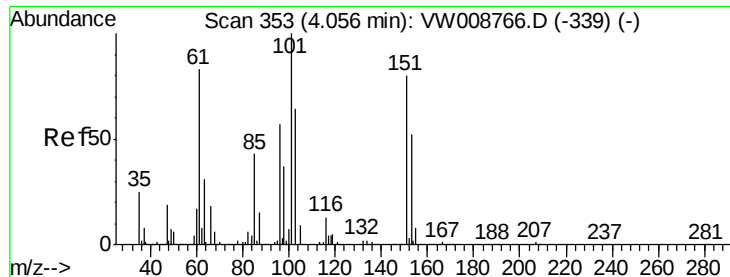


#8

Diethyl Ether
 Concen: 44.910 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.526 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

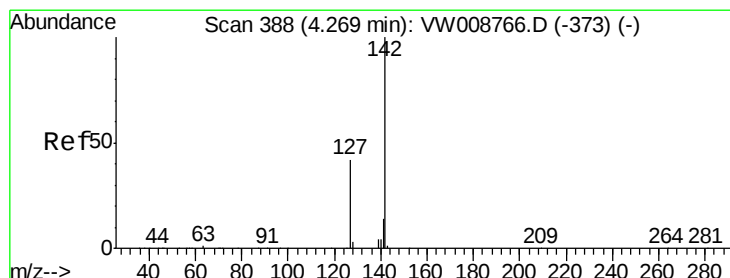
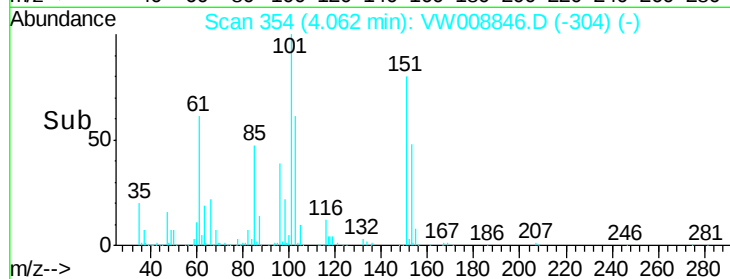
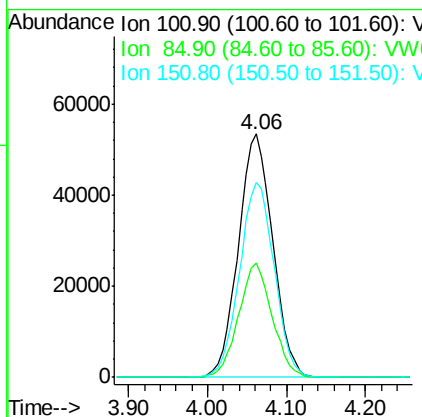
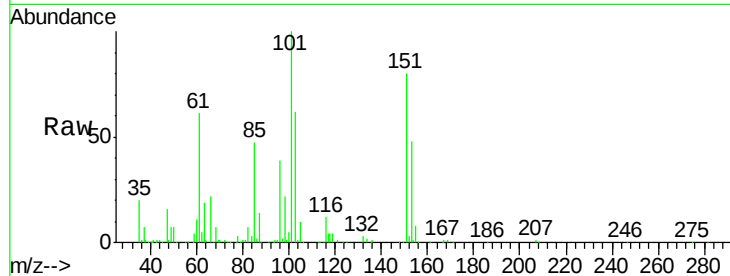
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	161826
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.0	54.0
151	80.9	65.5	98.3

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#10

Methyl Iodide

Concen: 47.988 ug/l

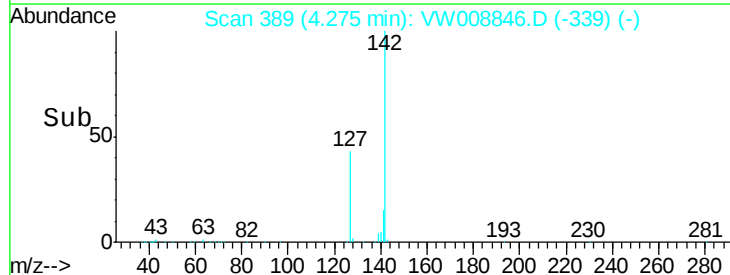
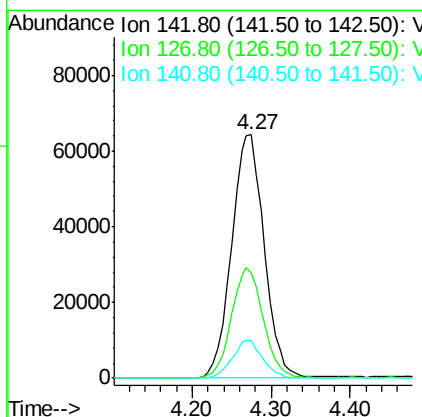
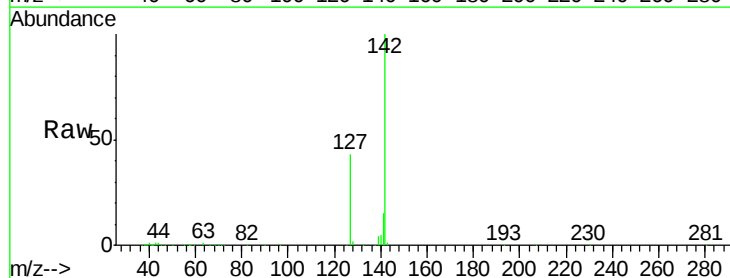
RT: 4.27 min Scan# 389

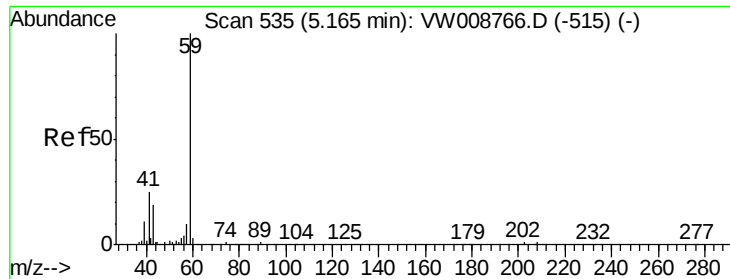
Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	142	Resp:	184878
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.5	11.7	17.5





#11

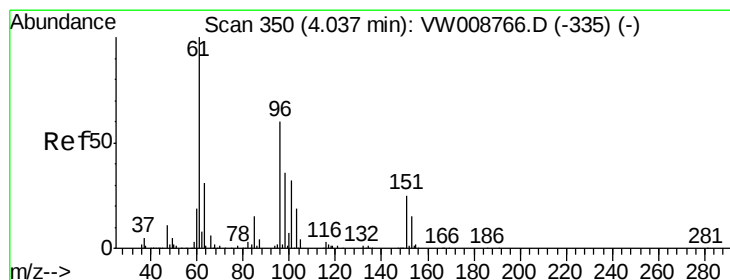
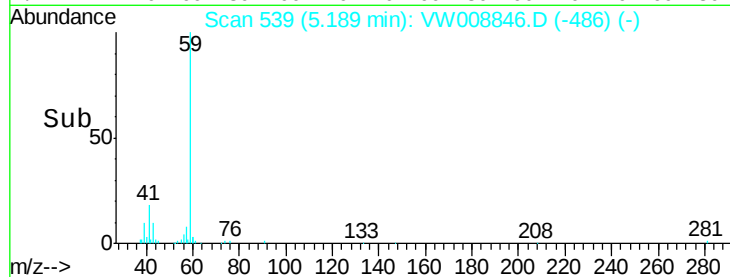
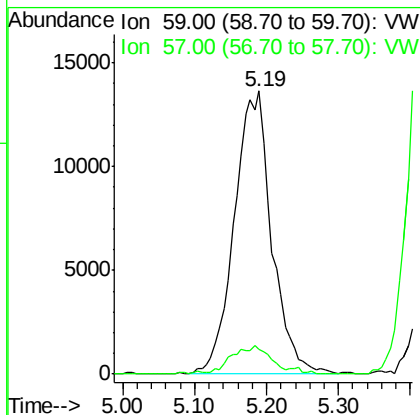
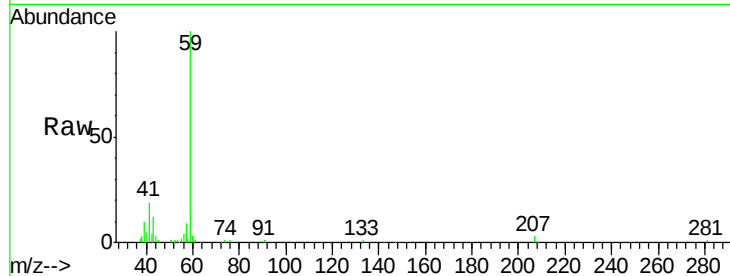
Tert butyl alcohol
 Concen: 189.327 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	49126		
57	57	8.8		9.3	13.9#

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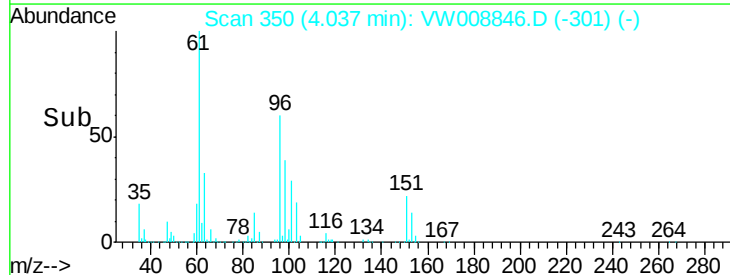
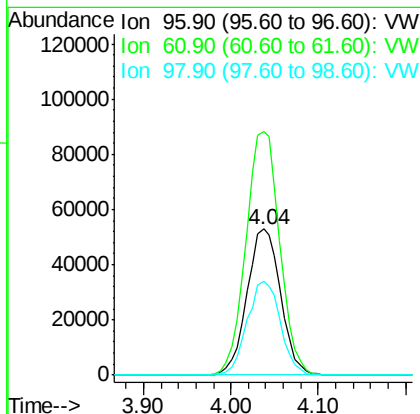
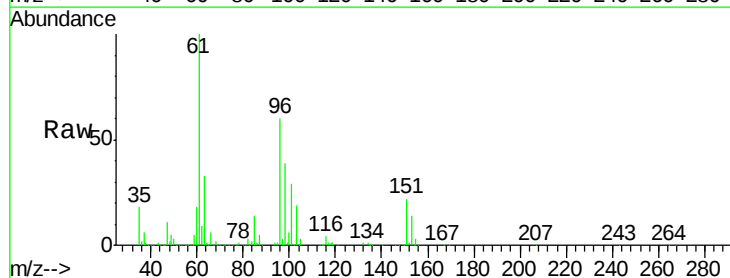
MMDadoda
 3/1/2019 12:09:40 AM

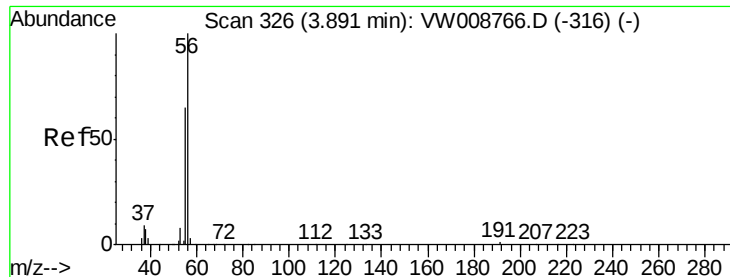


#12

1,1-Dichloroethene
 Concen: 51.977 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	141420		
61	61	166.6		132.5	198.7
98	98	64.5		48.2	72.4





#13

Acrolein

Concen: 228.605 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62064

Ion Ratio Lower Upper

56 100

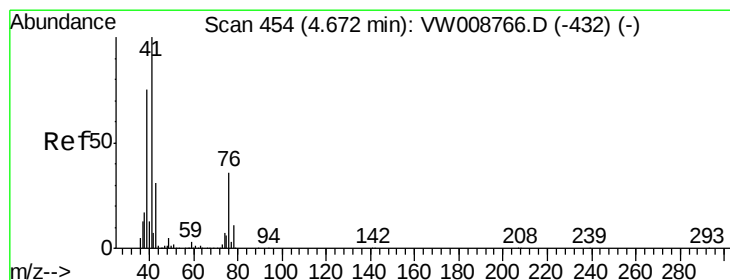
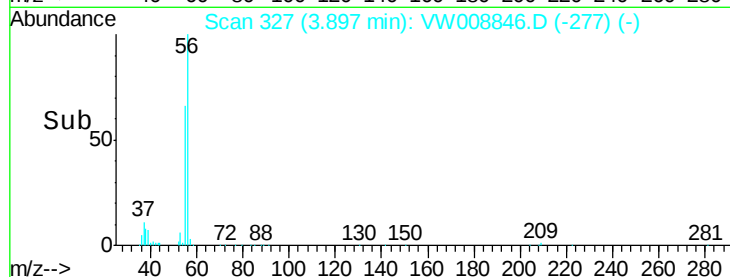
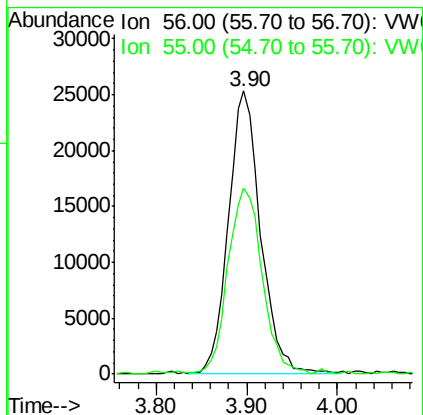
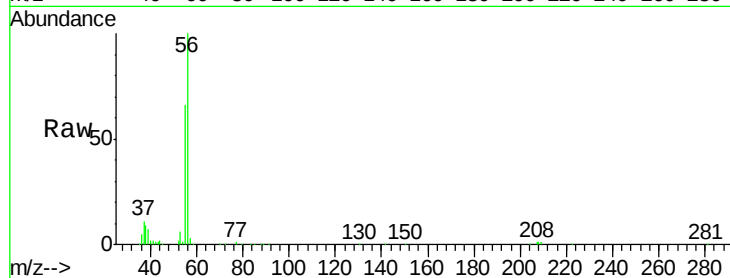
55 69.1 56.9 85.3

Manual Integrations

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MMDadoda

3/1/2019 12:09:40 AM



#14

Allyl chloride

Concen: 52.137 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

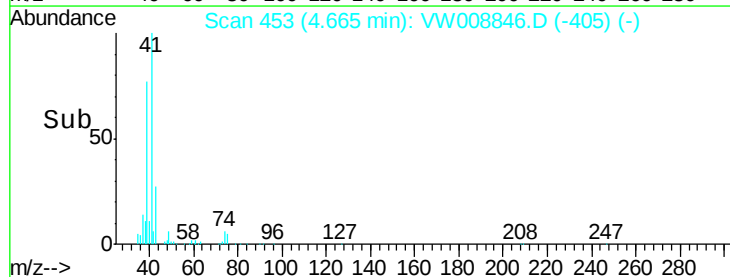
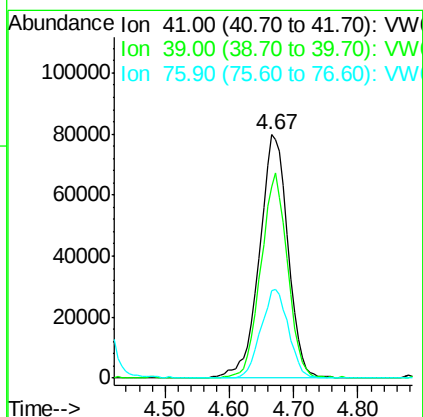
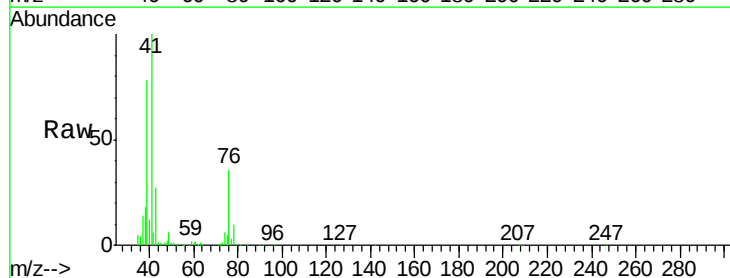
Tgt Ion: 41 Resp: 244834

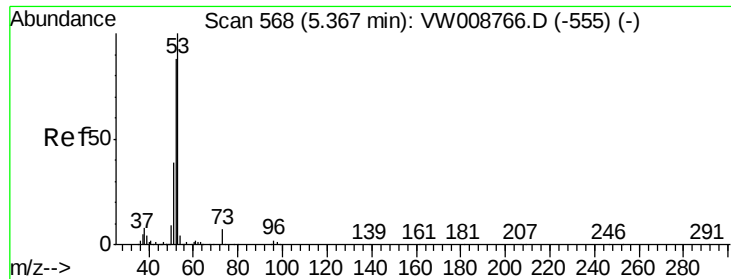
Ion Ratio Lower Upper

41 100

39 79.1 60.6 91.0

76 35.3 28.6 42.8





#15

Acrylonitrile

Concen: 229.801 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

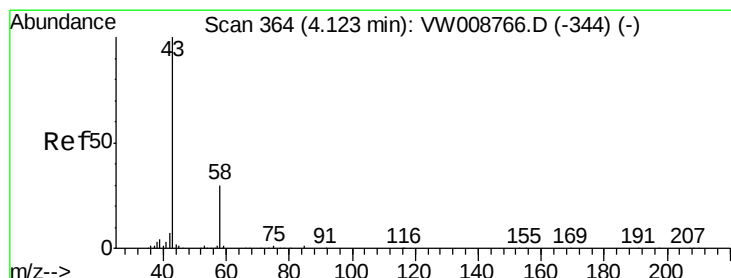
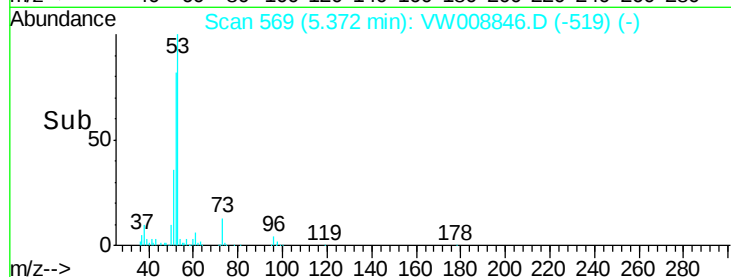
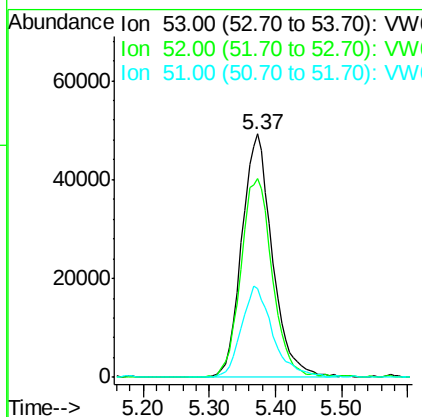
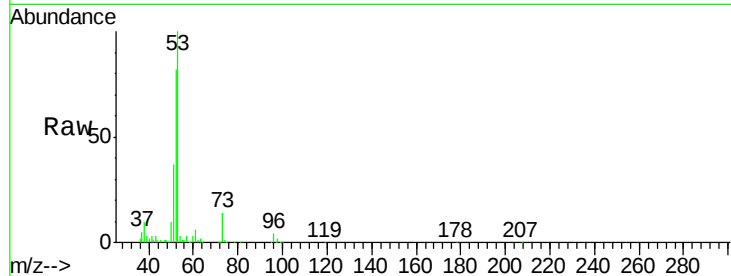
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	158407
Ion Ratio		Lower	Upper
53	100		
52	83.8	67.2	100.8
51	38.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 256.909 ug/l

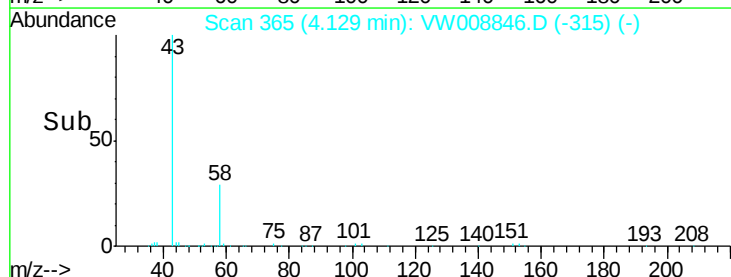
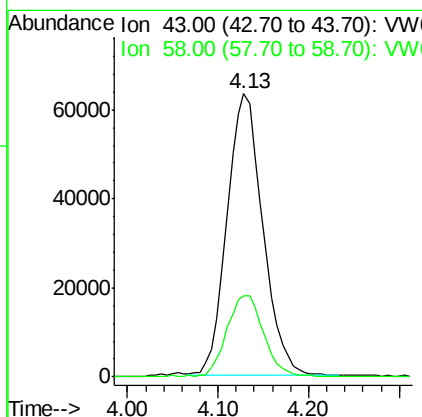
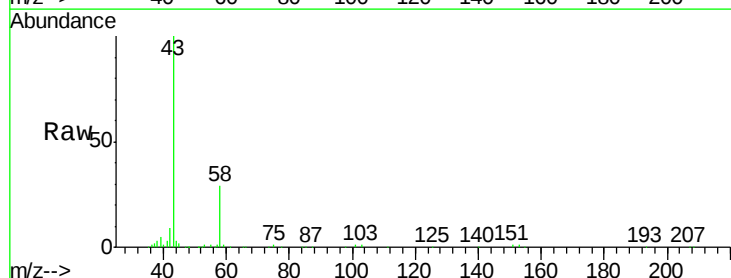
RT: 4.13 min Scan# 365

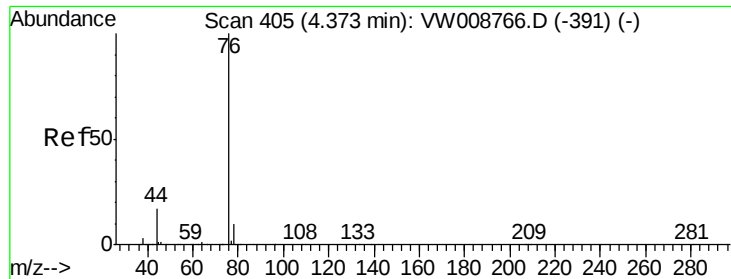
Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	43	Resp:	173562
Ion Ratio		Lower	Upper
43	100		
58	28.6	23.8	35.6





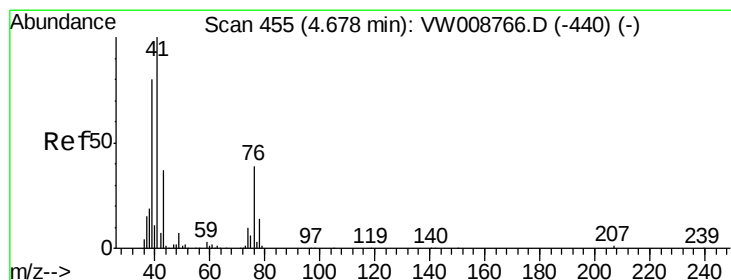
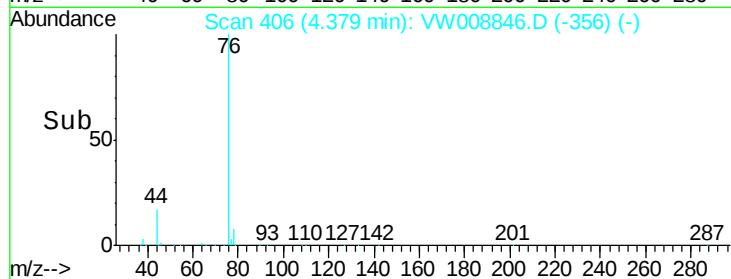
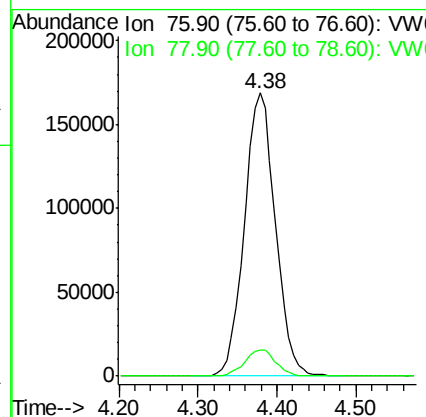
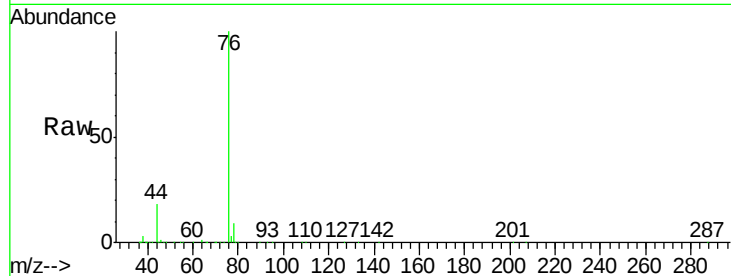
#17
Carbon Disulfide
Concen: 51.103 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.8

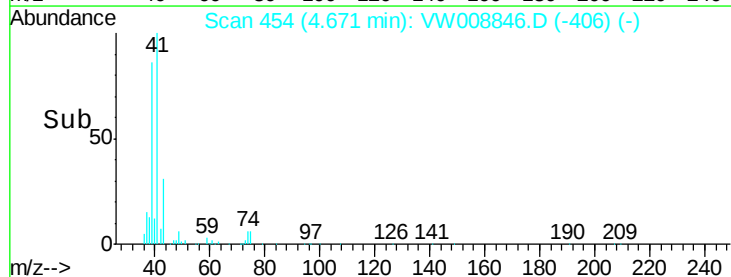
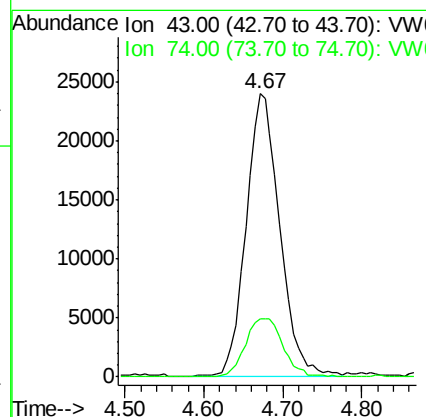
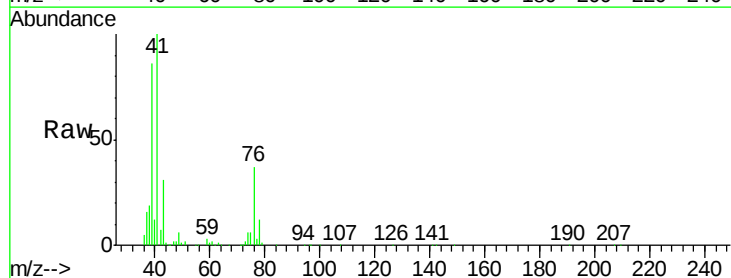
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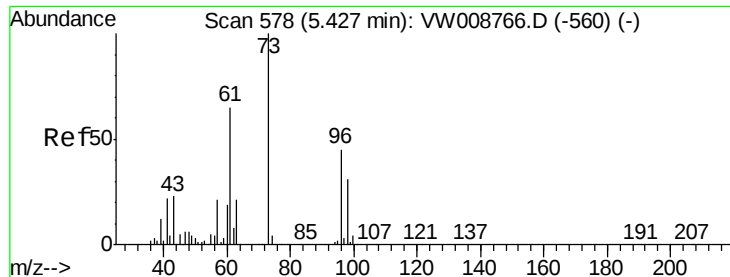
MMDadoda
3/1/2019 12:09:40 AM



#18
Methyl Acetate
Concen: 44.537 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2





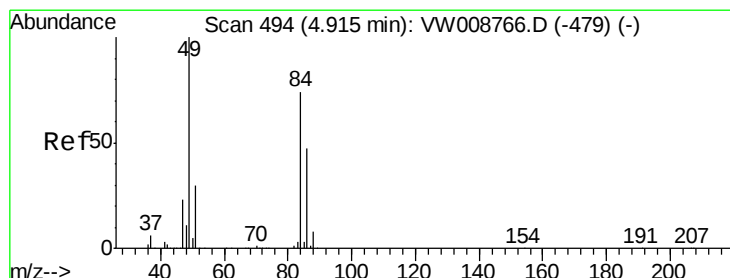
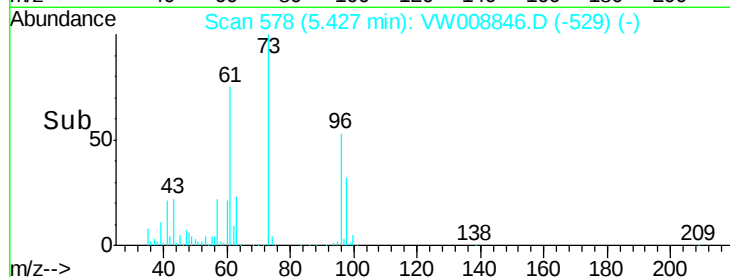
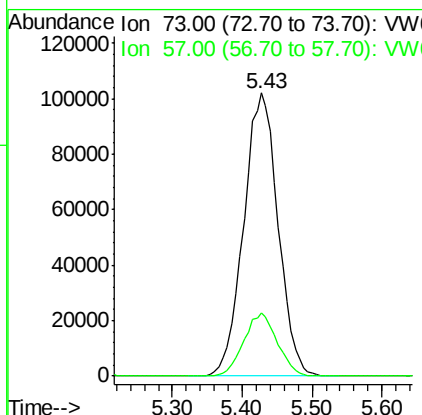
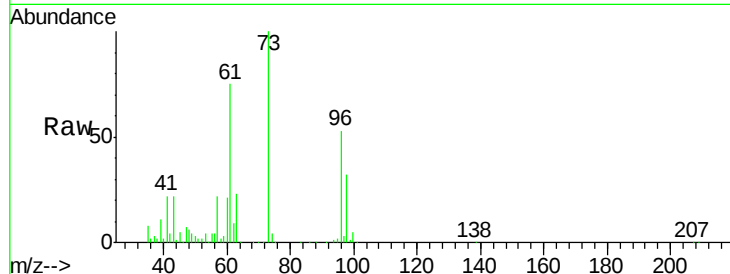
#19
Methvl tert-butvl Ether
Concen: 47.179 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 347449
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

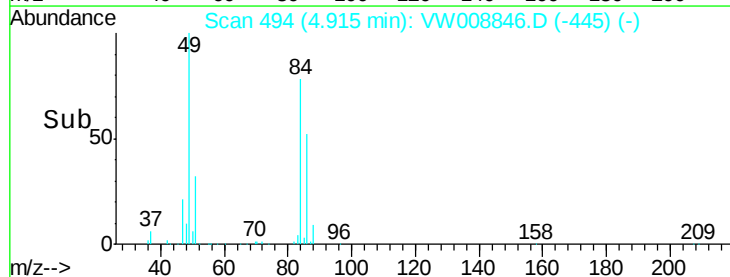
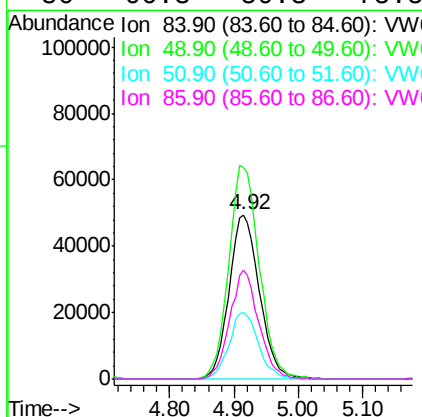
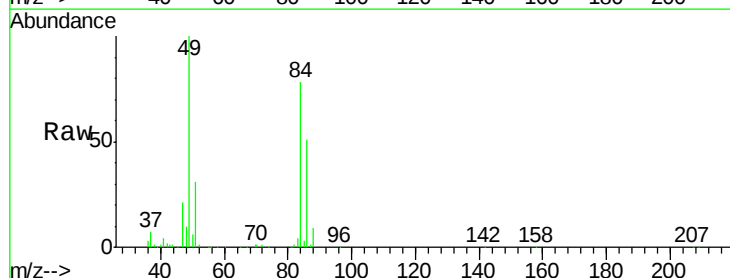
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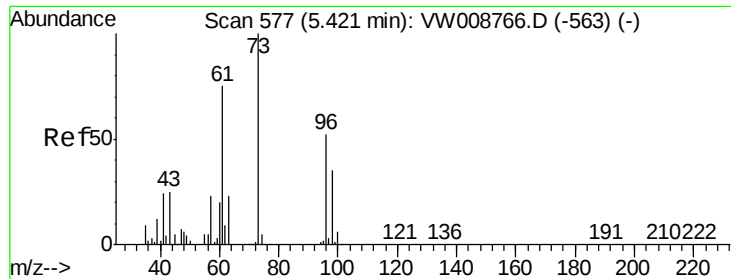
MMDadoda
3/1/2019 12:09:40 AM



#20
Methylene Chloride
Concen: 48.747 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 84 Resp: 162656
Ion Ratio Lower Upper
84 100
49 128.8 108.2 162.2
51 40.6 32.7 49.1
86 66.3 50.3 75.5





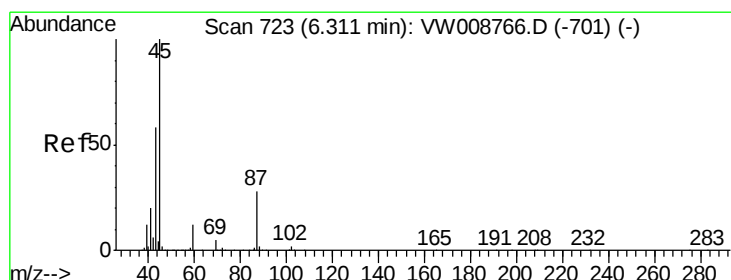
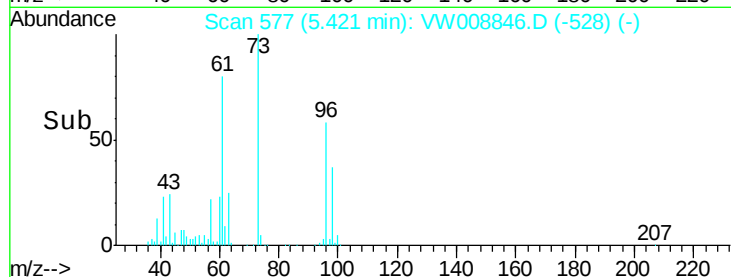
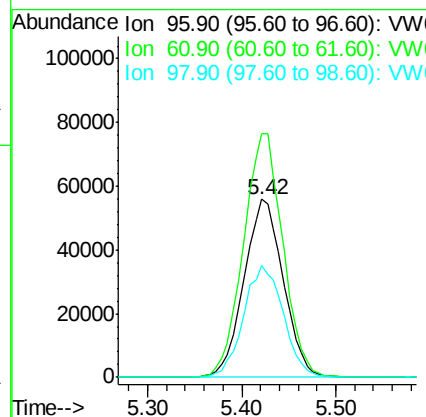
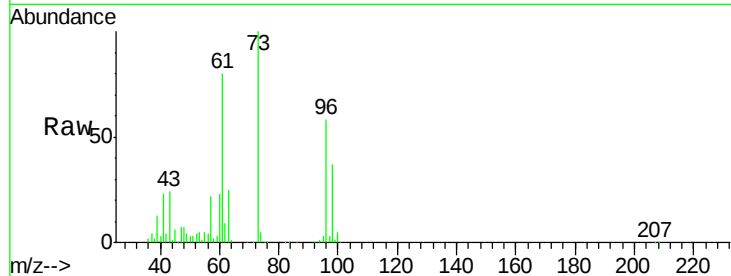
#21
trans-1,2-Dichloroethene
Concen: 51.893 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	114.6	171.8
98	62.8	54.0	81.0

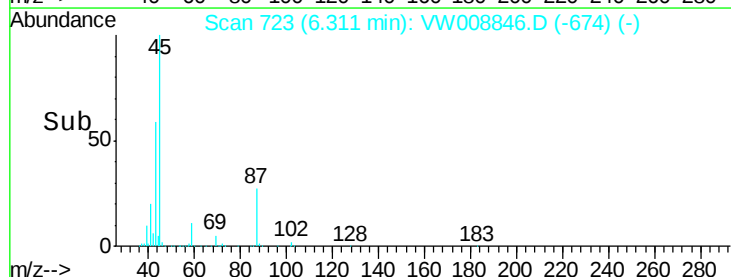
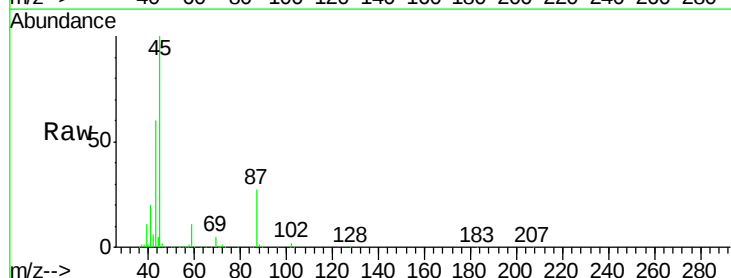
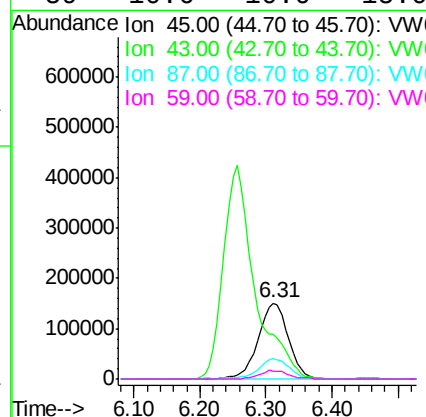
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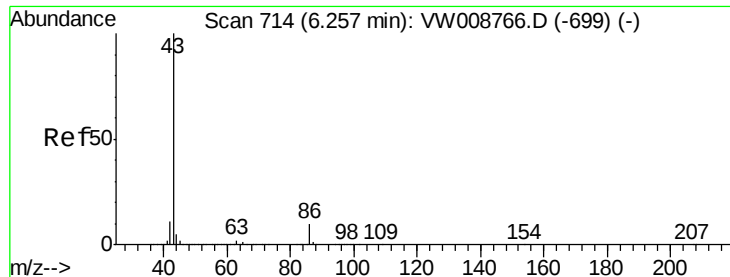
MMDadoda
3/1/2019 12:09:40 AM



#22
Diisopropyl ether
Concen: 51.002 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	46.1	69.1
87	26.6	22.2	33.4
59	10.6	10.0	15.0





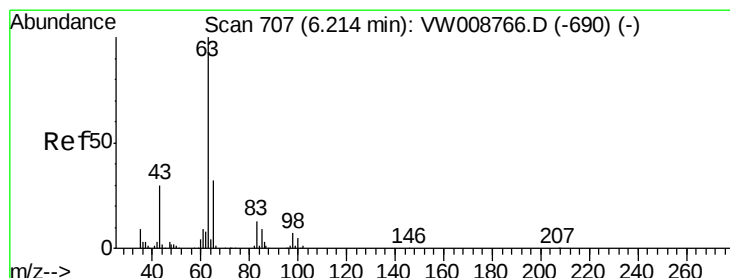
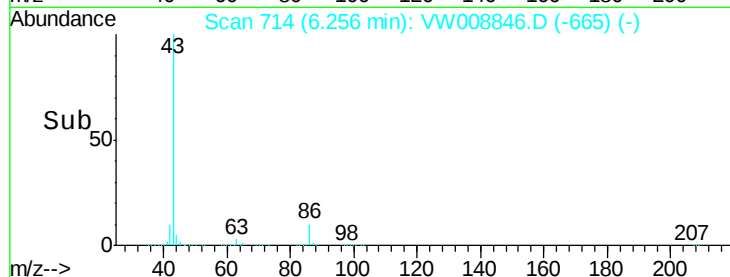
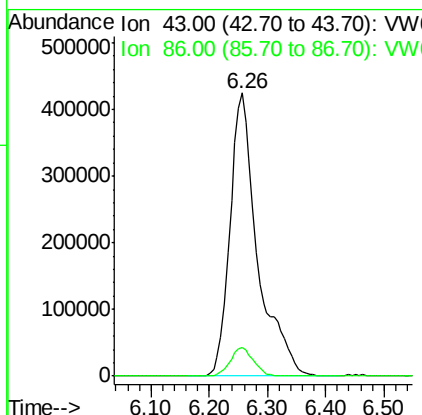
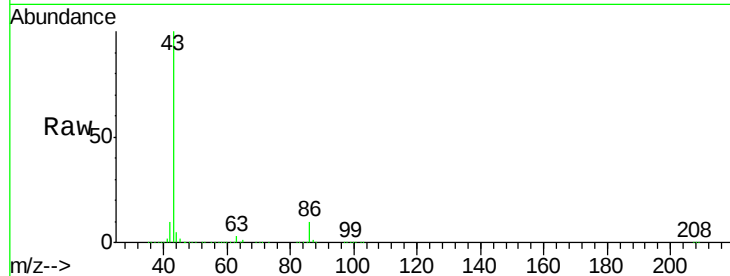
#23
 Vinyl Acetate
 Concen: 241.921 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1400196
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.1 12.1

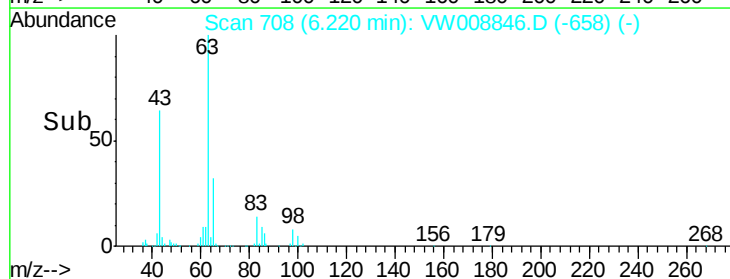
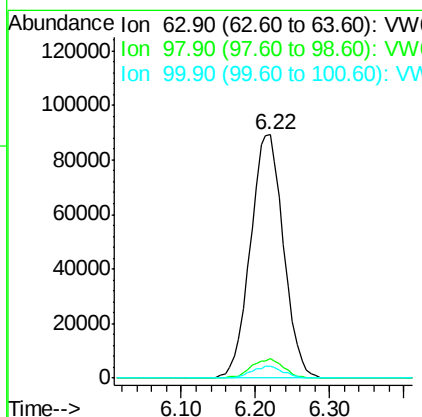
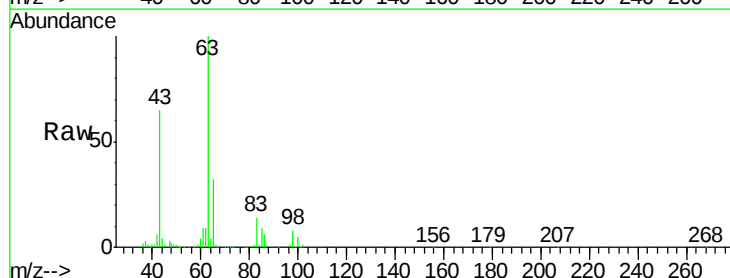
Manual Integrations
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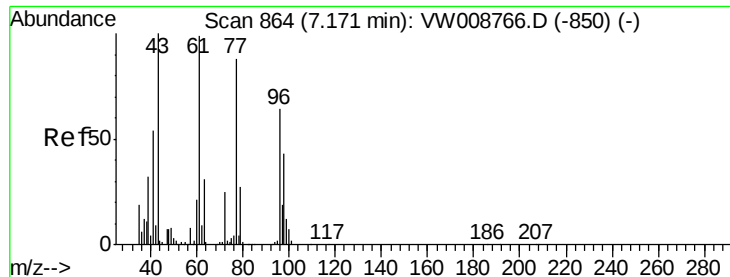
MMDadoda
 3/1/2019 12:09:40 AM



#24
 1,1-Dichloroethane
 Concen: 51.044 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 63 Resp: 277082
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.5 10.6
 100 4.9 2.4 7.2





#25

2-Butanone

Concen: 236.086 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 222984

Ion Ratio Lower Upper

43 100

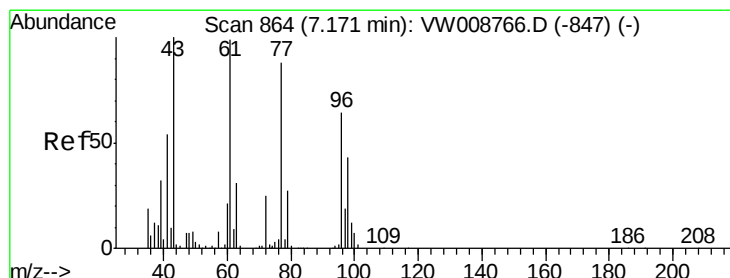
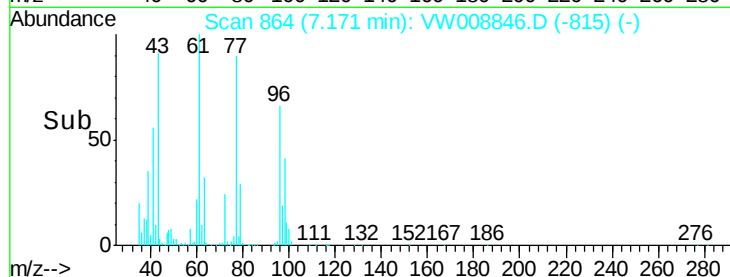
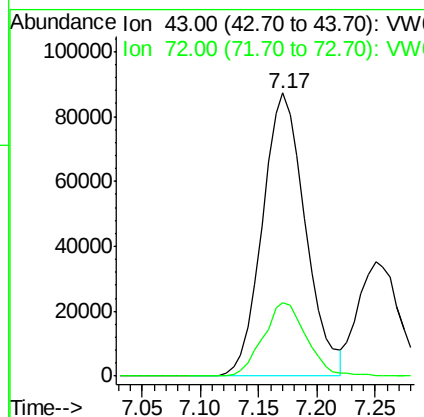
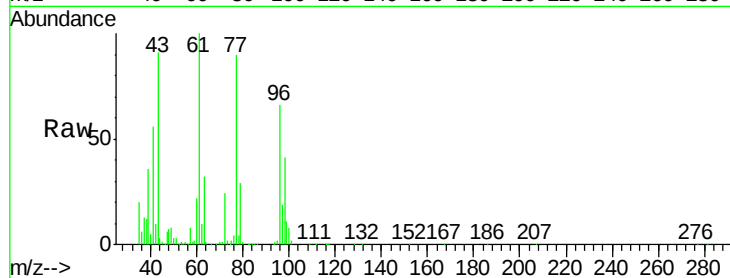
72 26.0 19.7 29.5

Manual Integrations

APPROVED

MMDadoda

3/1/2019 12:09:40 AM



#26

2,2-Dichloropropane

Concen: 53.012 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008846.D

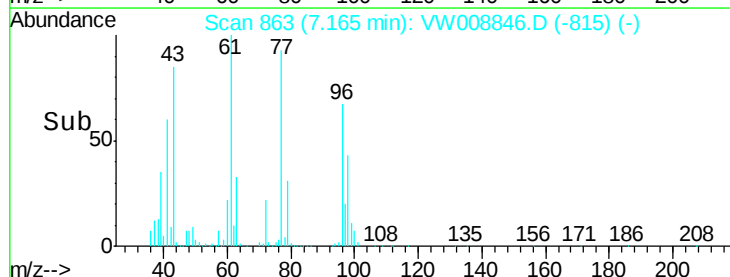
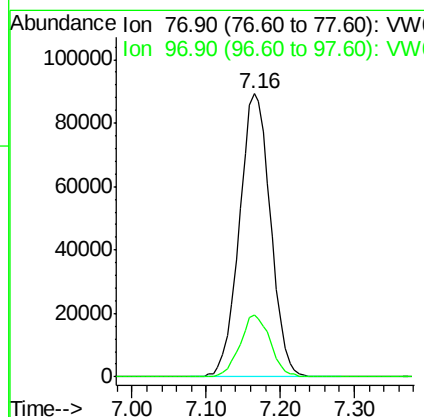
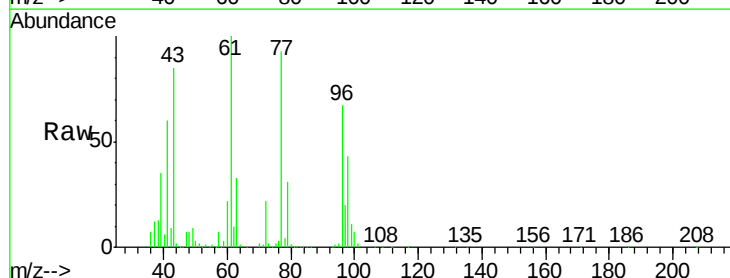
Acq: 27 Feb 2019 11:02

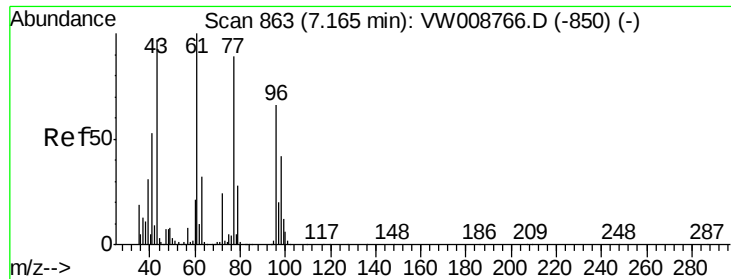
Tgt Ion: 77 Resp: 261254

Ion Ratio Lower Upper

77 100

97 21.4 11.0 33.0





#27

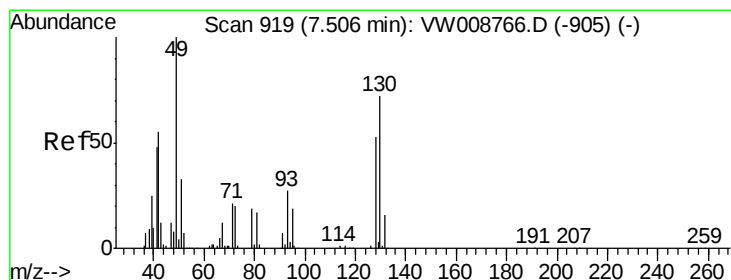
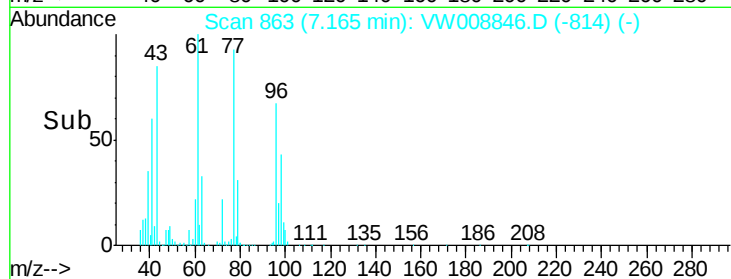
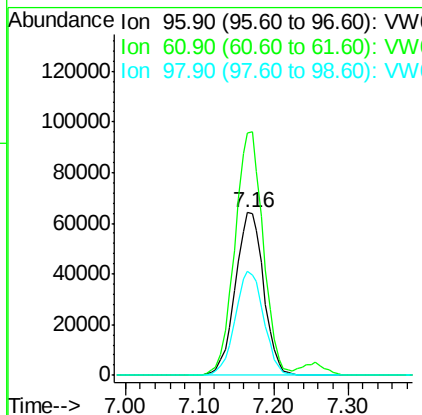
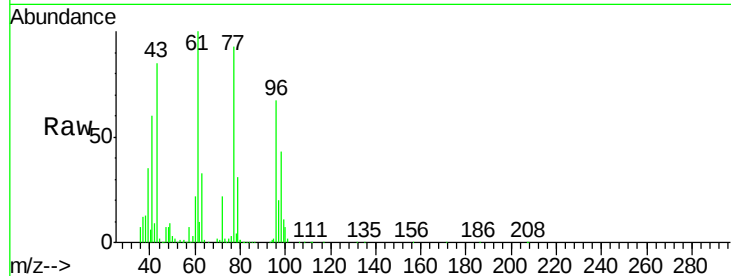
cis-1,2-Dichloroethene
Concen: 51.048 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	302.6
98	64.5	0.0	130.0

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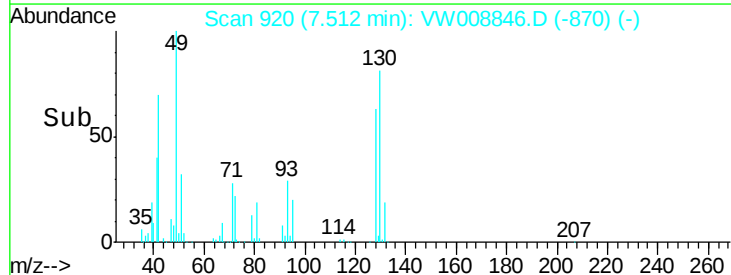
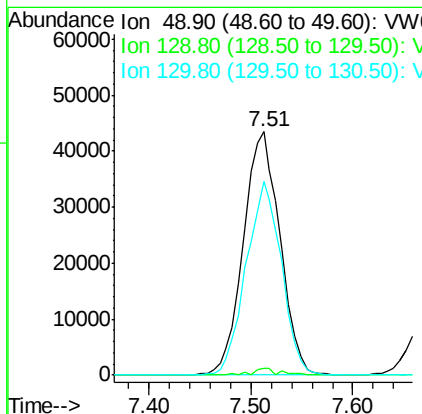
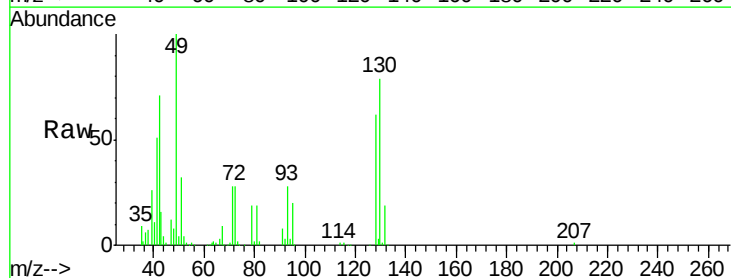
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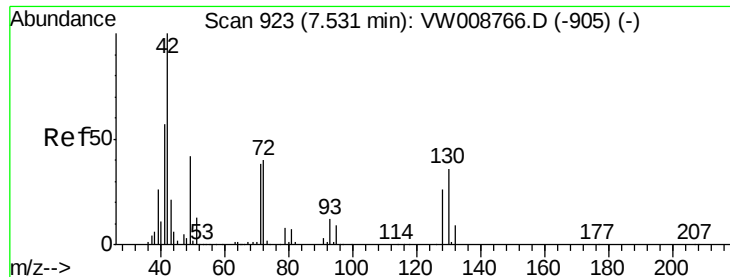


#28

Bromochloromethane
Concen: 47.602 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.6
130	77.0	61.3	91.9





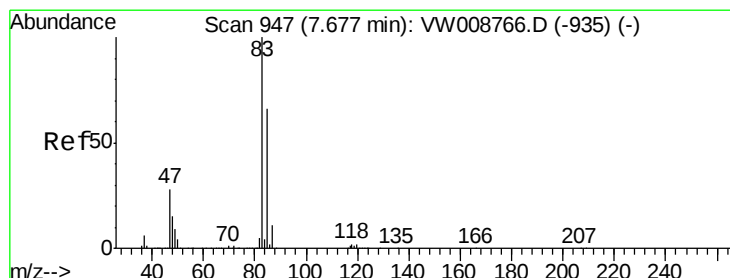
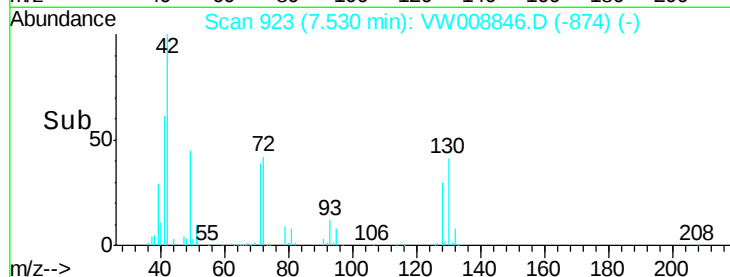
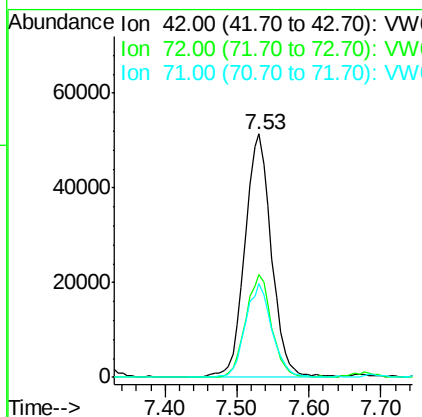
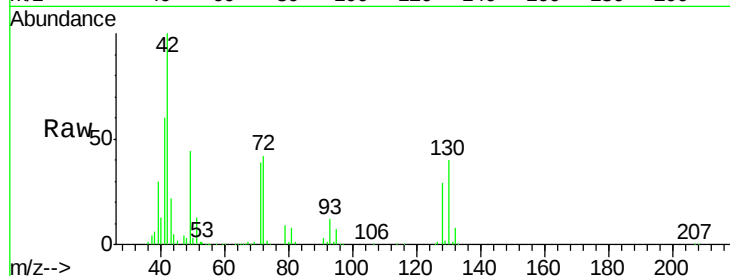
#29
Tetrahydrofuran
Concen: 219.277 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.7	49.1
71	38.4	31.3	46.9

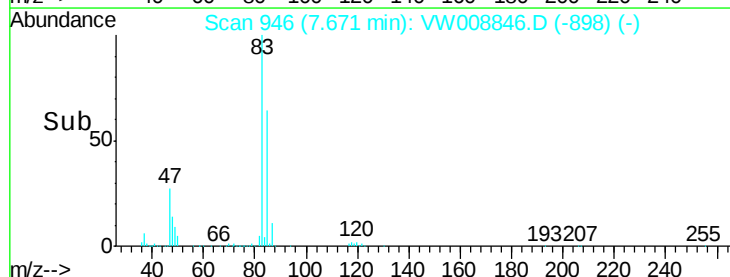
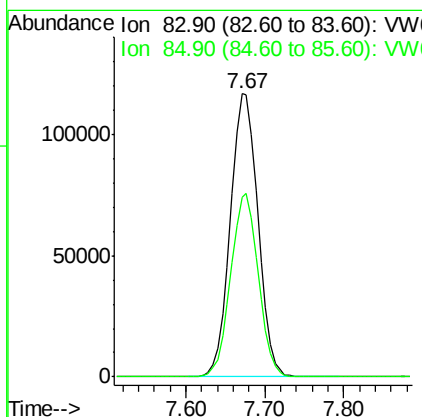
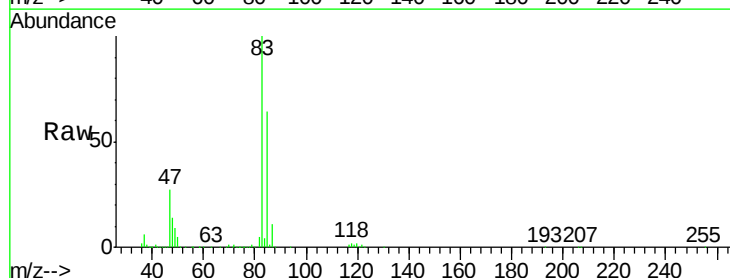
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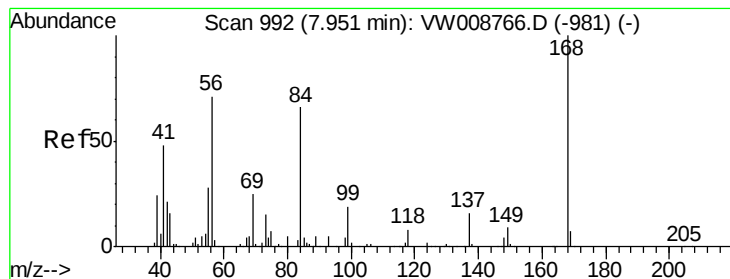
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#30
Chloroform
Concen: 51.175 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	79.0





#31

Cyclohexane

Concen: 51.287 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

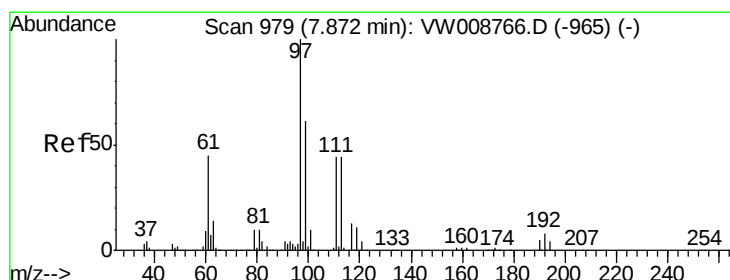
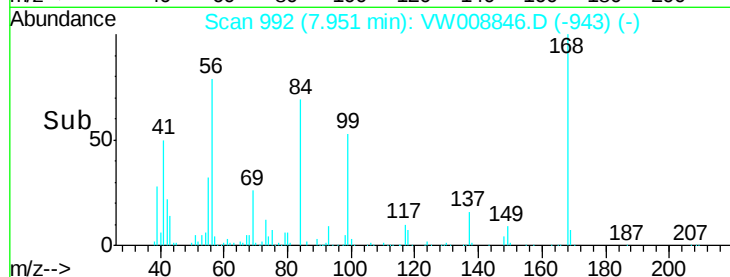
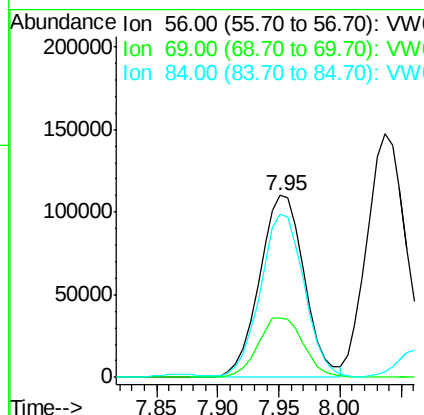
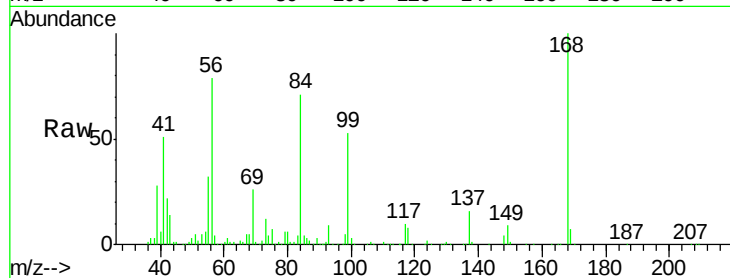
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	281805
Ion Ratio	Lower	Upper	
56	100		
69	32.8	28.2	42.4
84	88.1	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.410 ug/l

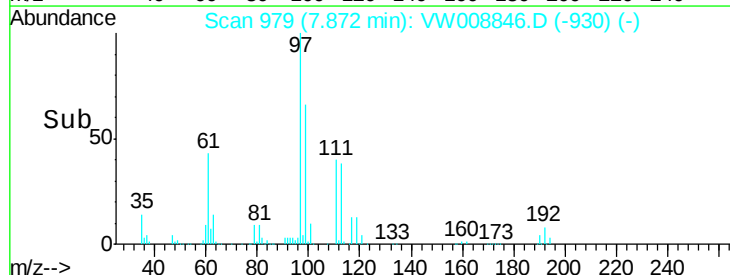
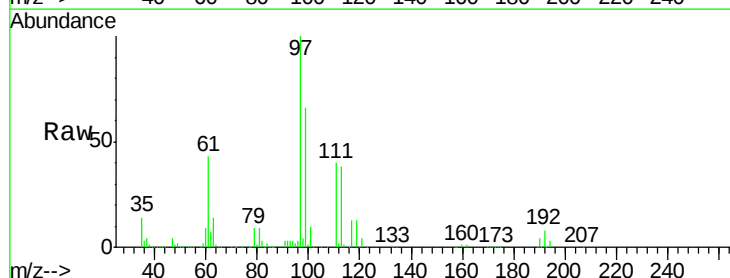
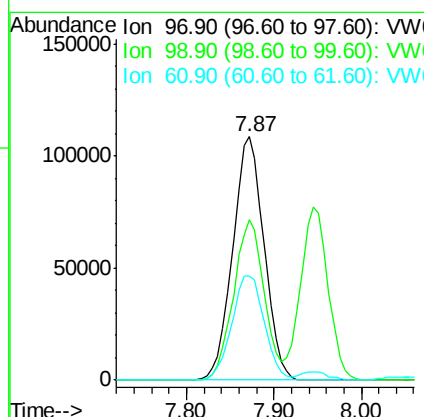
RT: 7.87 min Scan# 979

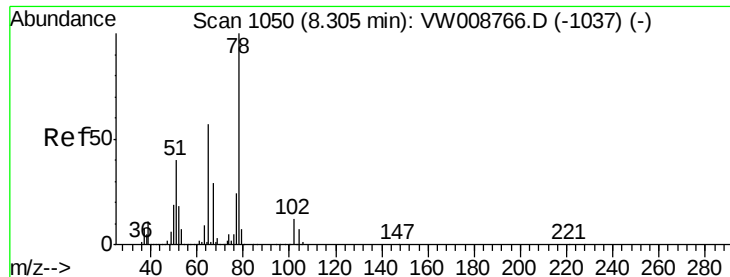
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	97	Resp:	270484
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.8	76.2
61	44.6	36.0	54.0





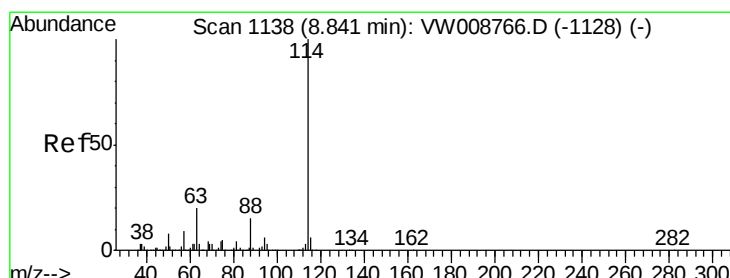
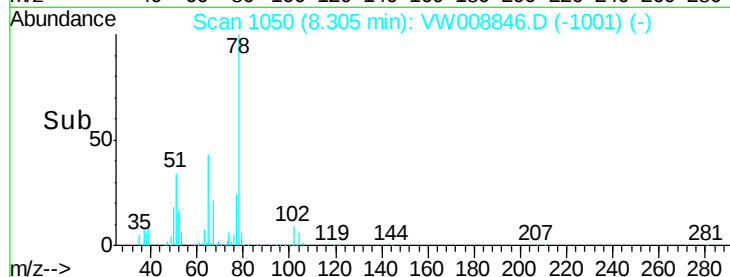
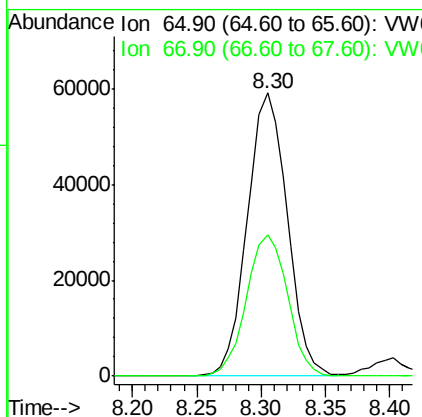
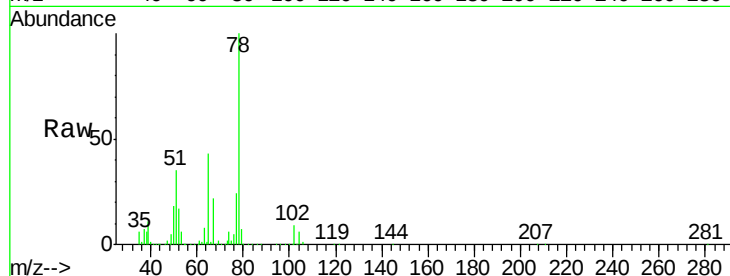
#33
 1,2-Dichloroethane-d4
 Concen: 43.543 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126911		
67	51.4	0.0	101.4	

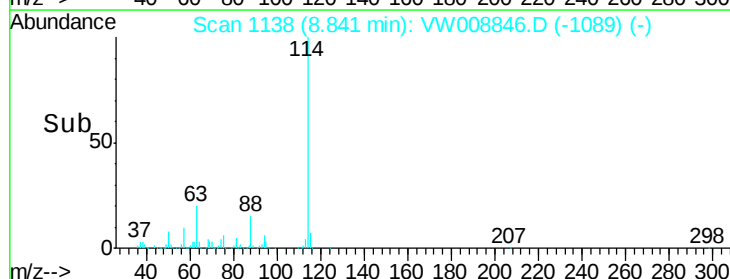
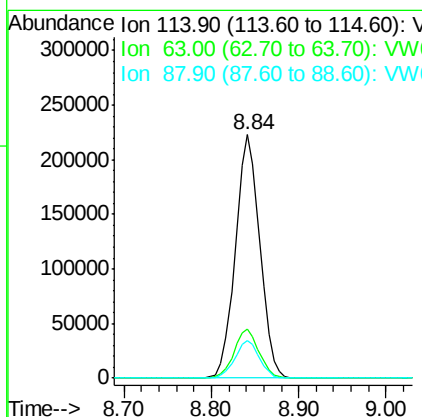
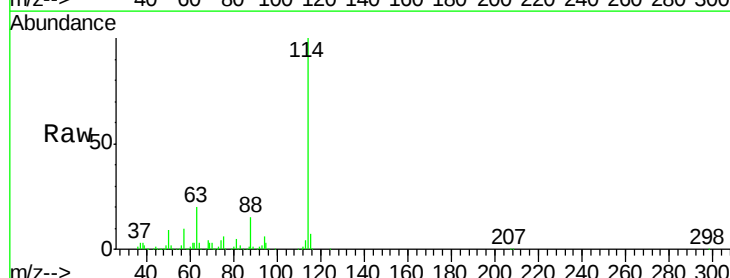
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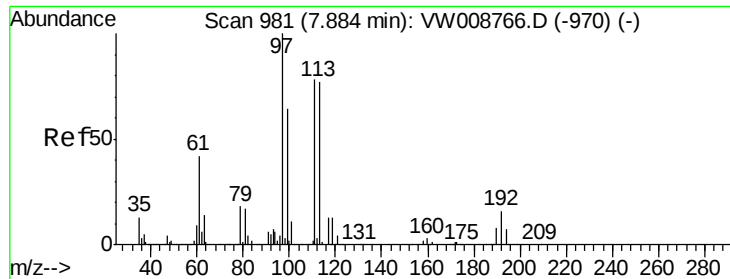
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	432411		
63	20.2	0.0	40.8	
88	15.2	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.560 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

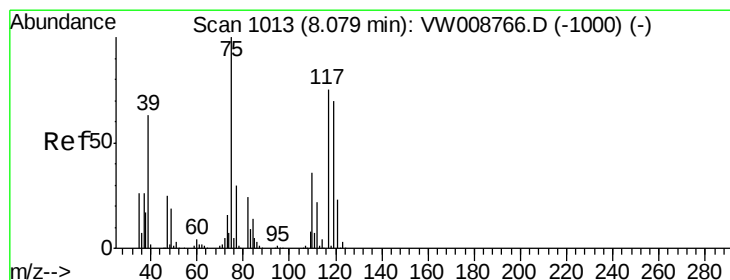
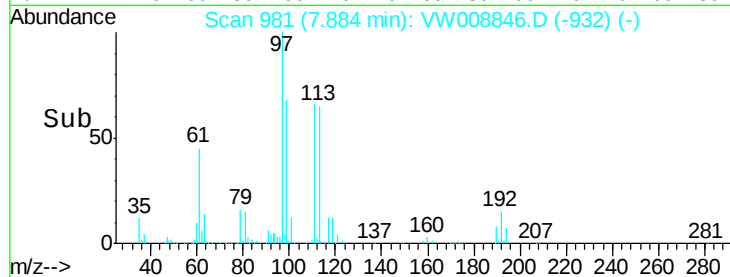
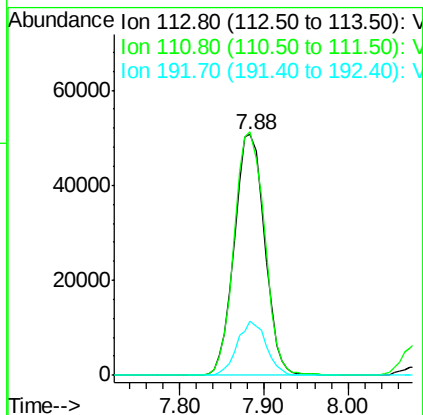
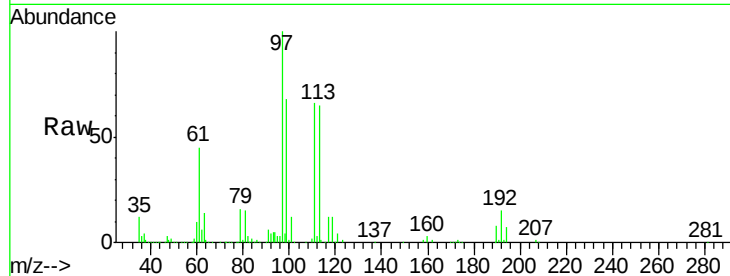
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	123478
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.9	122.9
192	21.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 55.376 ug/l

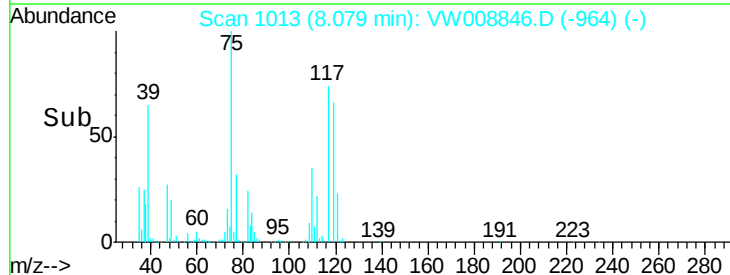
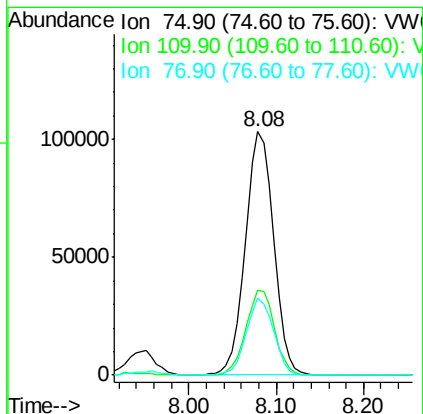
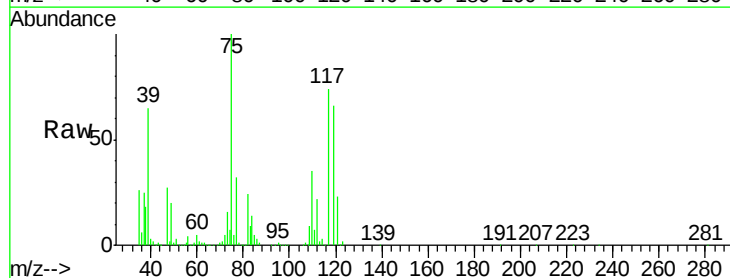
RT: 8.08 min Scan# 1013

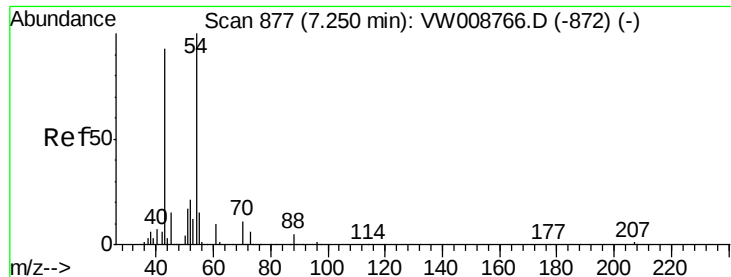
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	75	Resp:	233093
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.5	52.6
77	30.8	24.5	36.7





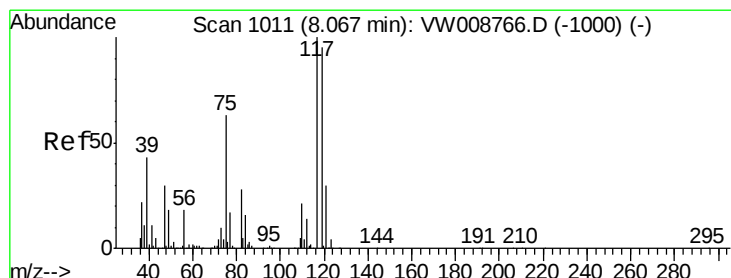
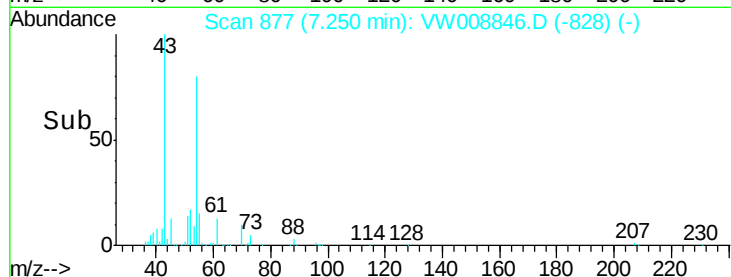
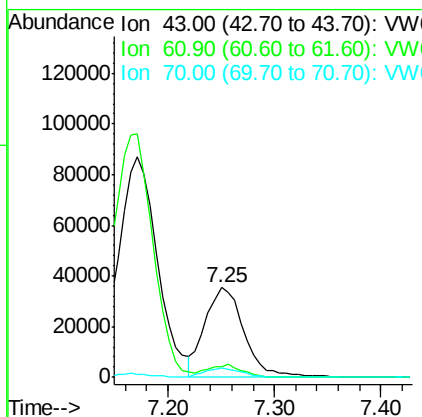
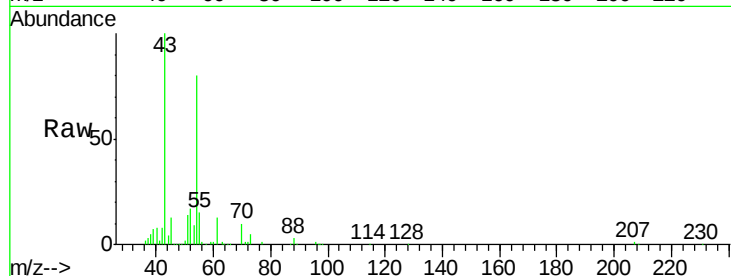
#37
Ethyl Acetate
Concen: 45.305 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.8	14.8
70	10.1	8.4	12.6

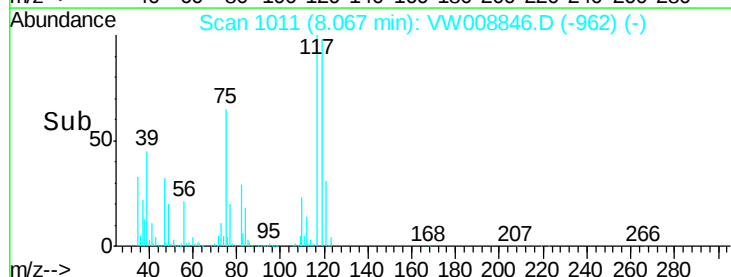
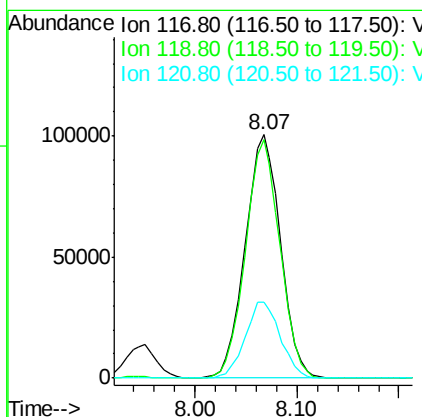
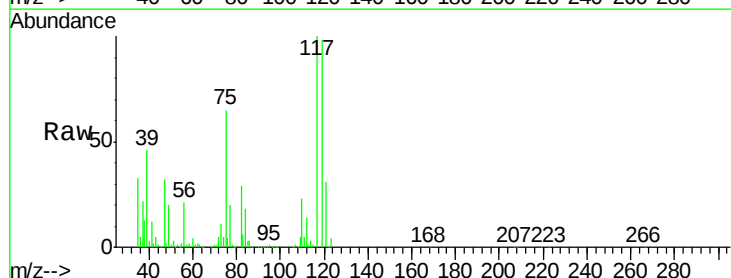
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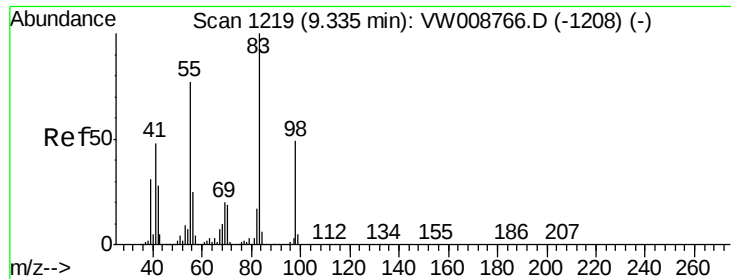
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#38
Carbon Tetrachloride
Concen: 54.438 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.1	114.1
121	31.3	24.0	36.0





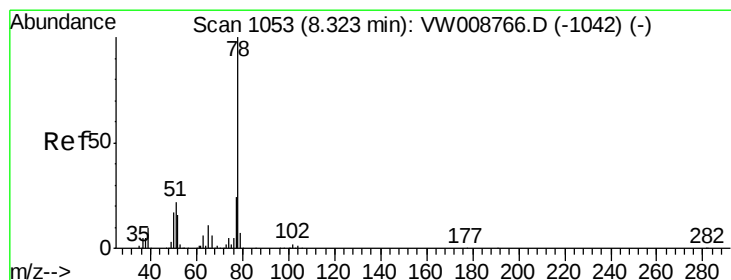
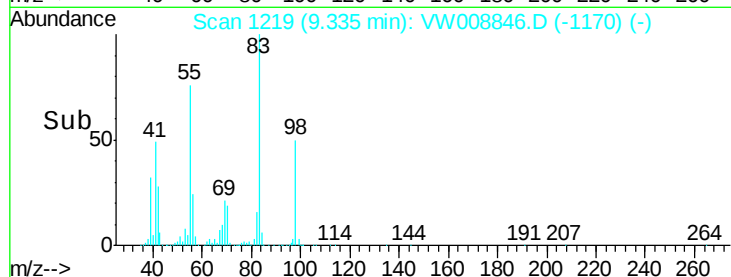
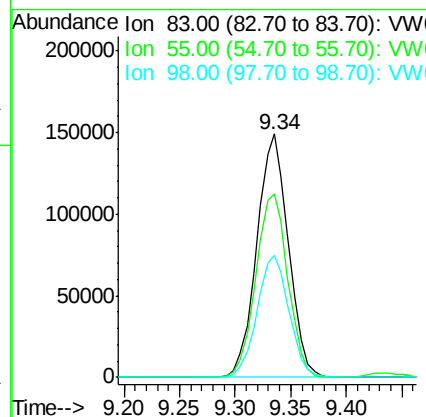
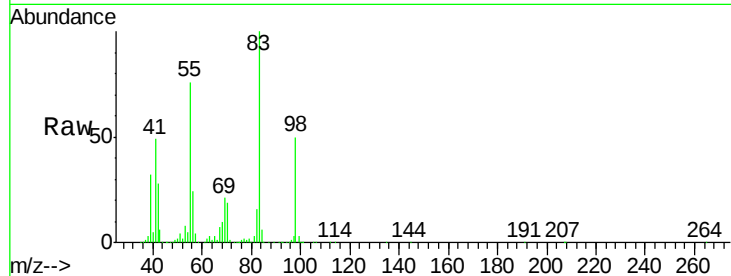
#39
Methvlcvclohexane
Concen: 55.930 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.2	91.8
98	50.0	39.4	59.2

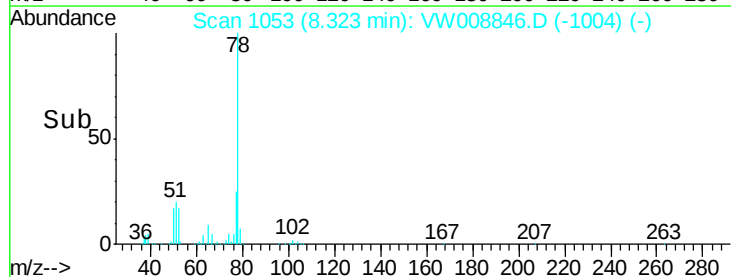
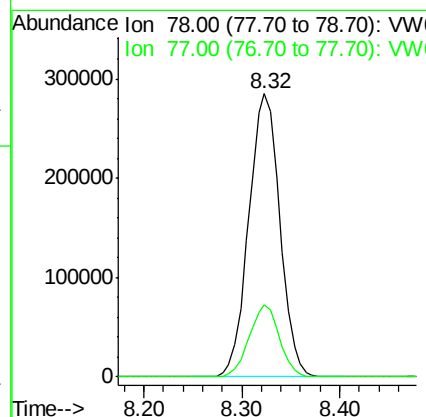
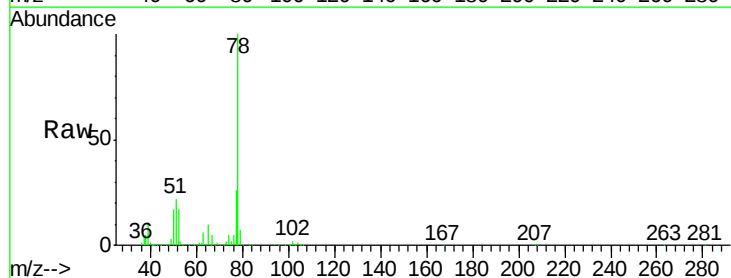
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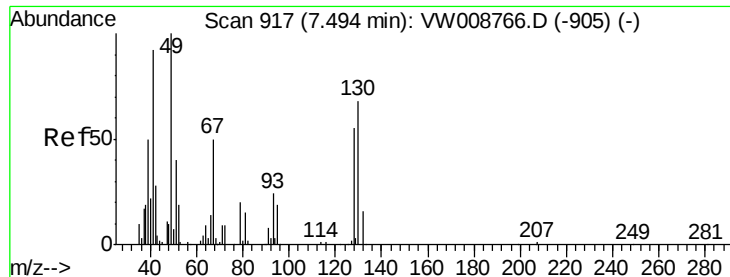
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#40
Benzene
Concen: 54.701 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.3	28.9





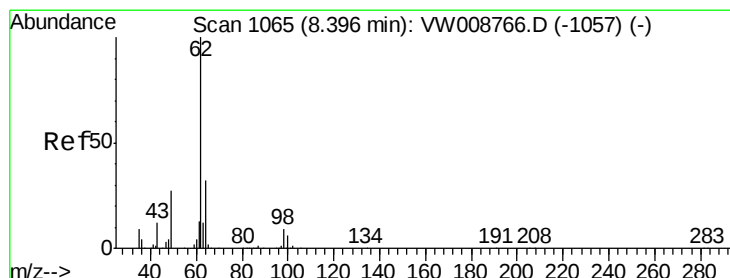
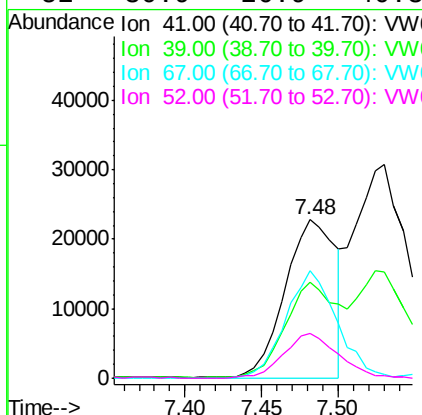
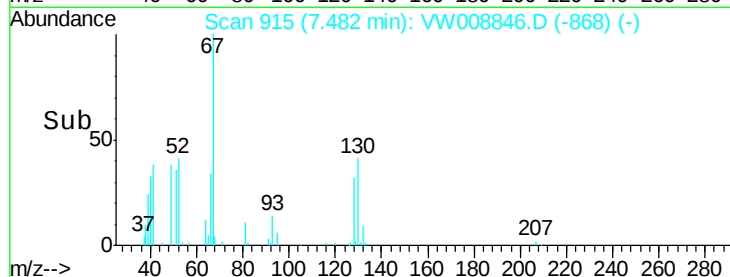
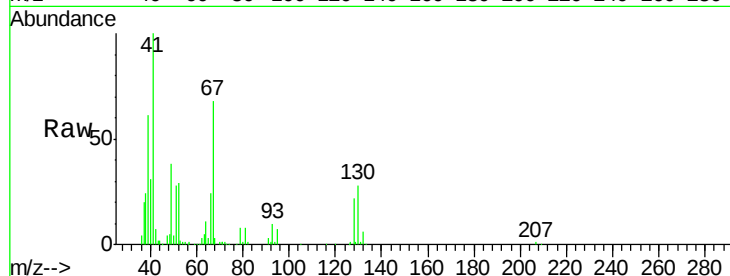
#41
Methacrylonitrile
Concen: 45.379 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.3	52.5	78.7
67	69.8	55.0	82.6
52	30.9	26.9	40.3

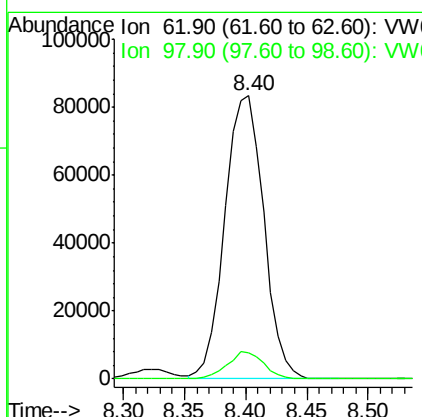
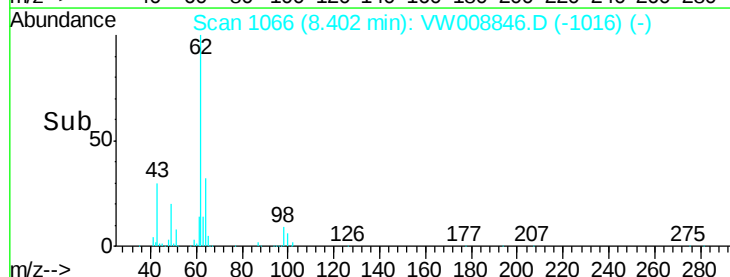
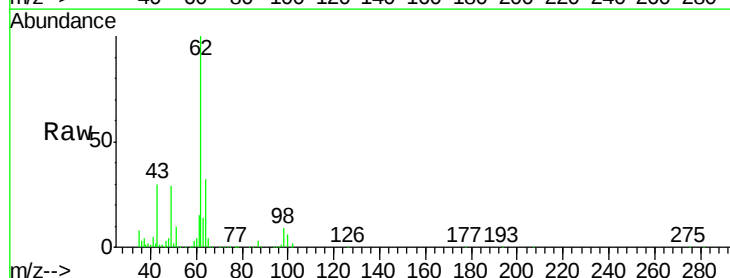
Manual Integrations
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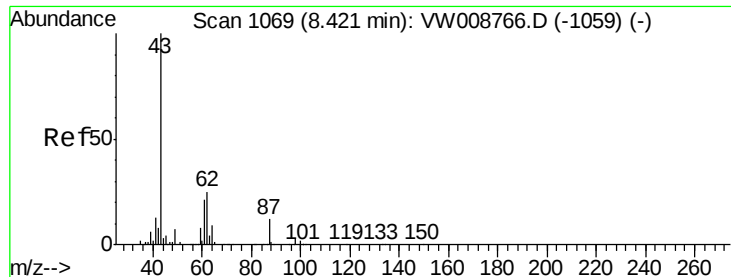
MMDadoda
3/1/2019 12:09:40 AM



#42
1,2-Dichloroethane
Concen: 50.528 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 46.463 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

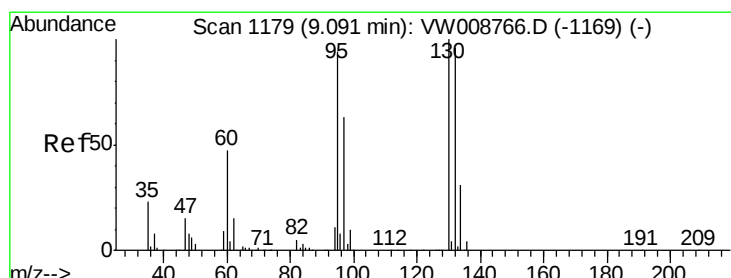
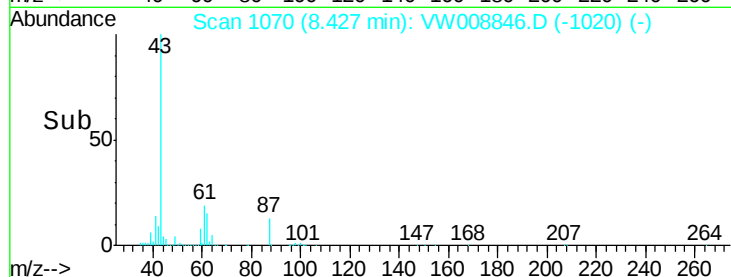
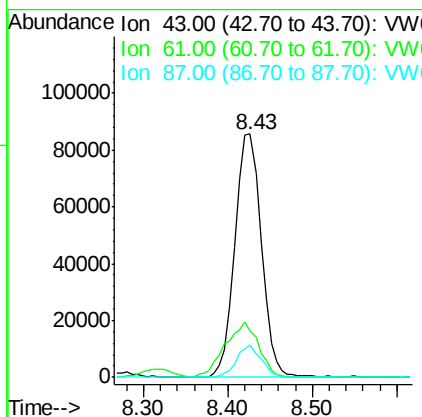
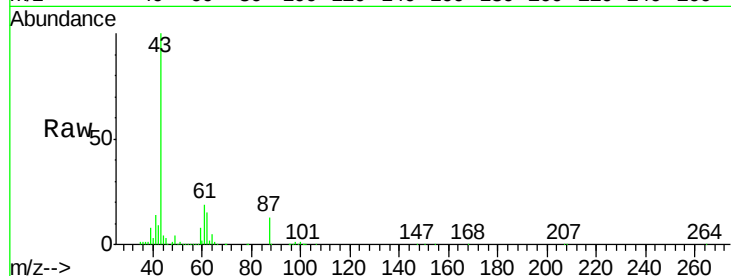
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	181514
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.2	34.8
87	12.4	9.9	14.9

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#44

Trichloroethene

Concen: 54.594 ug/l

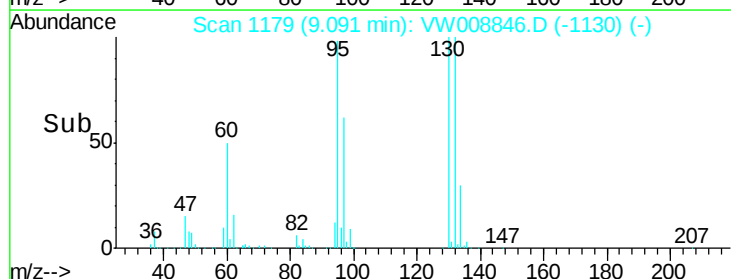
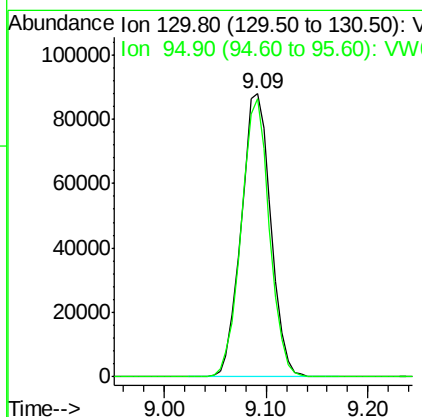
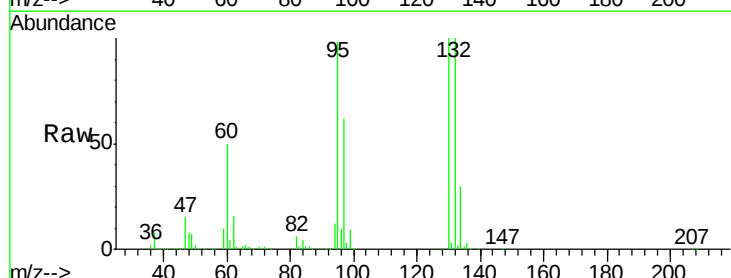
RT: 9.09 min Scan# 1179

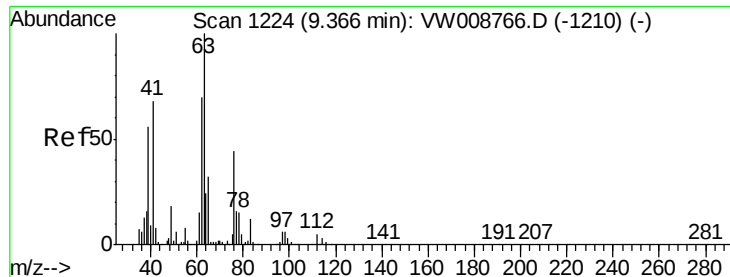
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	130	Resp:	176751
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	188.6





#45

1,2-Dichloropropane

Concen: 52.988 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150484

Ion Ratio Lower Upper

63 100

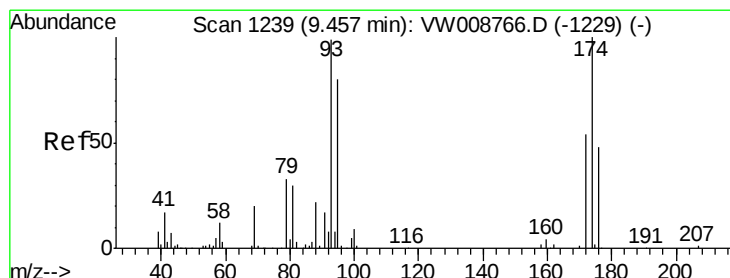
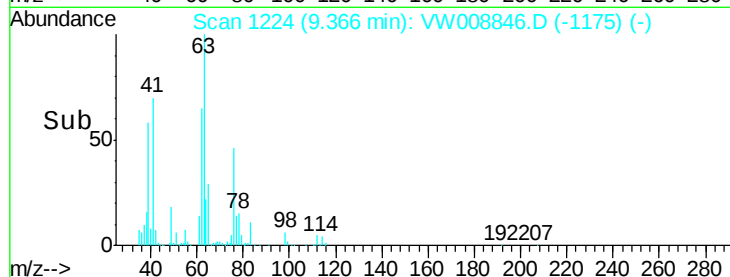
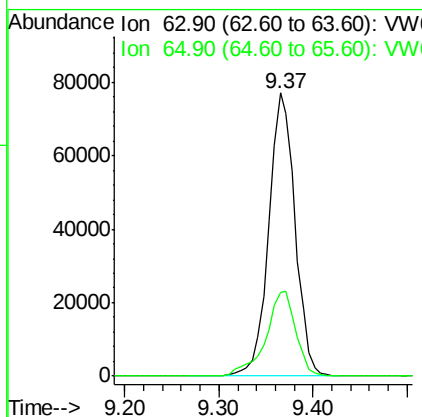
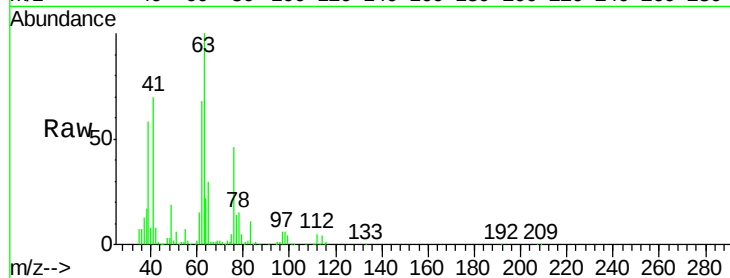
65 29.7 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 50.646 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

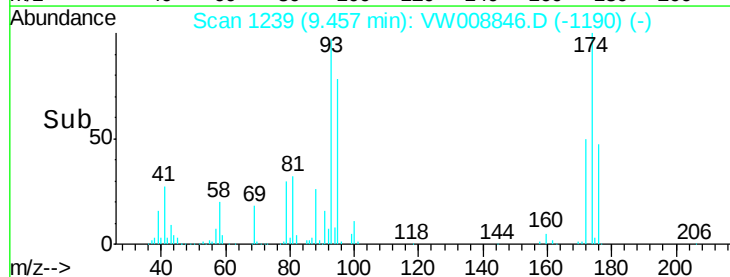
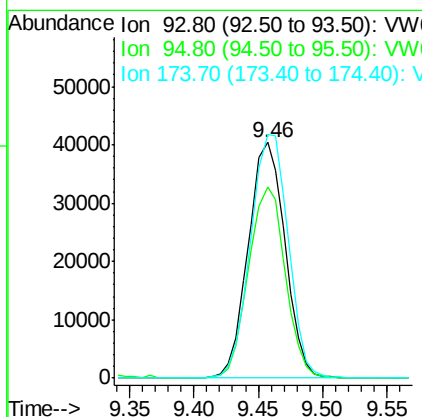
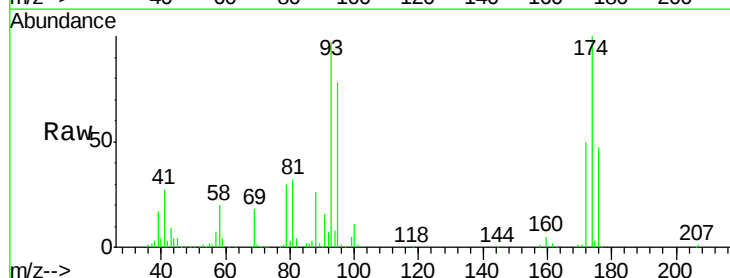
Tgt Ion: 93 Resp: 80006

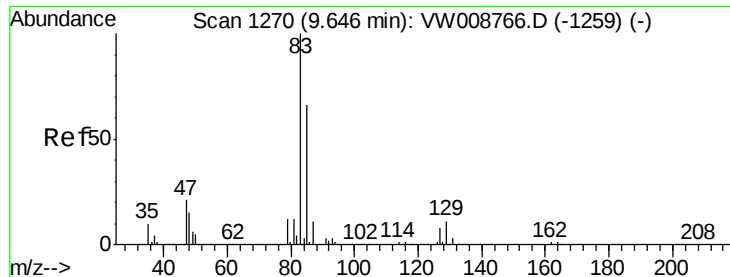
Ion Ratio Lower Upper

93 100

95 81.0 67.7 101.5

174 106.0 86.7 130.1





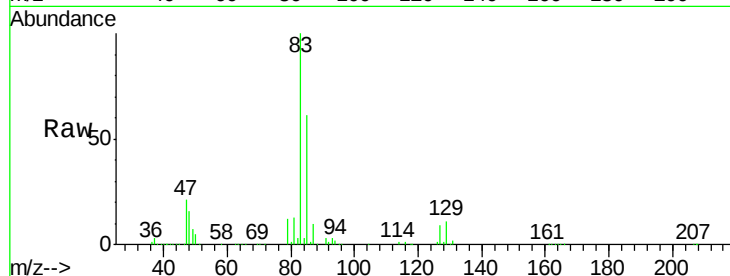
#47
Bromodichloromethane
Concen: 53.667 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

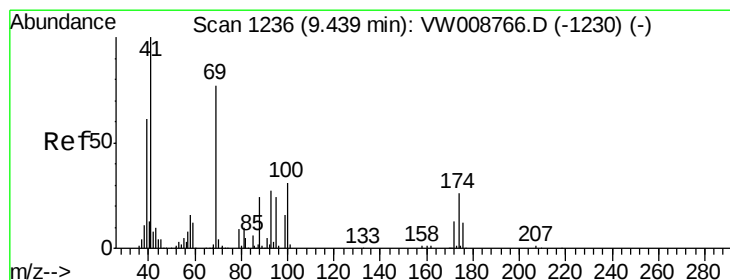
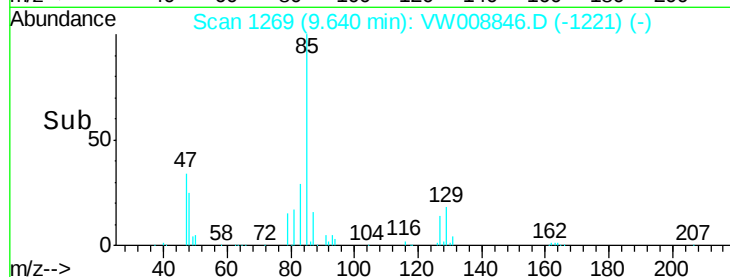
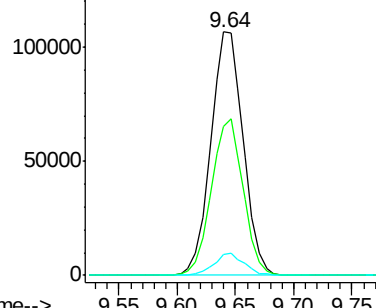
Tot Ion	Ratio	Resp	Lower	Upper
83	100	206267		
85	61.3		52.5	78.7
127	8.5		6.7	10.1

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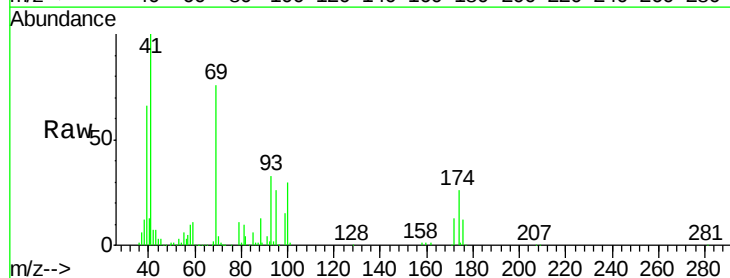


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

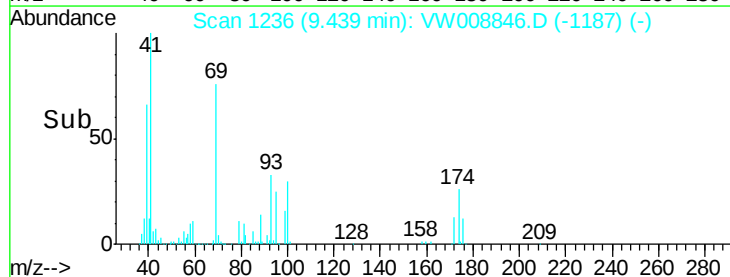
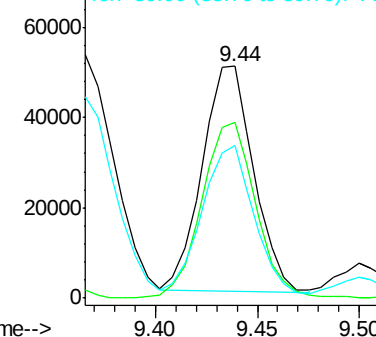


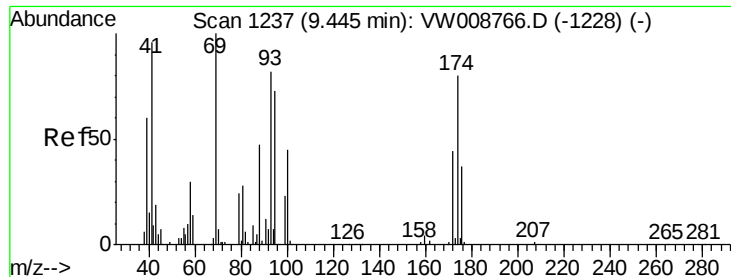
#48
Methyl methacrylate
Concen: 46.759 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	87488		
69	81.8		63.6	95.4
39	65.3		52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





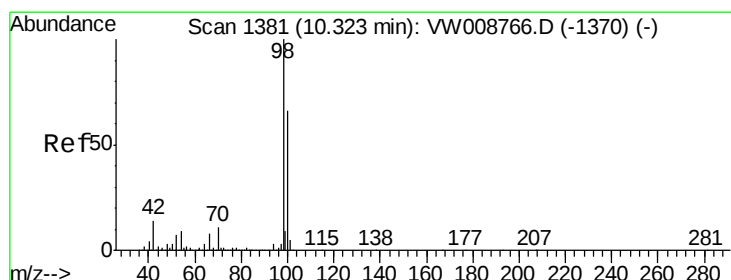
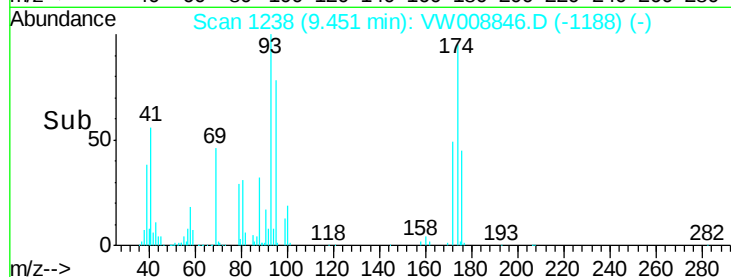
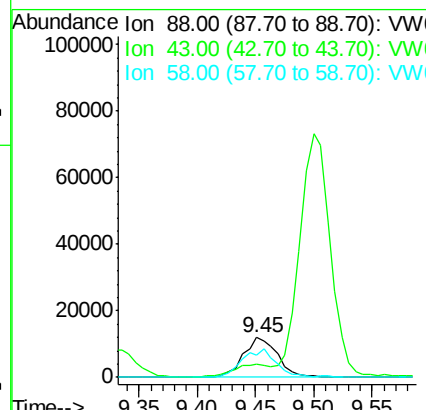
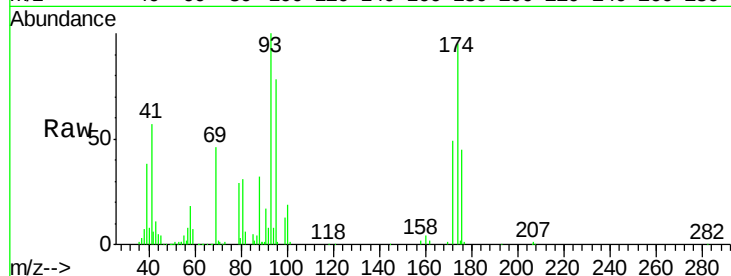
#49
1,4-Dioxane
Concen: 973.971 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	29.0	43.4
58	72.3	52.0	78.0

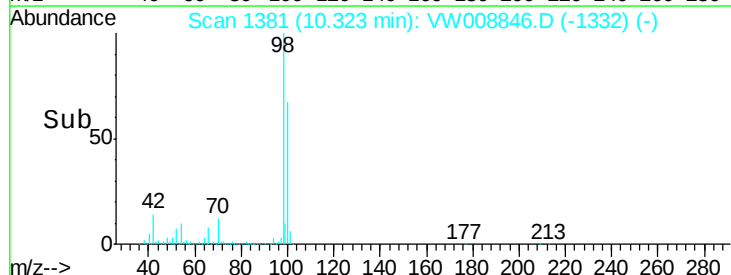
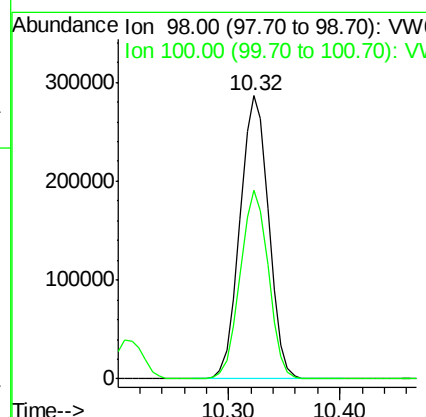
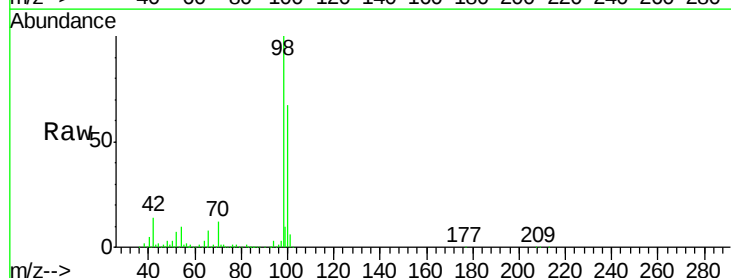
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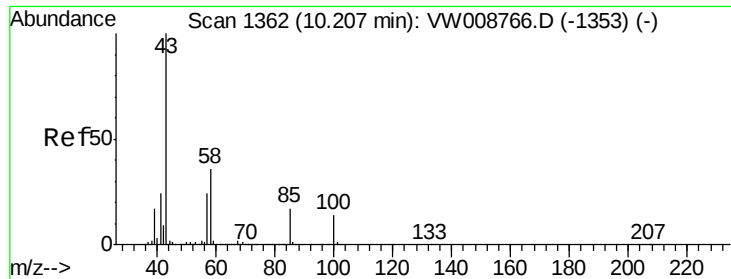
MMDadoda
3/1/2019 12:09:40 AM



#50
Toluene-d8
Concen: 50.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 233.678 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 463470

Ion Ratio Lower Upper

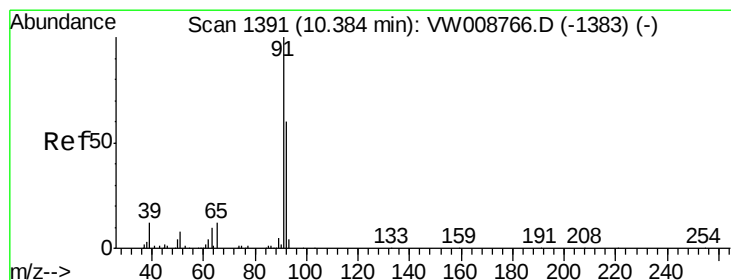
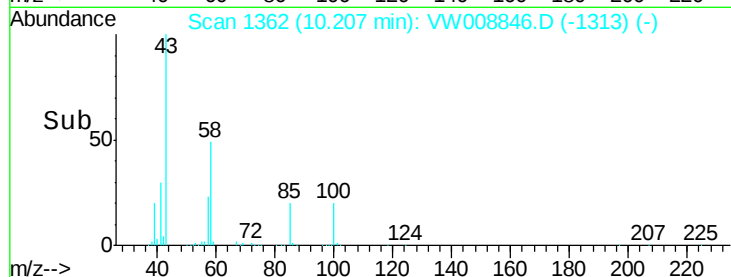
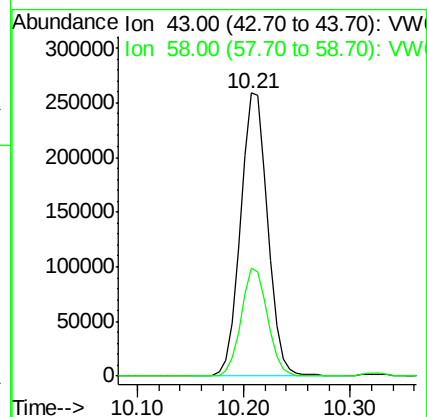
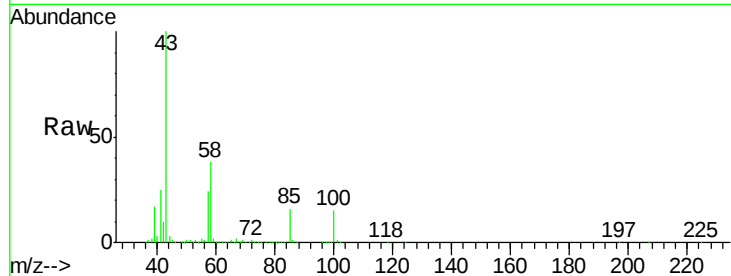
43 100

58 37.4 29.1 43.7

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#52

Toluene

Concen: 56.395 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008846.D

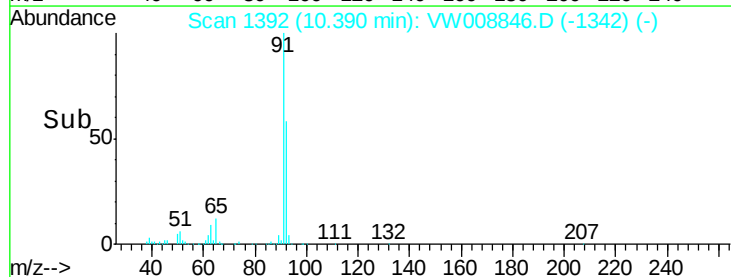
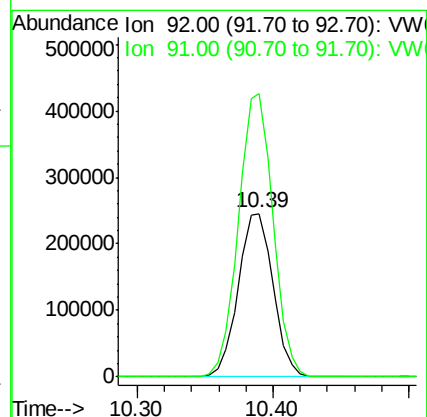
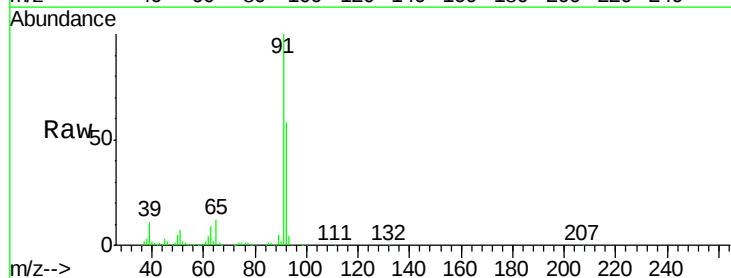
Acq: 27 Feb 2019 11:02

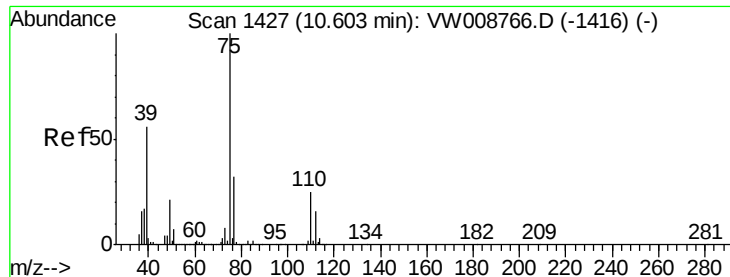
Tgt Ion: 92 Resp: 439863

Ion Ratio Lower Upper

92 100

91 171.5 136.9 205.3





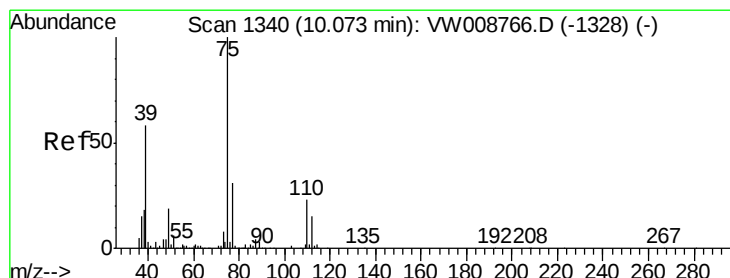
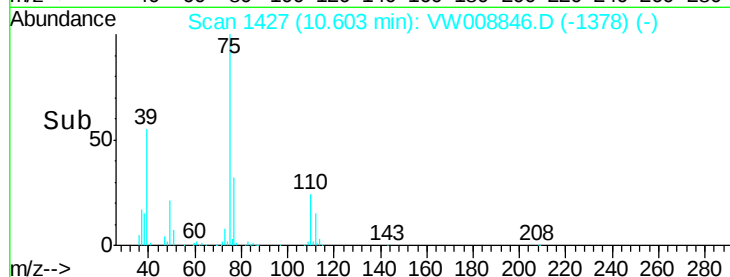
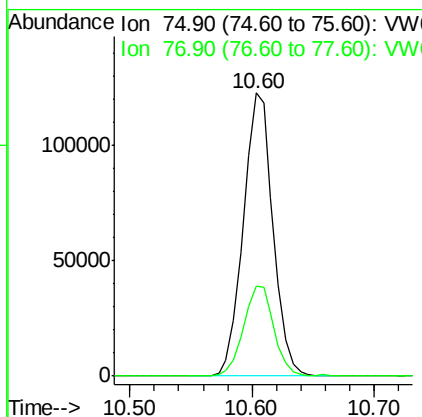
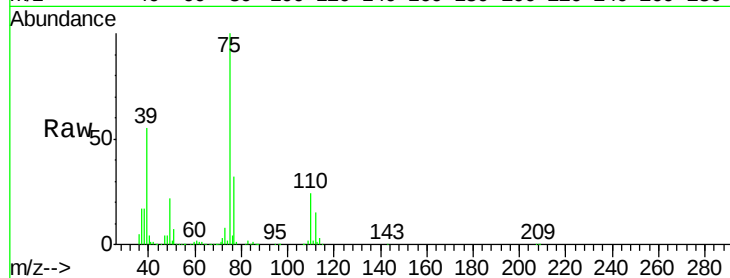
#53
 t-1,3-Dichloropropene
 Concen: 52.715 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.1	39.1

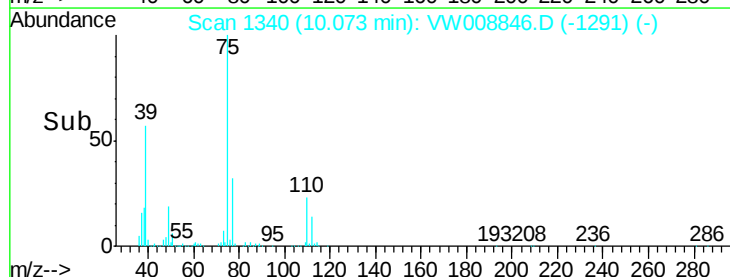
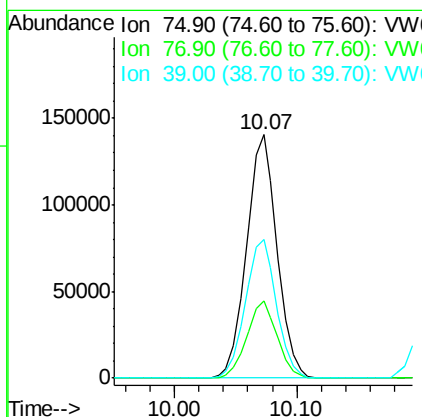
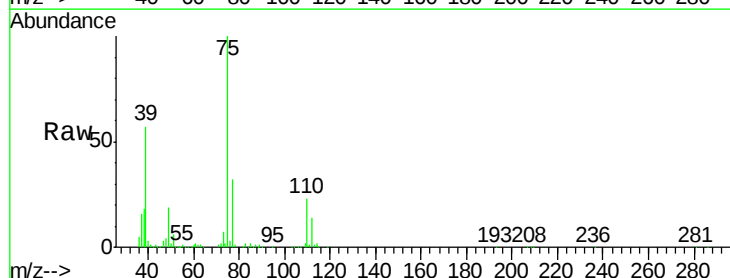
Manual Integrations
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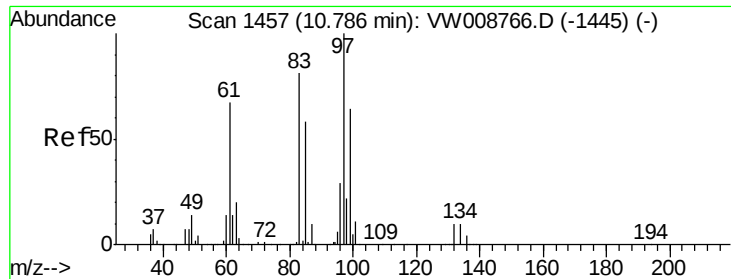
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 3/1/2019 12:09:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.418 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	57.0	46.6	70.0





#55

1,1,2-Trichloroethane

Concen: 50.521 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

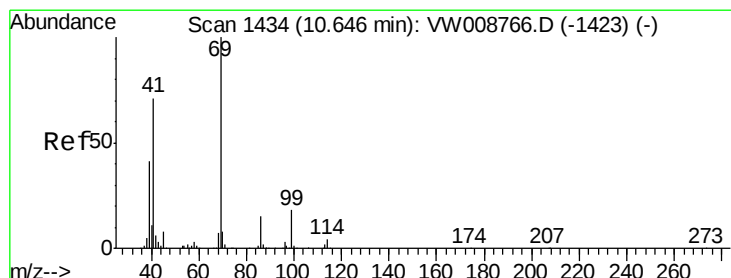
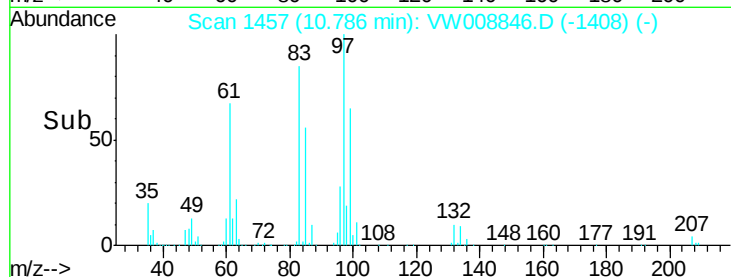
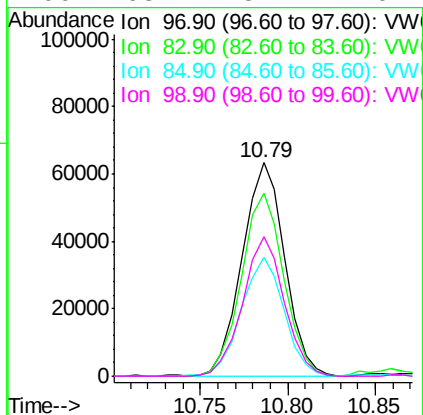
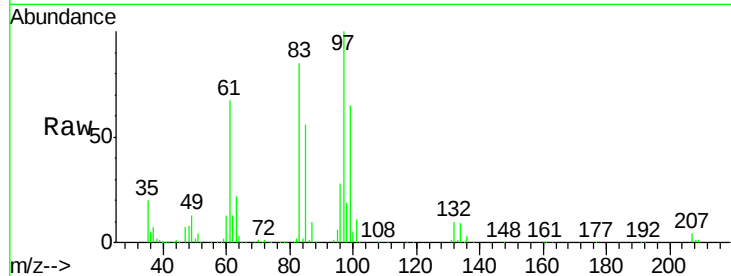
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108233		
83	85.4	65.0	97.6		
85	55.5	46.0	69.0		
99	65.4	51.1	76.7		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.456 ug/l

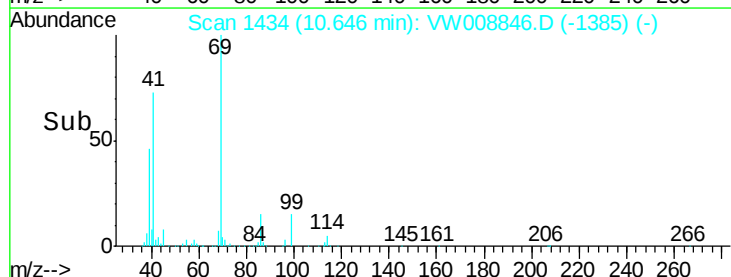
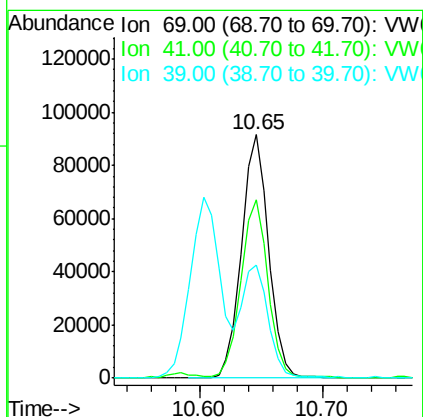
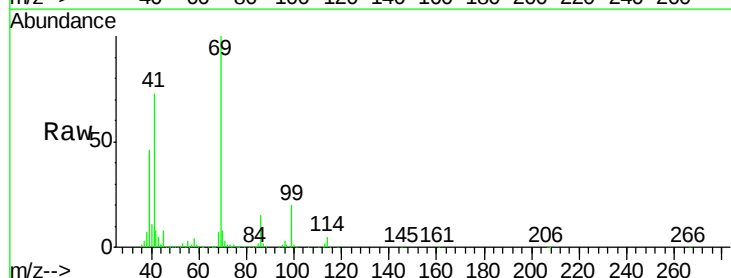
RT: 10.65 min Scan# 1434

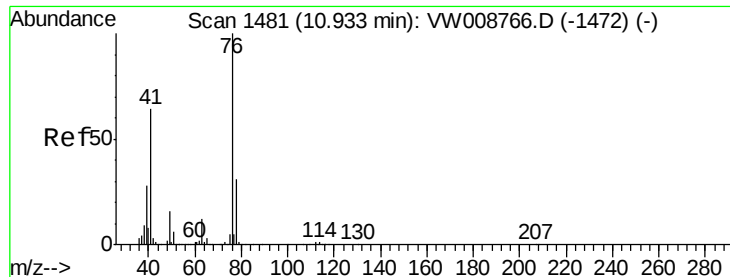
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		140436		
41	73.5	57.4	86.0		
39	44.3	34.8	52.2		





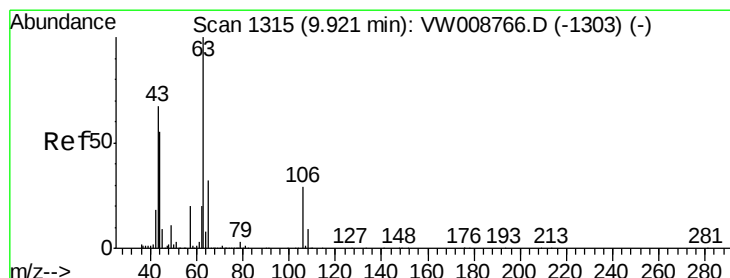
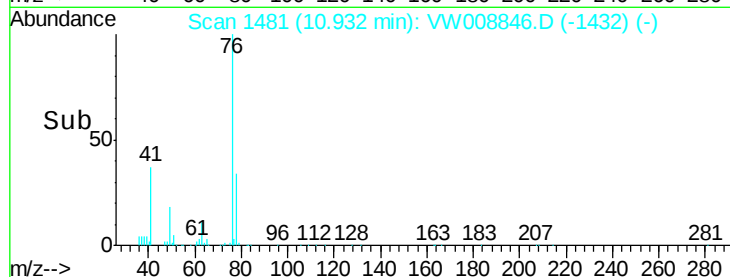
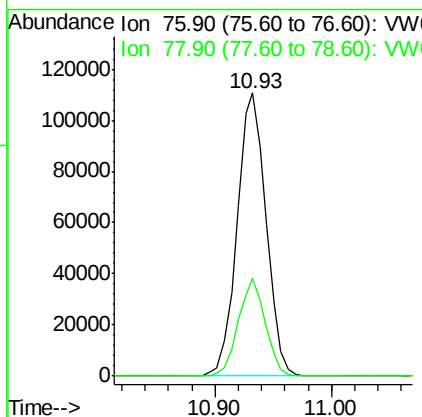
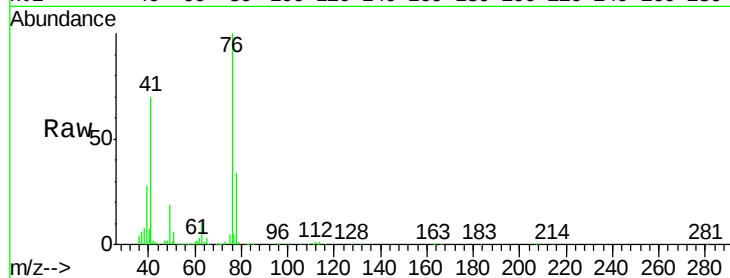
#57
 1,3-Dichloropropane
 Concen: 50.491 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

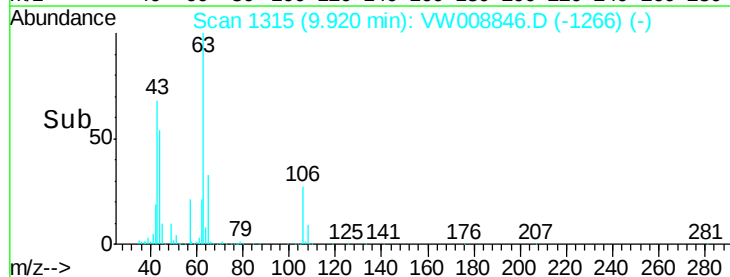
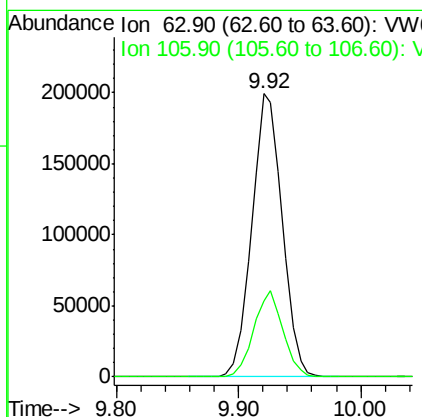
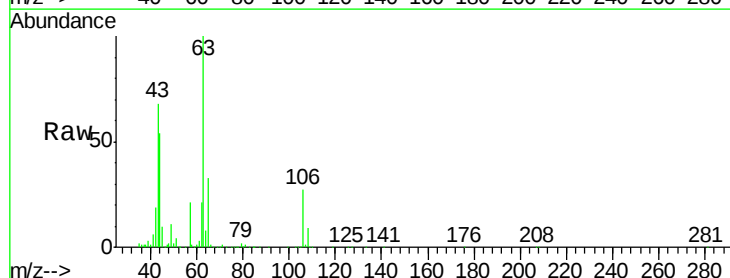
Manual Integrations
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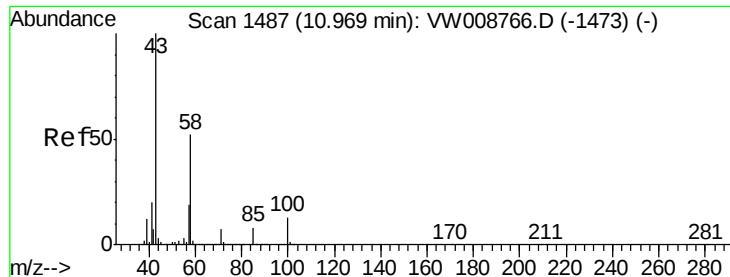
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.059 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	24.0	36.0





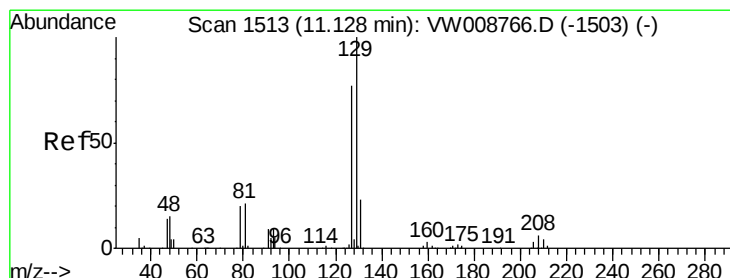
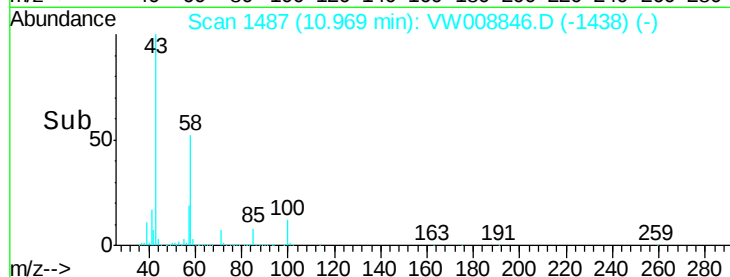
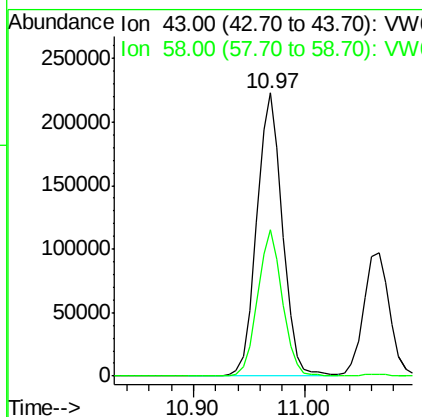
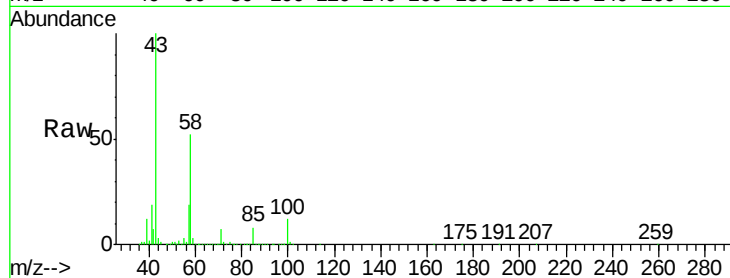
#59
2-Hexanone
Concen: 253.702 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 358188
Ion Ratio Lower Upper
43 100
58 50.0 25.3 75.8

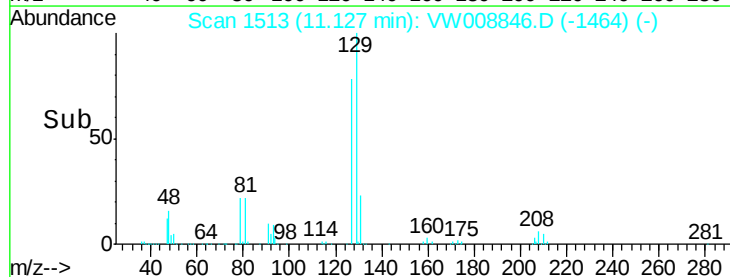
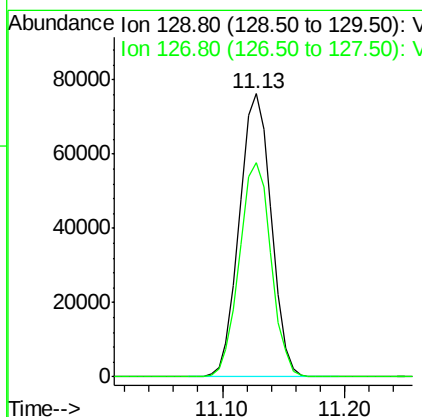
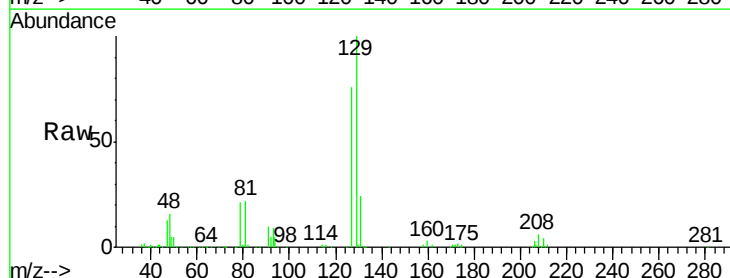
Manual Integrations
APPROVED

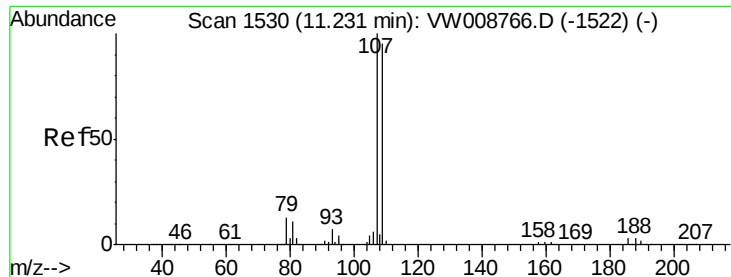
MMDadoda
3/1/2019 12:09:40 AM



#60
Dibromochloromethane
Concen: 52.902 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 129 Resp: 138237
Ion Ratio Lower Upper
129 100
127 75.2 39.0 116.9





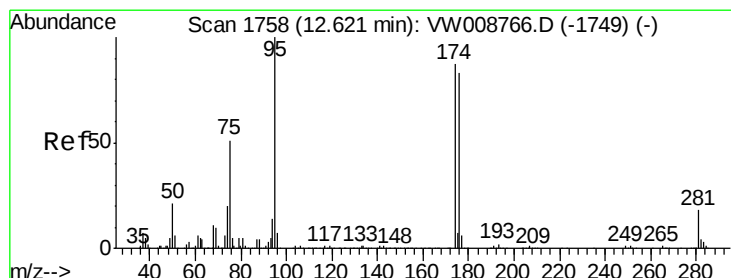
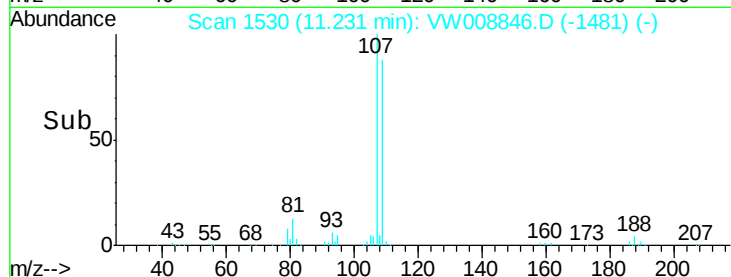
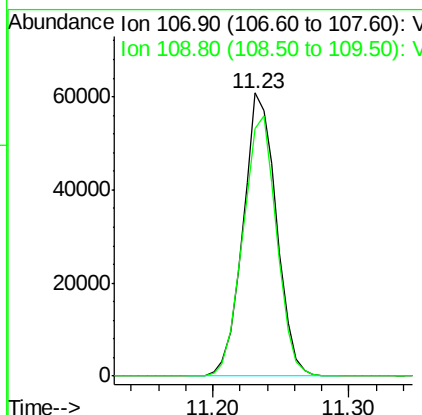
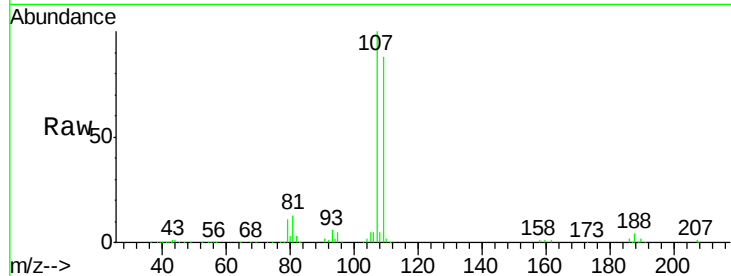
#61
 1,2-Dibromoethane
 Concen: 49.146 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104217		
109	93.0	75.6	113.4	

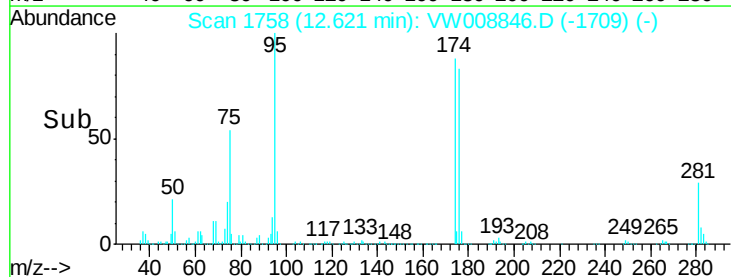
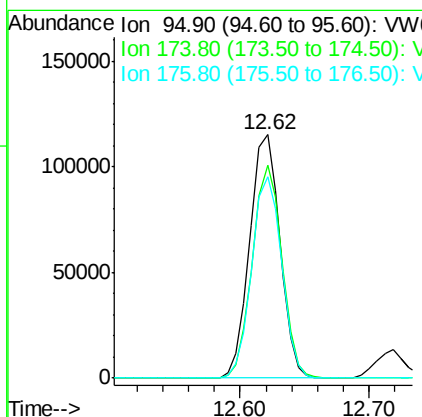
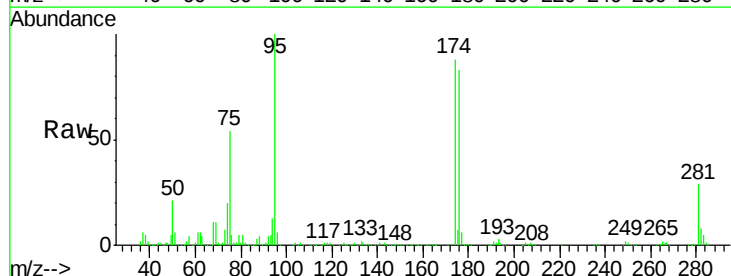
Manual Integrations
 APPROVED

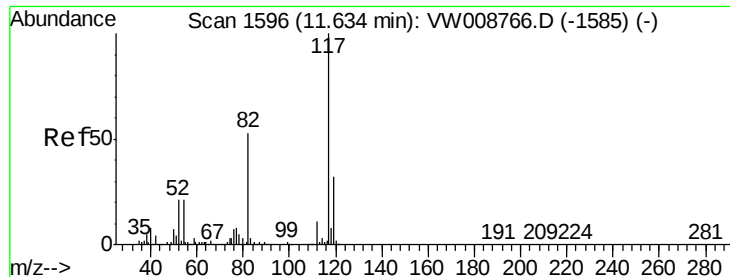
MMDadoda
 3/1/2019 12:09:40 AM



#62
 4-Bromofluorobenzene
 Concen: 47.444 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	186177		
174	85.5	0.0	169.2	
176	82.2	0.0	163.6	





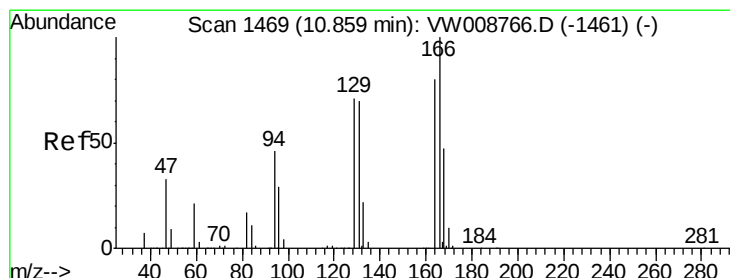
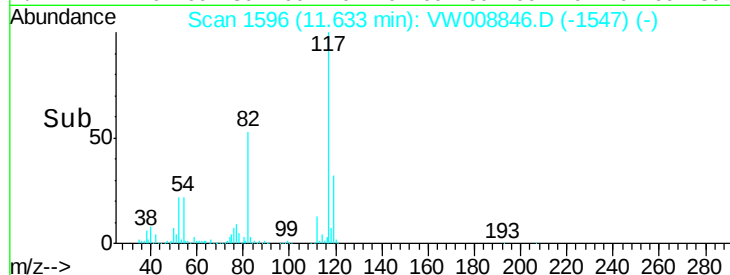
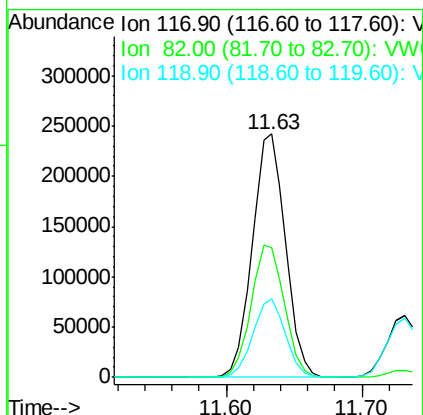
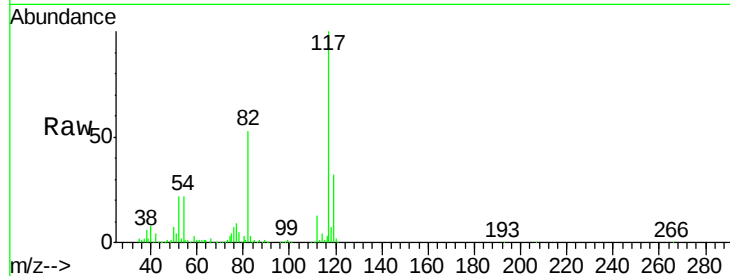
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.1	25.9	38.9

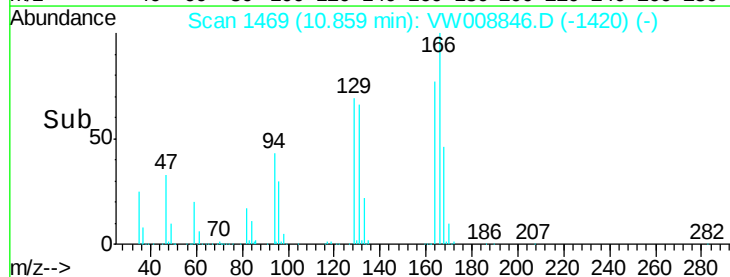
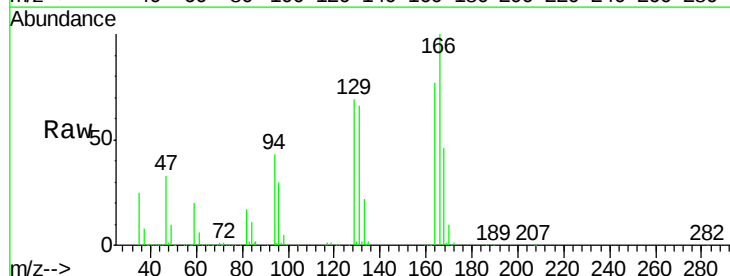
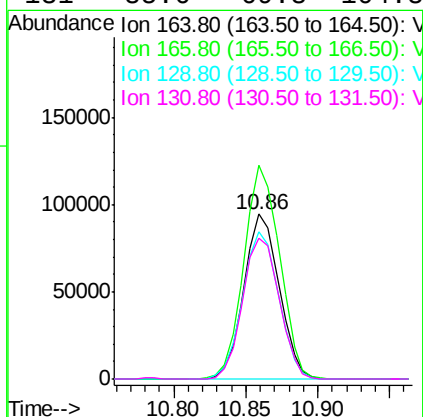
Manual Integrations
APPROVED

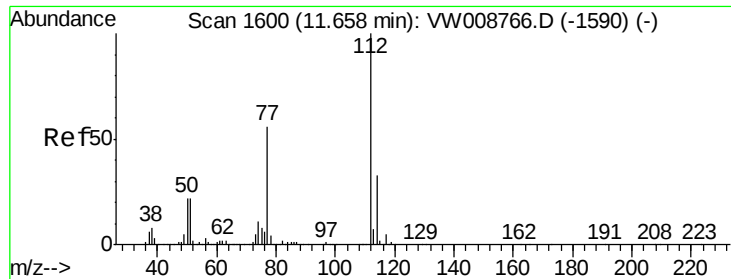
MMDadoda
3/1/2019 12:09:40 AM



#64
Tetrachloroethene
Concen: 54.600 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.5	149.3
129	89.4	71.1	106.7
131	85.6	69.8	104.8





#65

Chlorobenzene

Concen: 55.067 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 477512

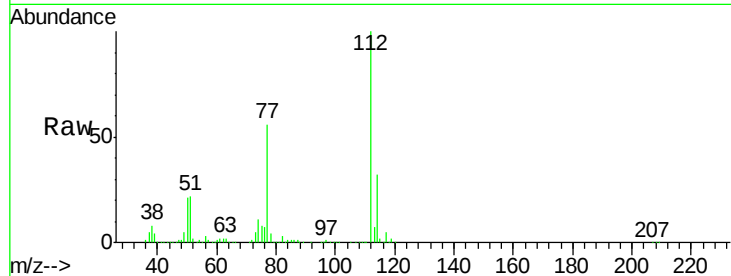
Ion Ratio Lower Upper

112 100

114 32.0 26.6 40.0

Manual Integrations
APPROVED

MMDadoda
3/1/2019 12:09:40 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

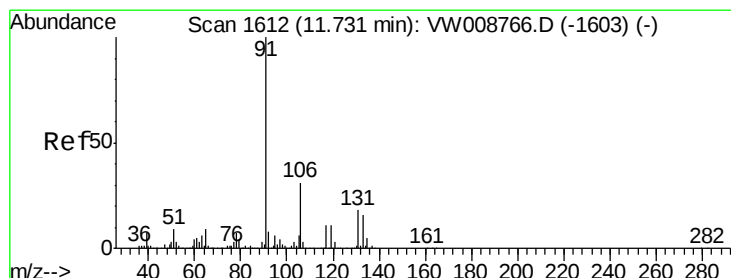
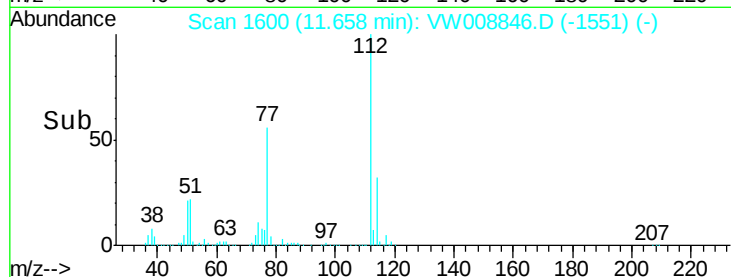
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.293 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

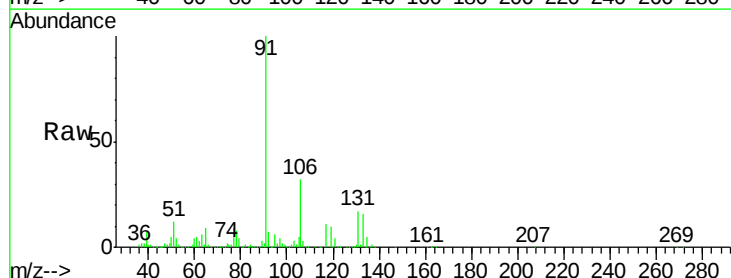
Tgt Ion:131 Resp: 156259

Ion Ratio Lower Upper

131 100

133 93.4 46.7 140.0

119 62.2 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

11.73

120000

100000

80000

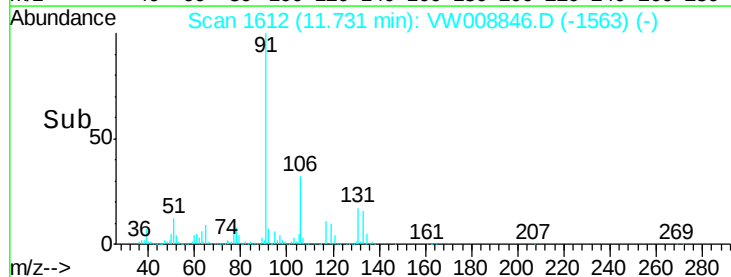
60000

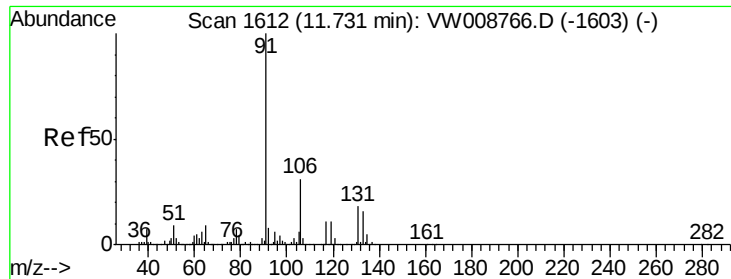
40000

20000

0

Time-->





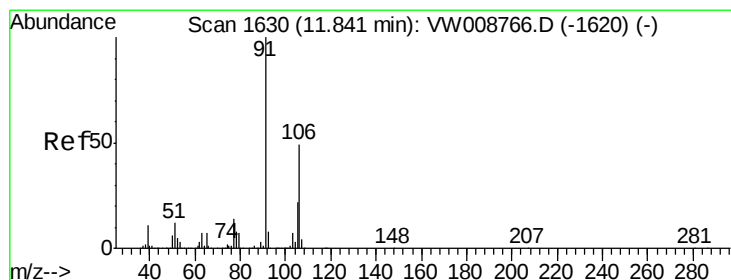
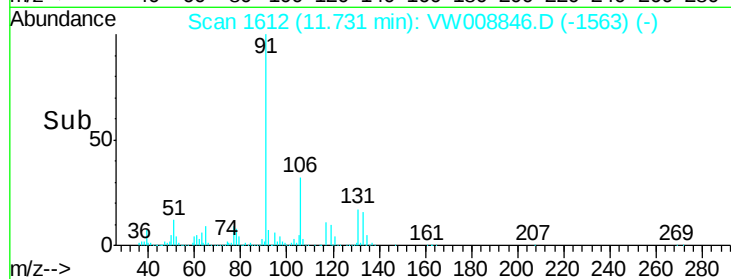
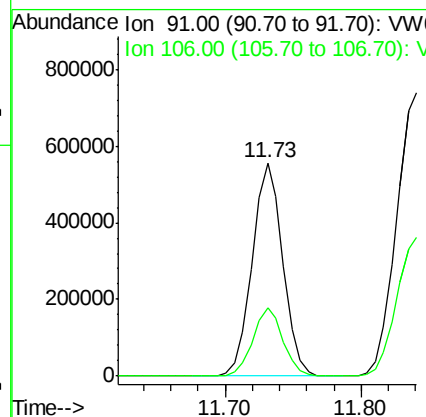
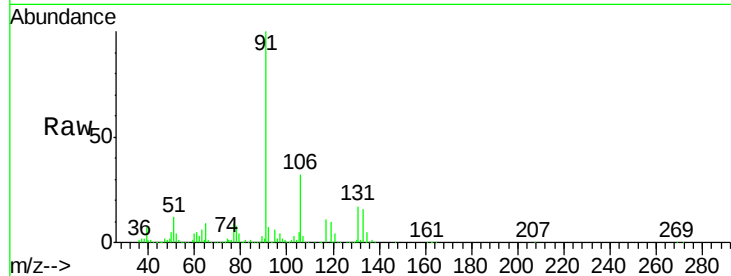
#67
Ethyl Benzene
Concen: 56.241 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 871837
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

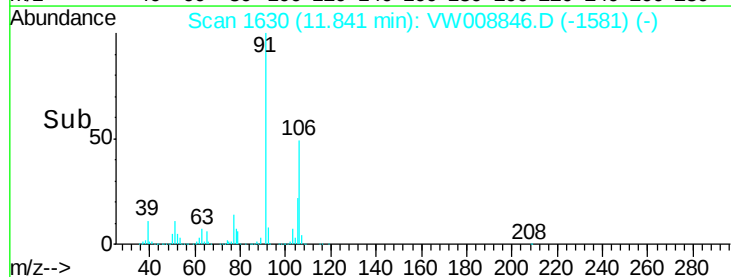
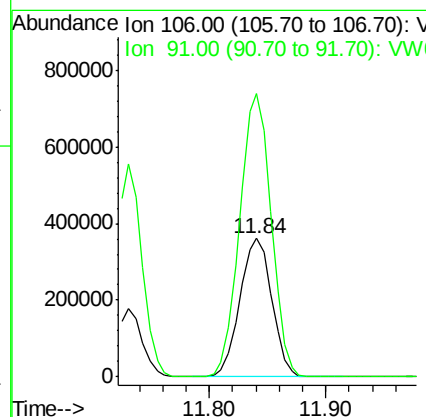
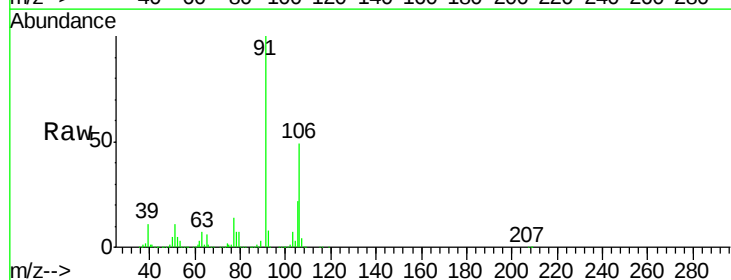
Manual Integrations
APPROVED

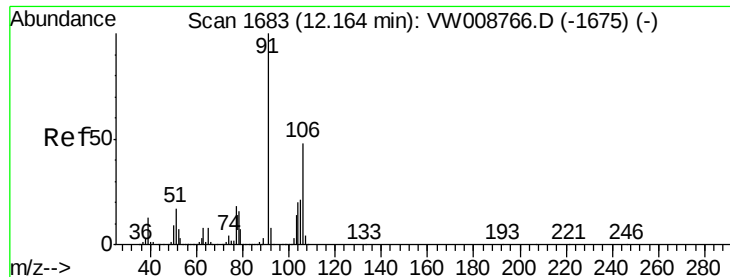
MMDadoda
3/1/2019 12:09:40 AM



#68
m/p-Xylenes
Concen: 111.406 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 106 Resp: 690022
Ion Ratio Lower Upper
106 100
91 201.7 161.5 242.3





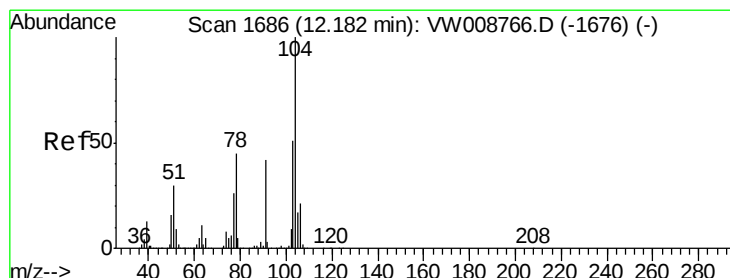
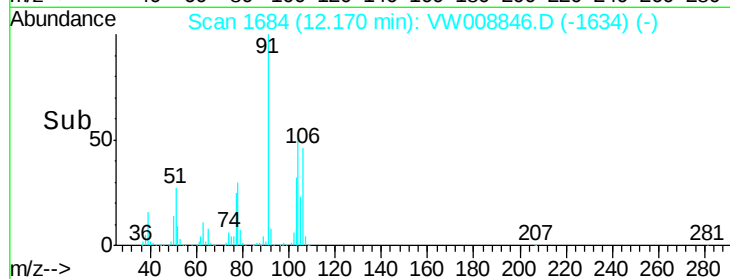
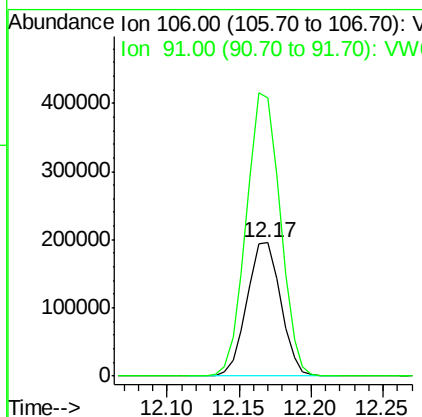
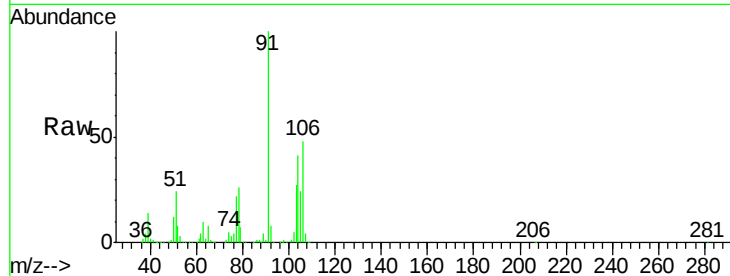
#69
o-Xylene
Concen: 54.543 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	106.2	318.6

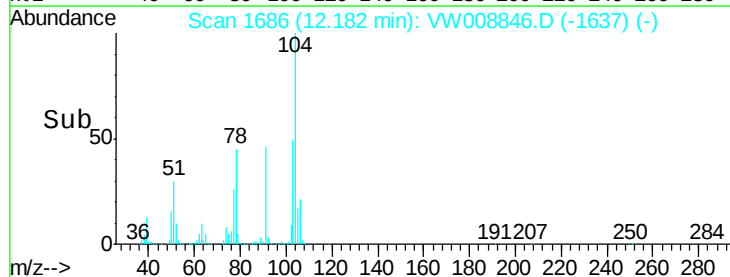
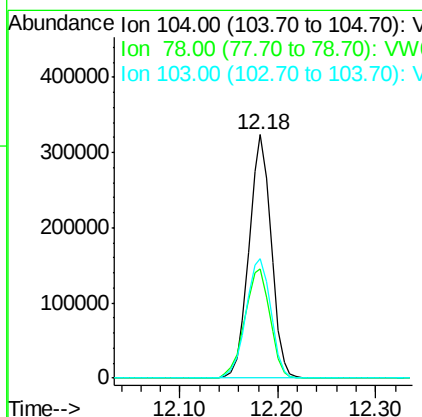
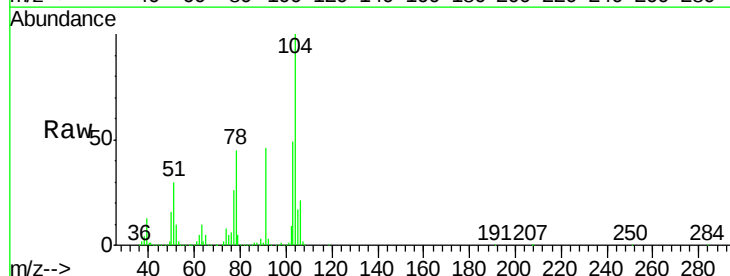
Manual Integrations
APPROVED

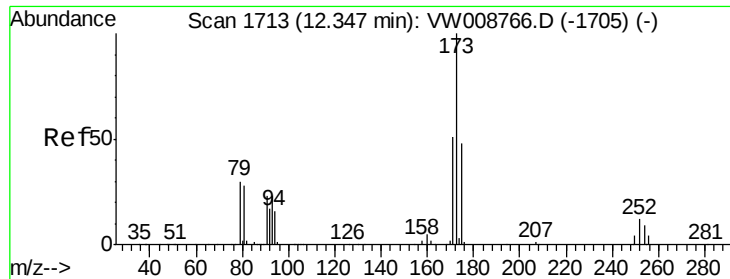
MMDadoda
3/1/2019 12:09:40 AM



#70
Styrene
Concen: 54.556 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.8	61.2
103	55.0	44.2	66.2





#71

Bromoform

Concen: 48.462 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

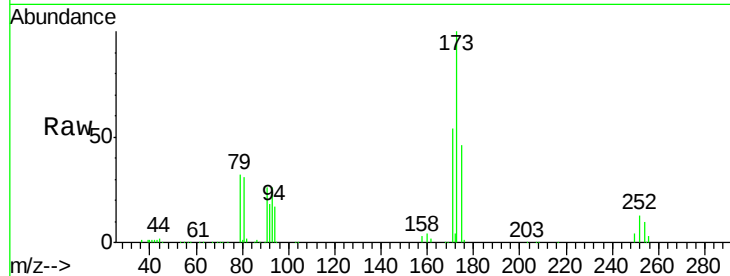
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.1	0.2	0.4

Manual Integrations
APPROVED

MMDadoda
3/1/2019 12:09:40 AM

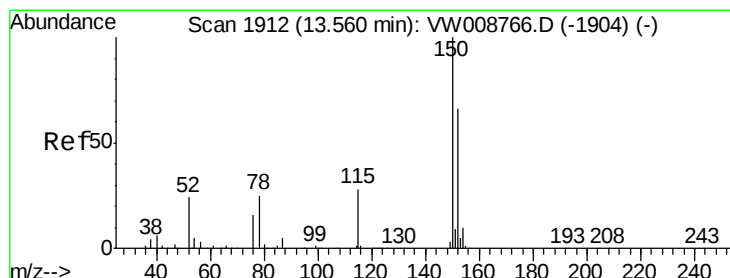
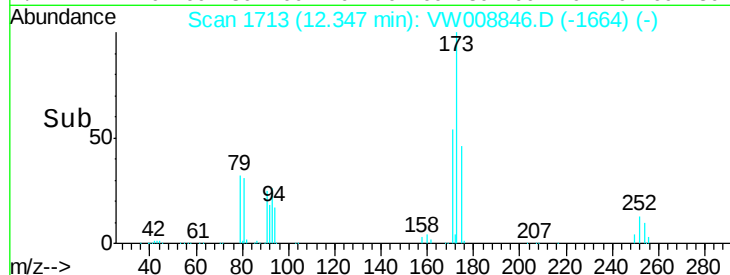
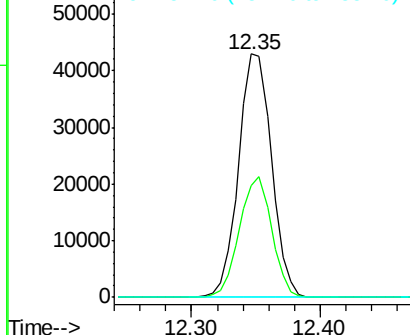


Abundance

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

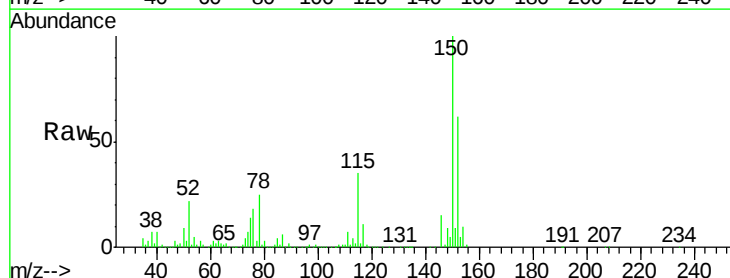
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.6	85.8
150	176.1	0.0	348.0

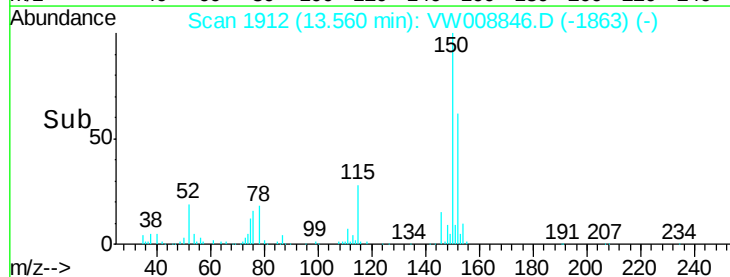
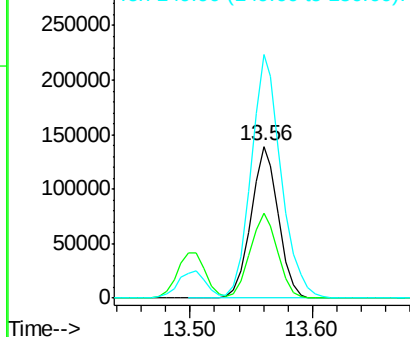


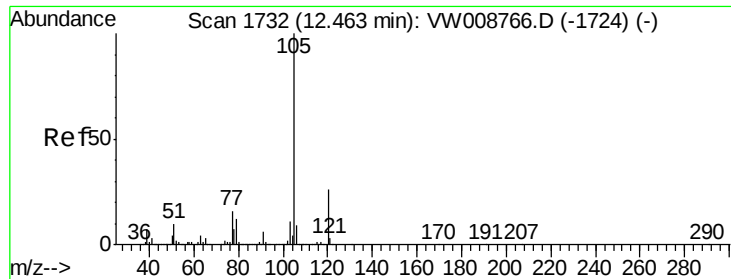
Abundance

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





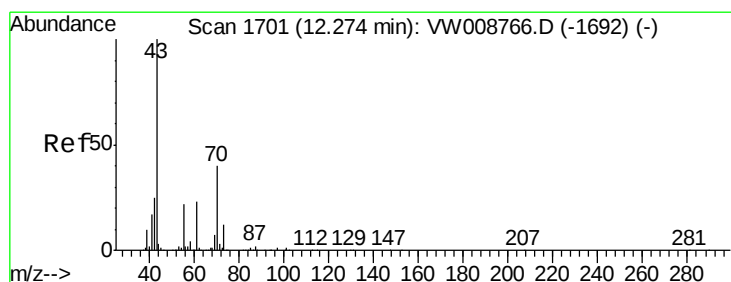
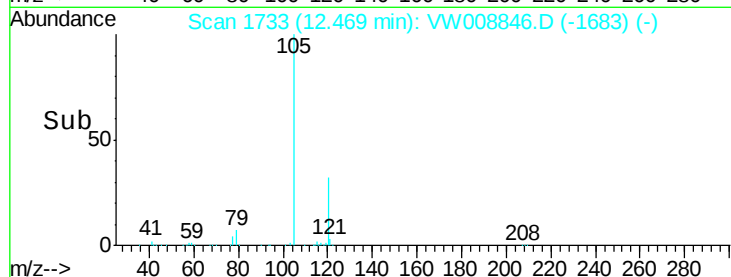
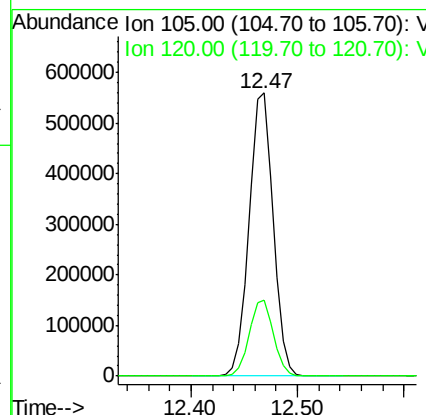
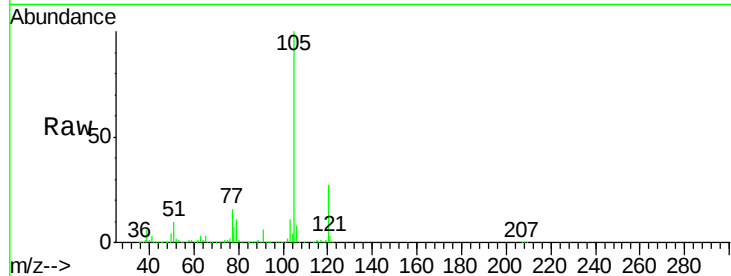
#73
Isopropylbenzene
Concen: 60.282 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

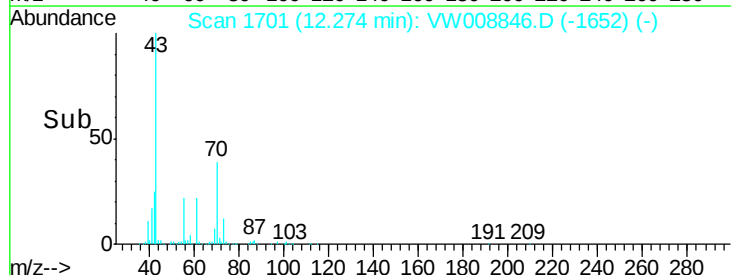
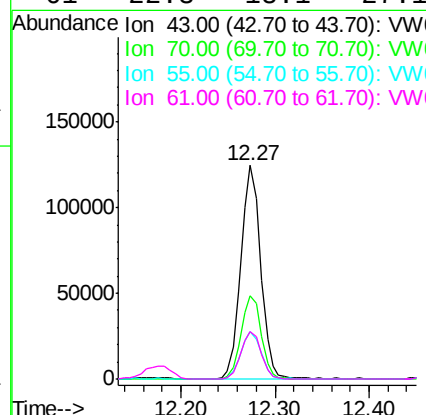
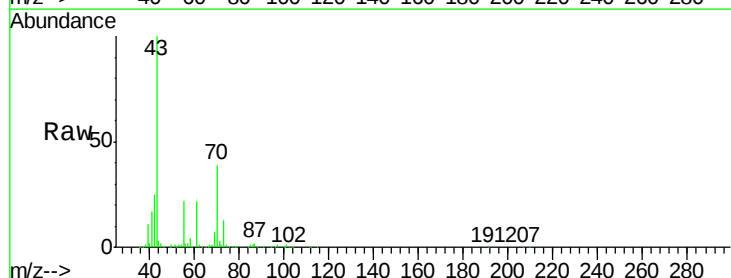
Manual Integrations
APPROVED

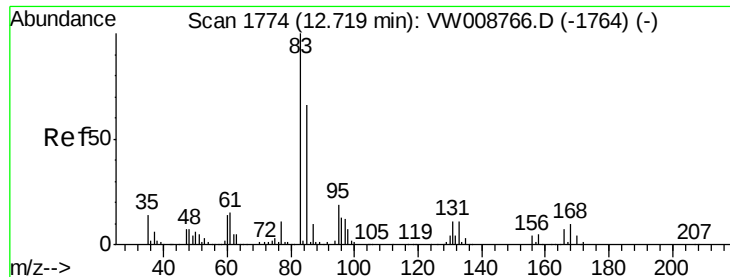
MMDadoda
3/1/2019 12:09:40 AM



#74
N-ethyl acetate
Concen: 49.318 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.4	31.0	46.6
55	23.0	18.7	28.1
61	22.3	18.1	27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.340 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

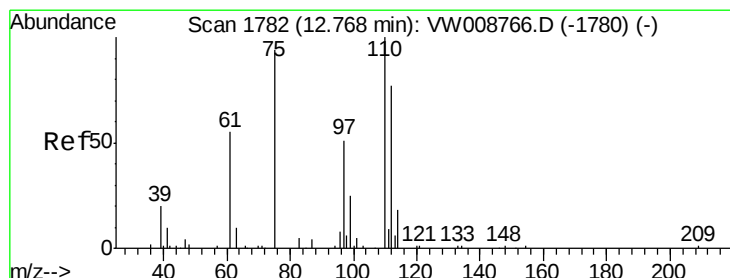
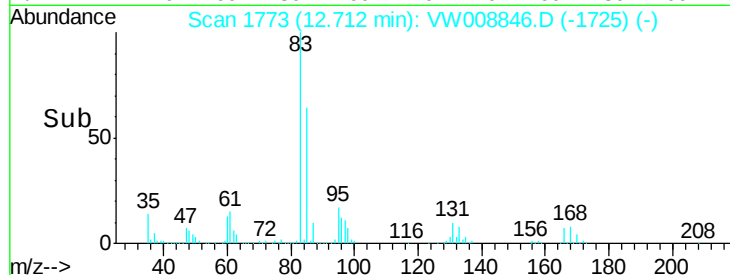
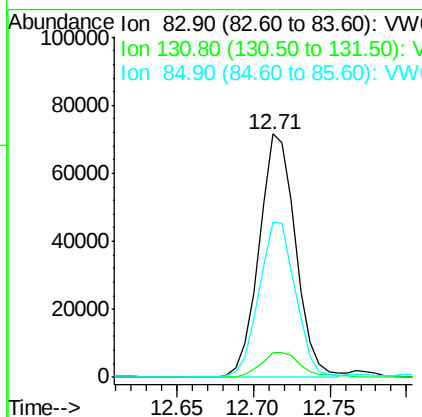
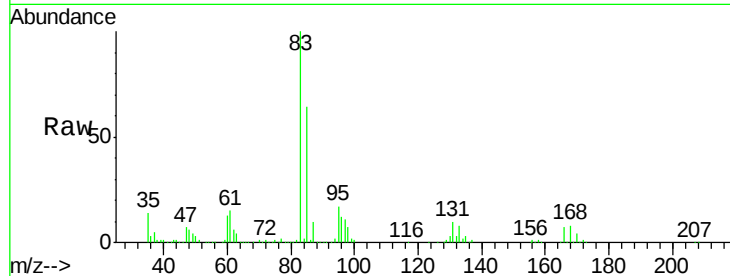
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	118923
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	63.7	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 38.838 ug/l m

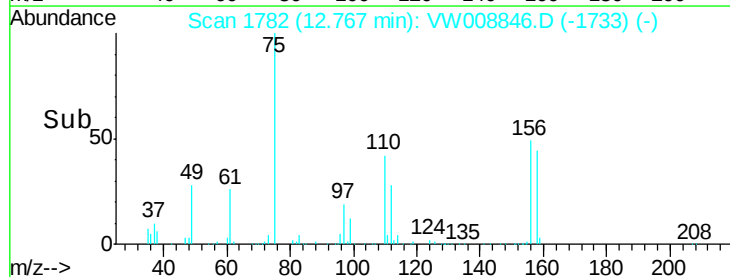
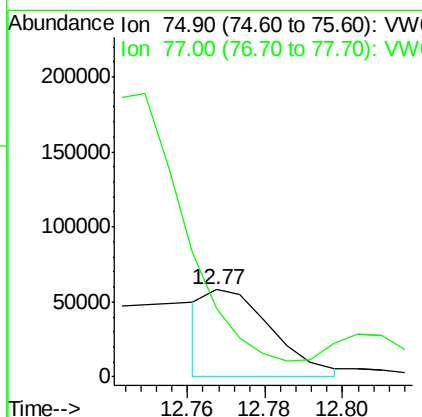
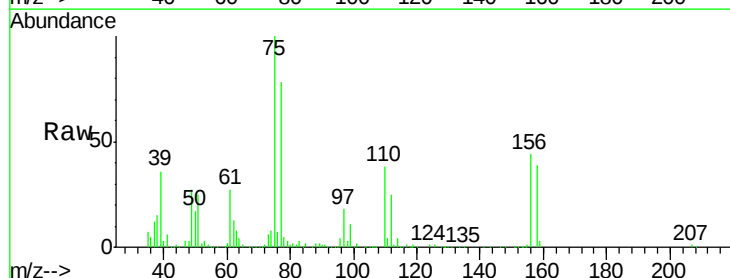
RT: 12.77 min Scan# 1782

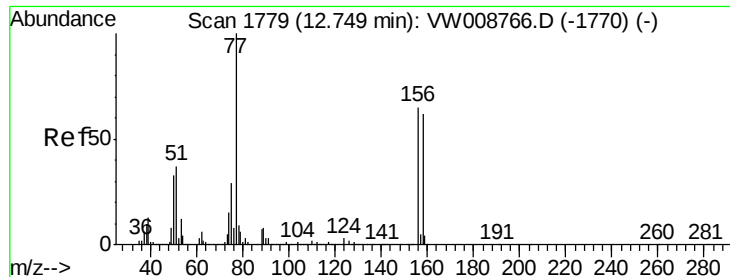
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	75	Resp:	68998
Ion Ratio	Lower	Upper	
75	100		
77	496.6	0.0	0.0#





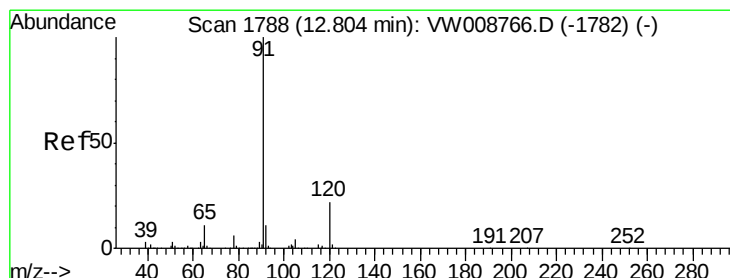
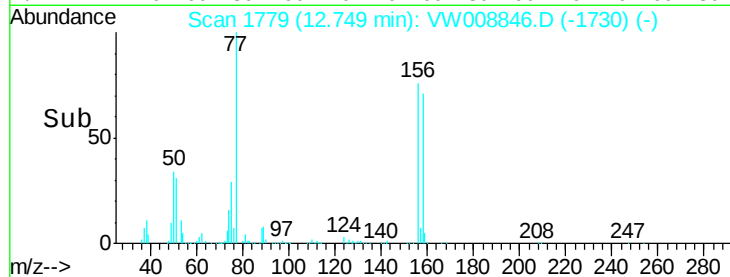
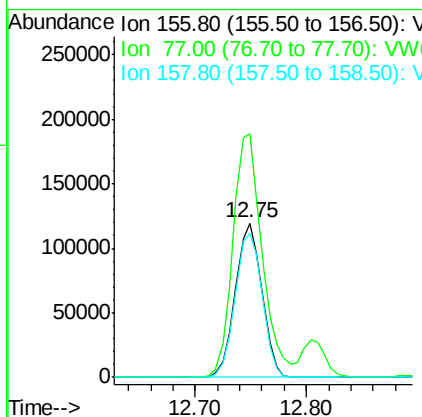
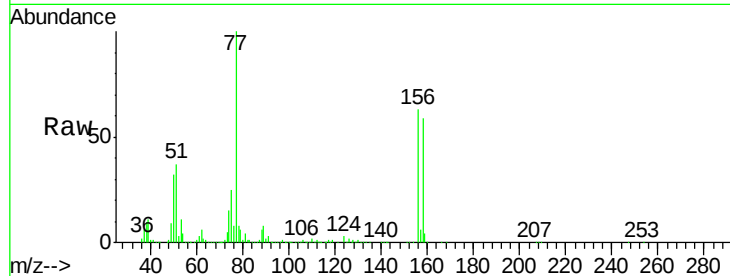
#77
Bromobenzene
Concen: 56.471 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.1	89.1	267.4
158	95.4	49.2	147.6

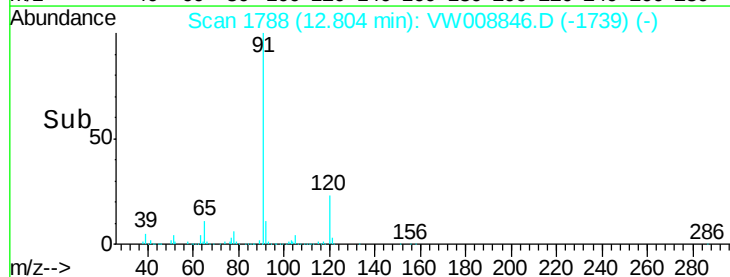
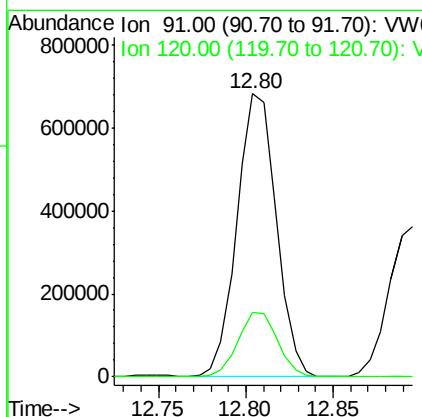
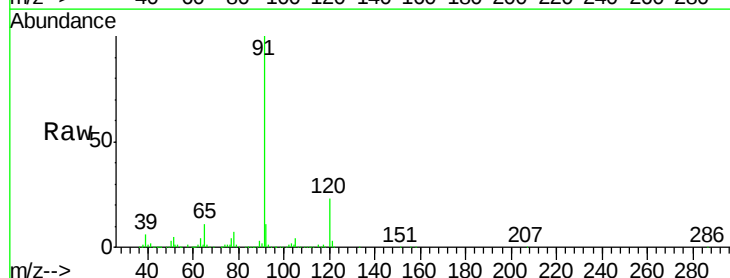
Manual Integrations
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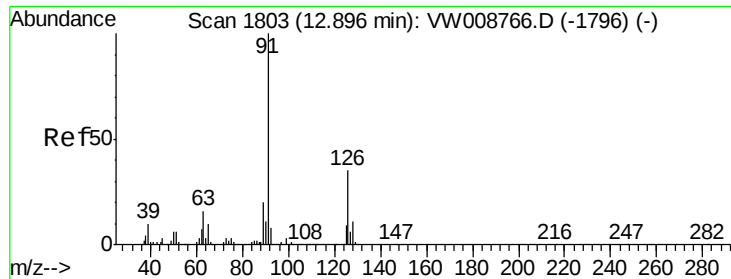
MMDadoda
3/1/2019 12:09:40 AM



#78
n-propylbenzene
Concen: 59.074 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 57.442 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 588466

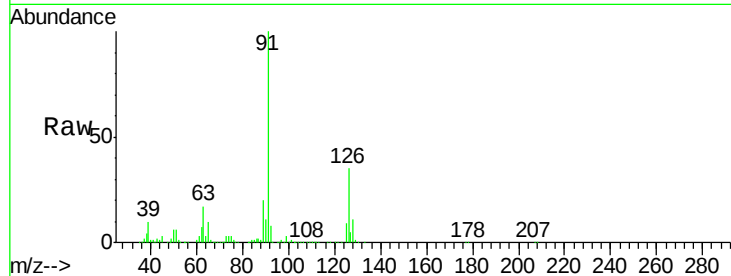
Ion Ratio Lower Upper

91 100

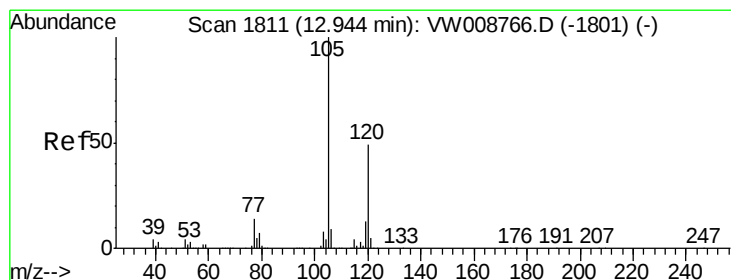
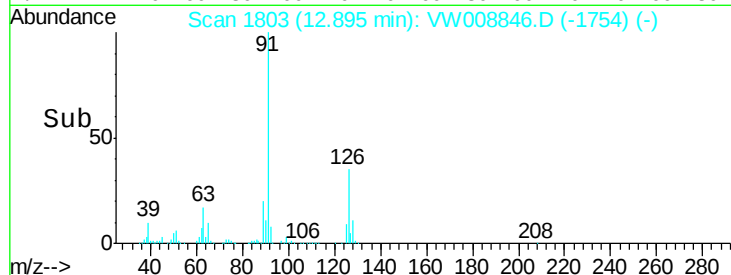
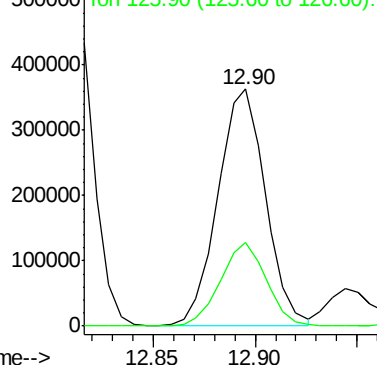
126 34.1 17.0 51.0

Manual Integrations
APPROVED

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3/1/2019 12:09:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.160 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008846.D

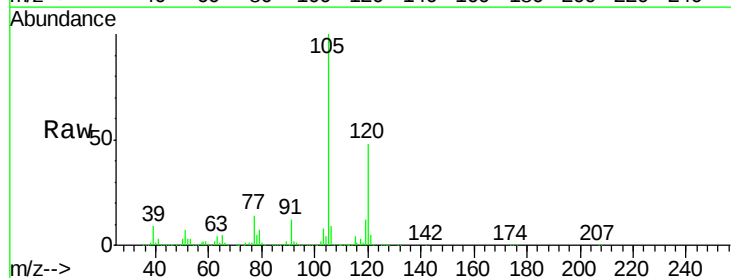
Acq: 27 Feb 2019 11:02

Tgt Ion: 105 Resp: 745545

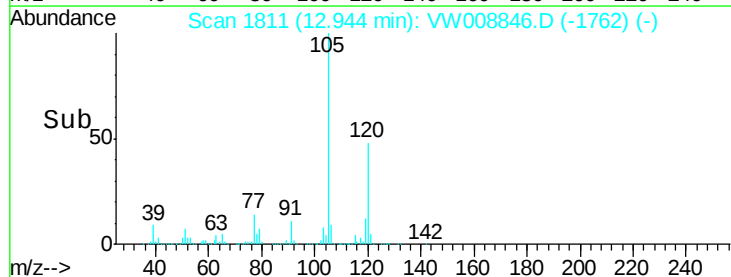
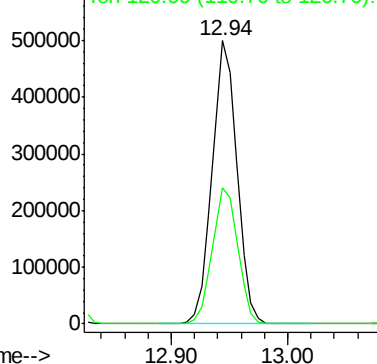
Ion Ratio Lower Upper

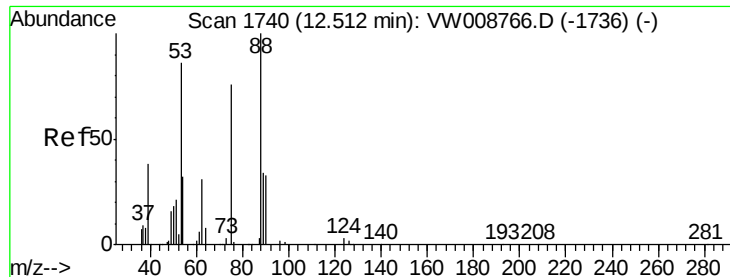
105 100

120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.933 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

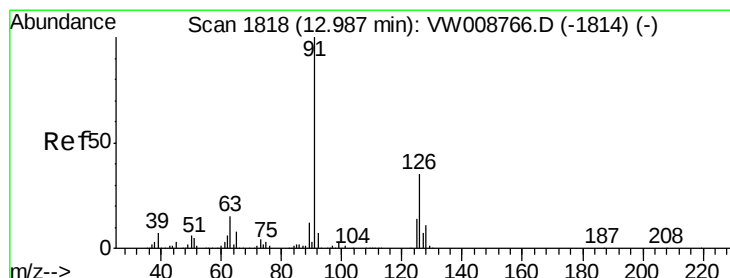
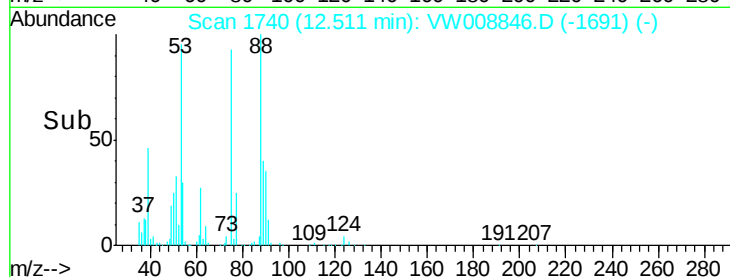
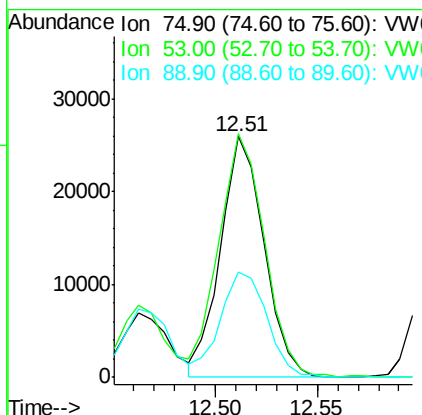
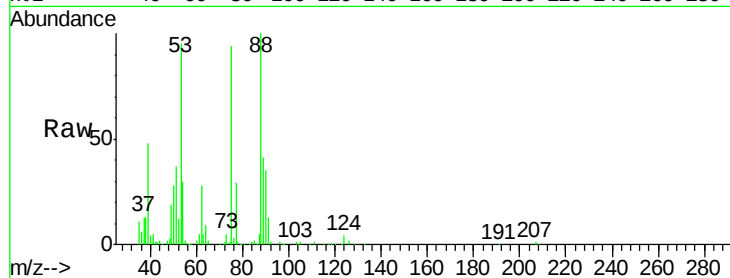
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	37951
Ion	Ratio	Lower	Upper
75	100		
53	107.6	88.2	132.2
89	47.6	39.5	59.3

Manual Integrations
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3/1/2019 12:09:40 AM



#82

4-Chlorotoluene

Concen: 56.660 ug/l

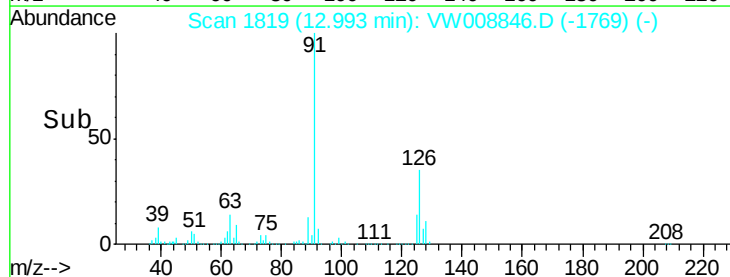
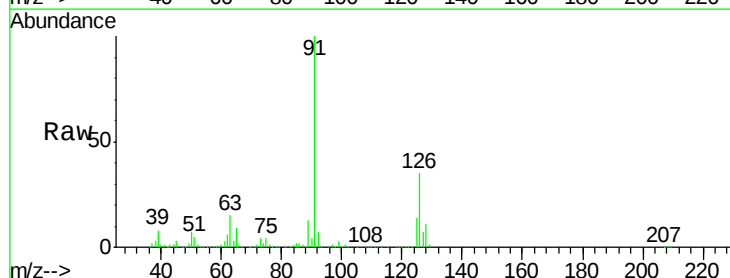
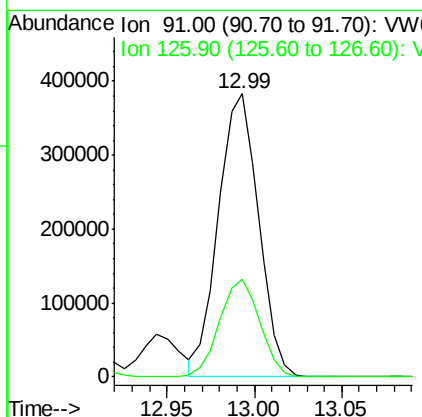
RT: 12.99 min Scan# 1819

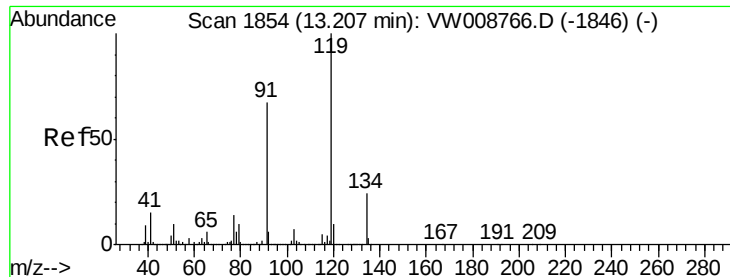
Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	91	Resp:	611684
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





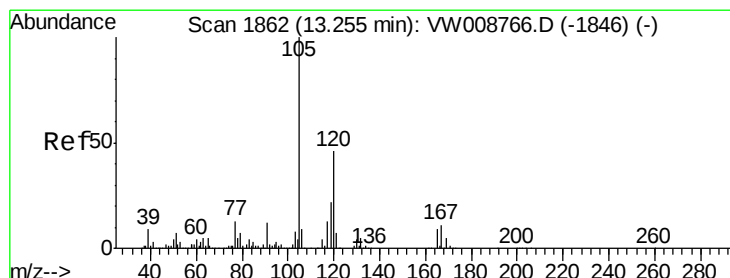
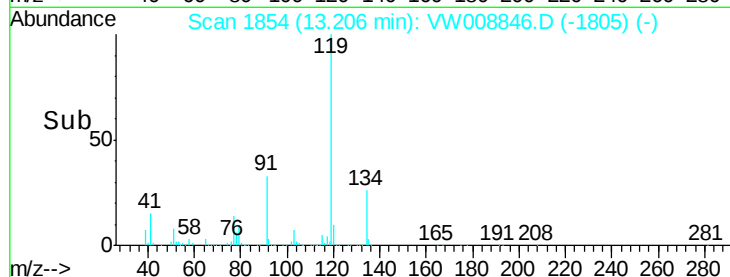
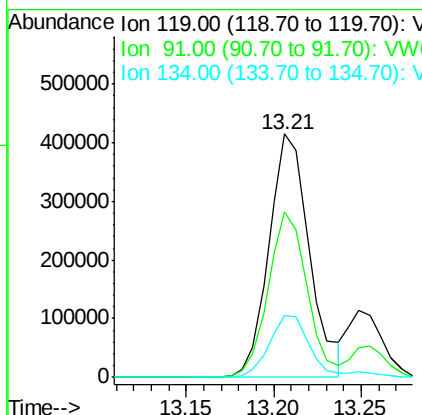
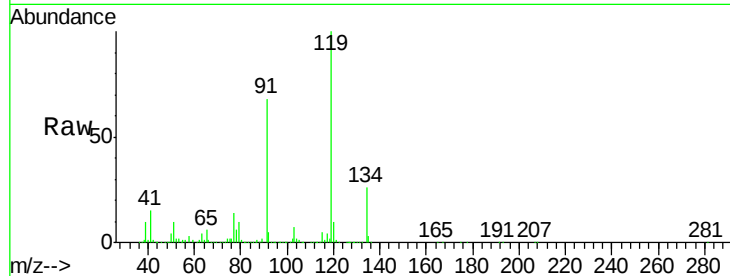
#83
 tert-Butylbenzene
 Concen: 60.308 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.6	100.8
134	26.8	13.7	41.1

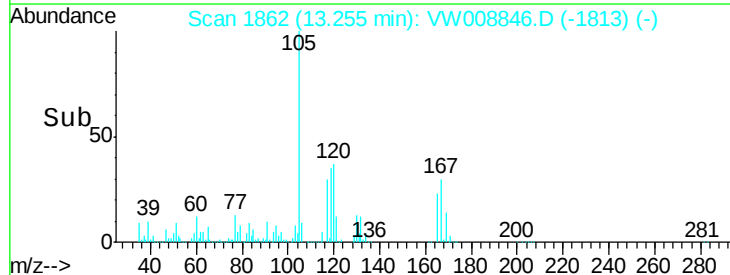
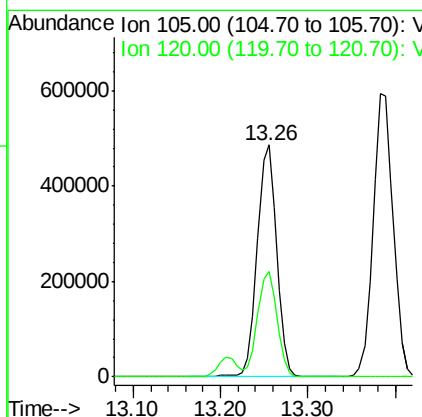
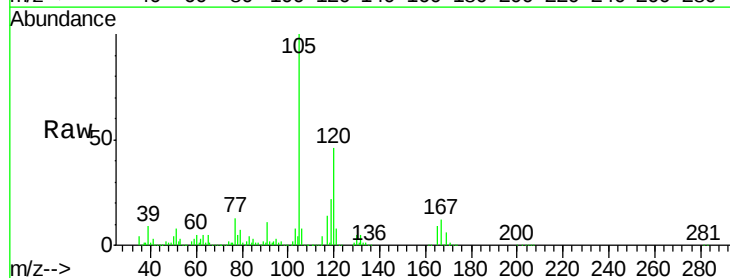
Manual Integrations
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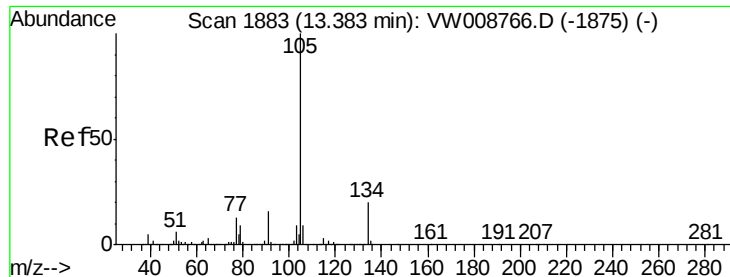
MMDadoda
 3/1/2019 12:09:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.549 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.4





#85

sec-Butylbenzene

Concen: 59.355 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 945988

Ion Ratio Lower Upper

105 100

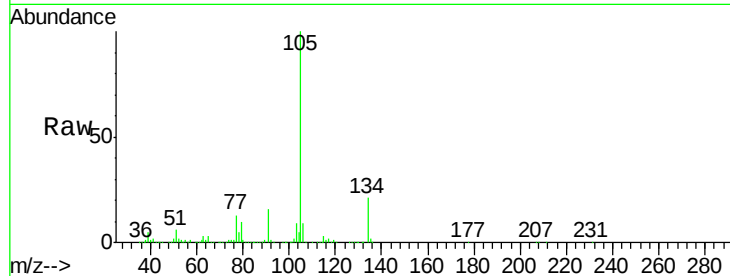
134 20.8 10.4 31.1

Manual Integrations

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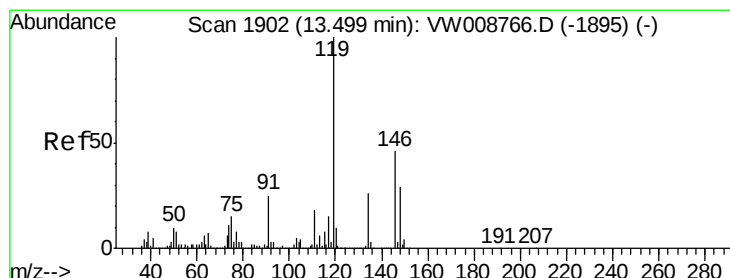
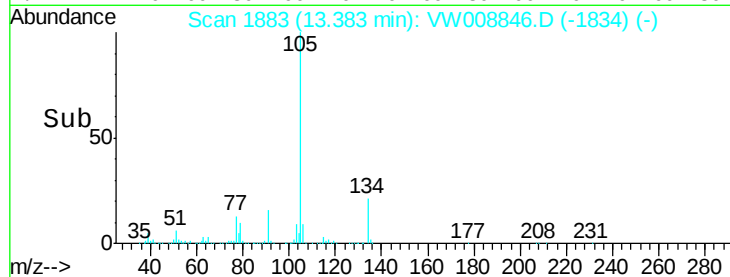
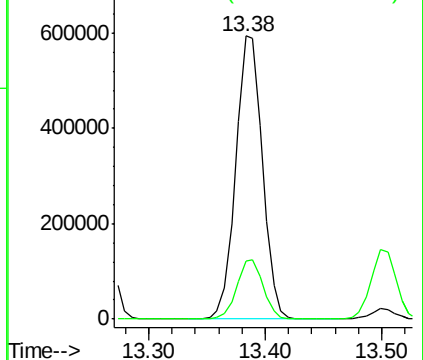
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.650 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

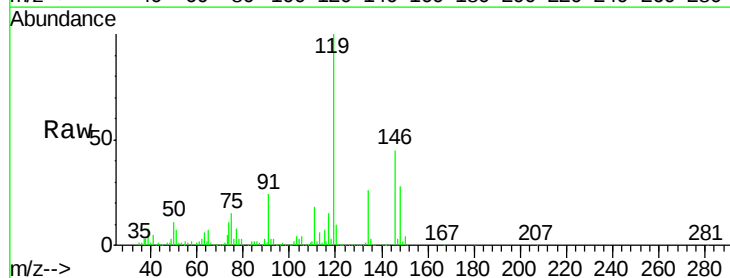
Tgt Ion:119 Resp: 842311

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

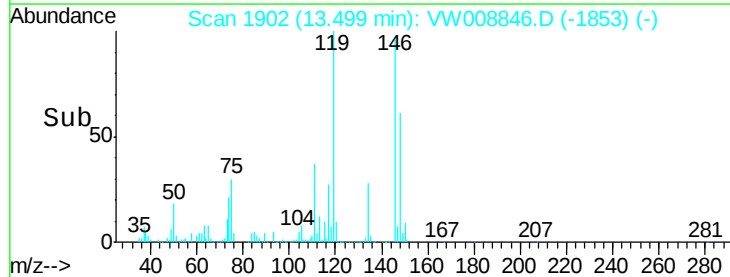
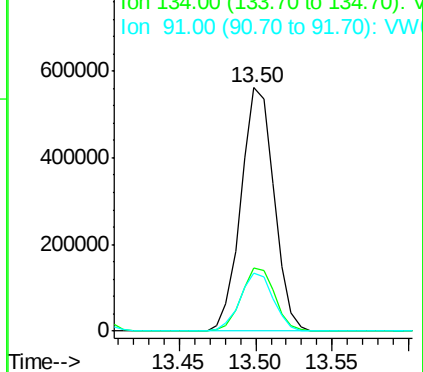
91 24.0 12.1 36.3

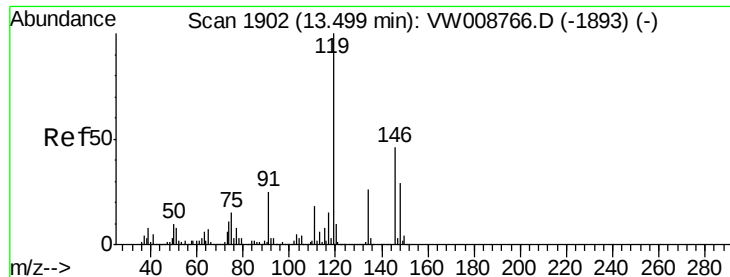


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.506 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

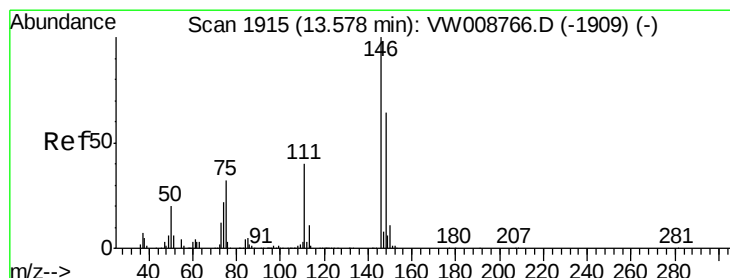
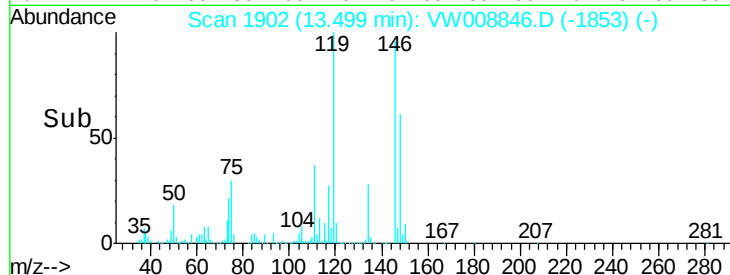
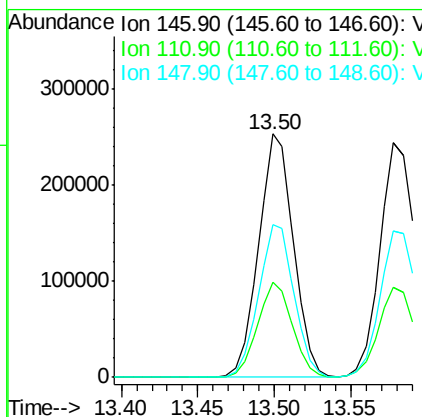
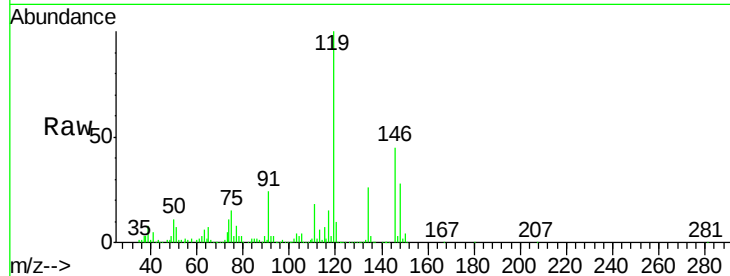
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	64.0	31.6	94.8

Manual Integrations
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3/1/2019 12:09:40 AM



#88

1,4-Dichlorobenzene

Concen: 54.941 ug/l

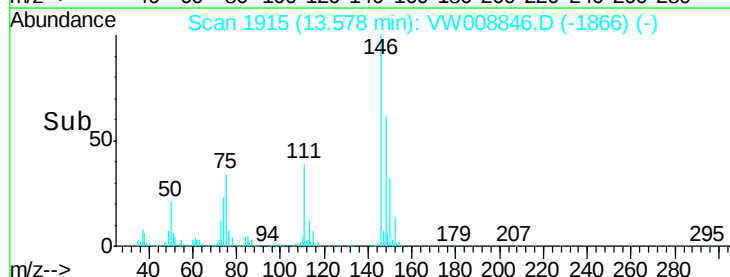
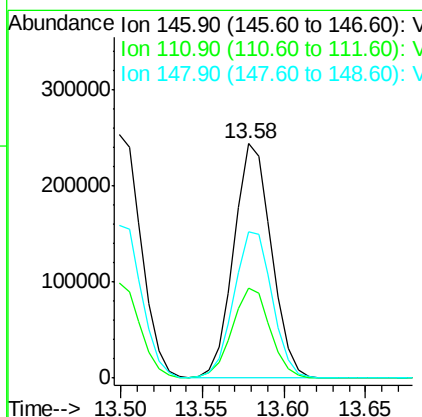
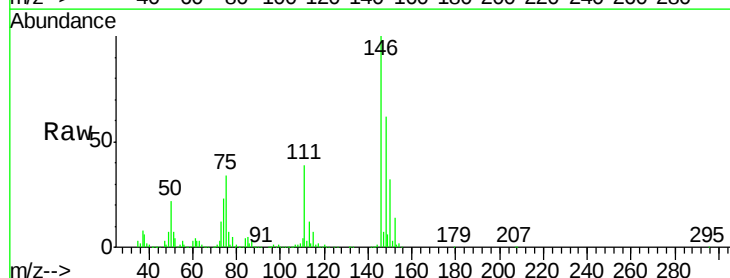
RT: 13.58 min Scan# 1915

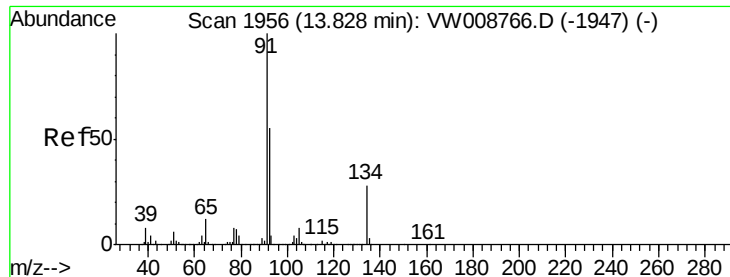
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.6	31.9	95.9





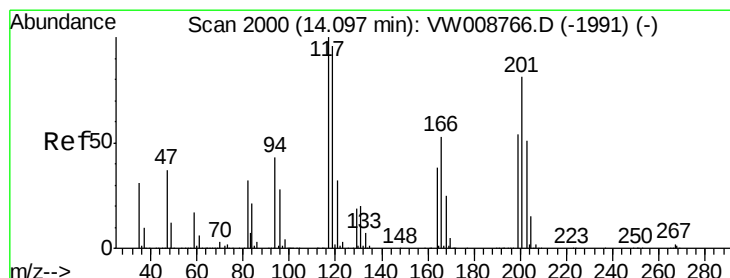
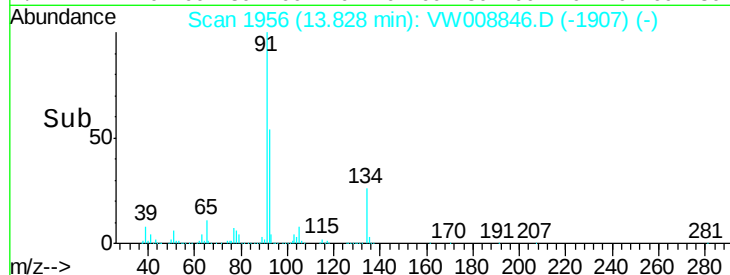
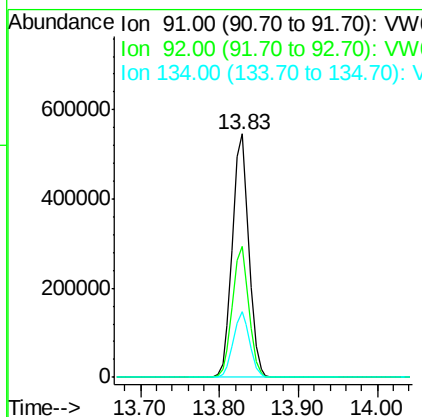
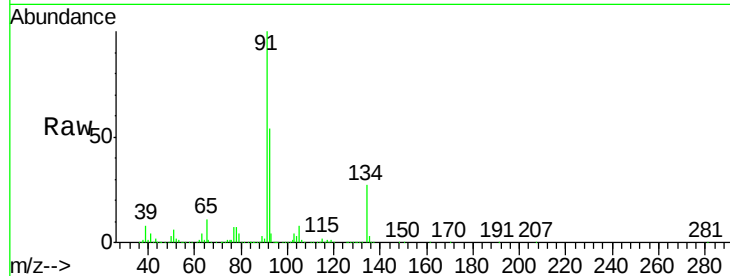
#89
n-Butylbenzene
Concen: 58.144 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	26.8	13.5	40.4

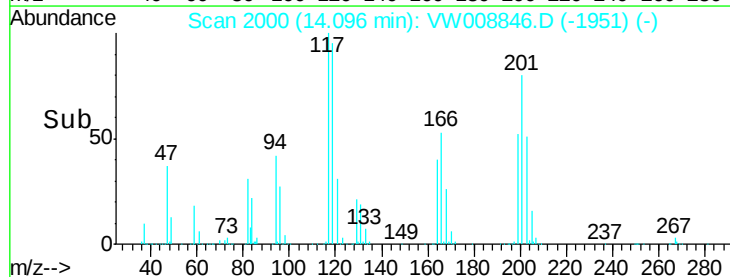
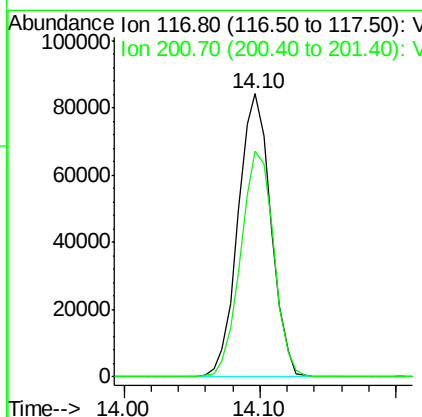
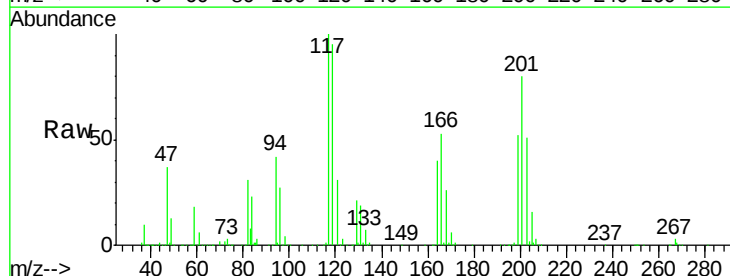
Manual Integrations
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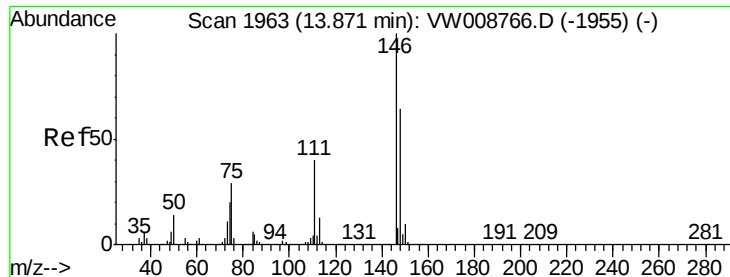
MMDadoda
3/1/2019 12:09:40 AM



#90
Hexachloroethane
Concen: 59.306 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	40.3	120.8





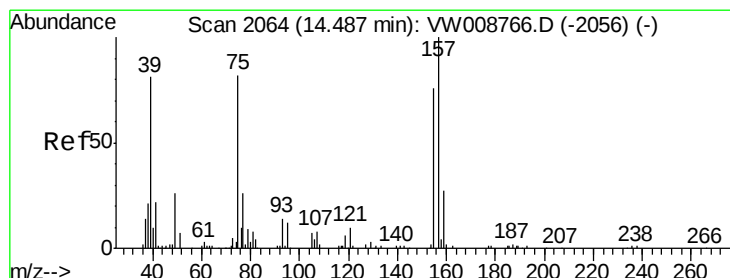
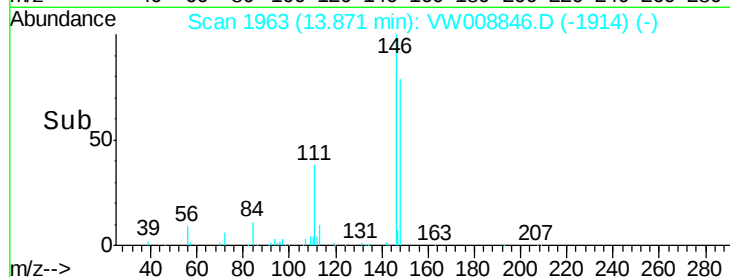
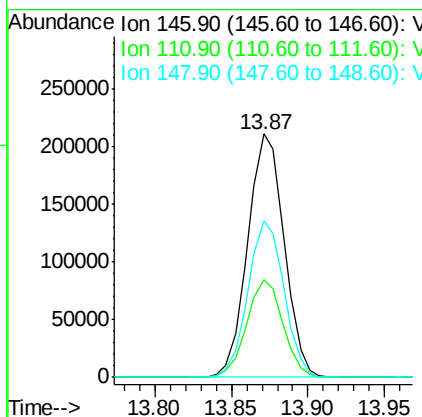
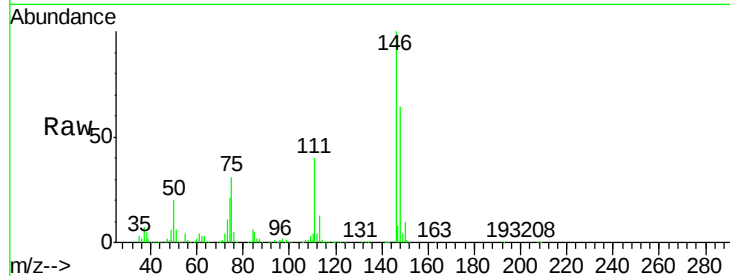
#91
 1,2-Dichlorobenzene
 Concen: 54.364 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	63.8	32.5	97.5

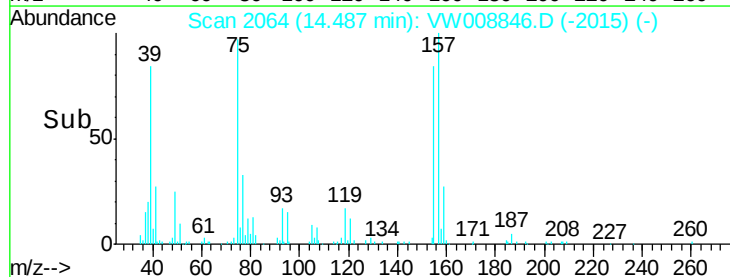
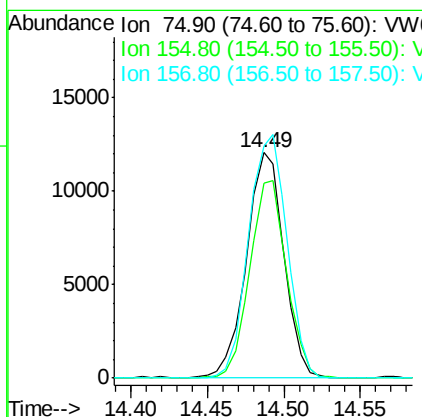
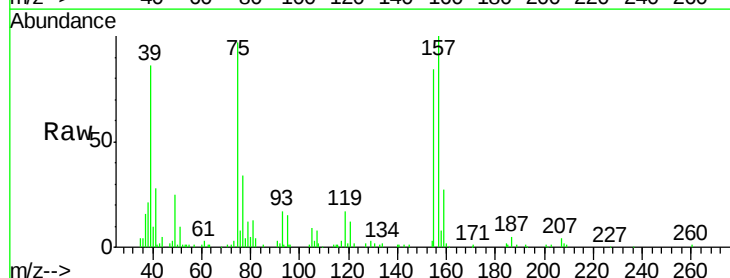
Manual Integrations
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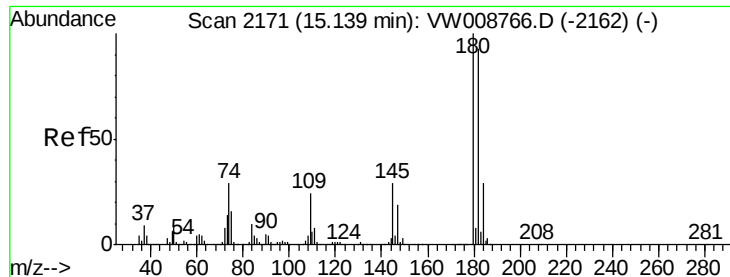
MMDadoda
 3/1/2019 12:09:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.250 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.8	125.4
157	110.5	56.6	169.9





#93

1,2,4-Trichlorobenzene

Concen: 53.465 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

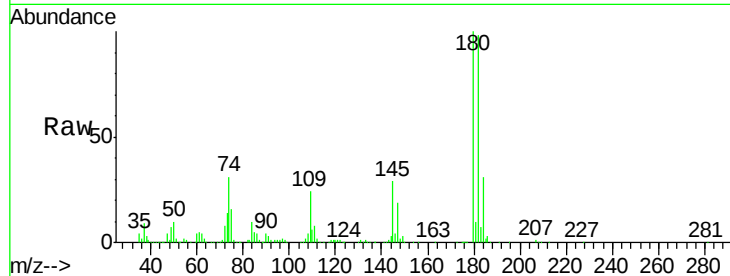
ClientSampleId :

VSTDCCC050

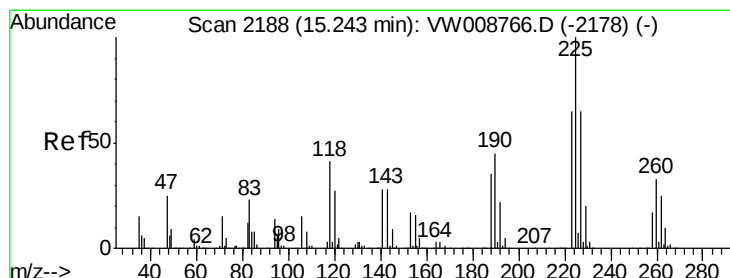
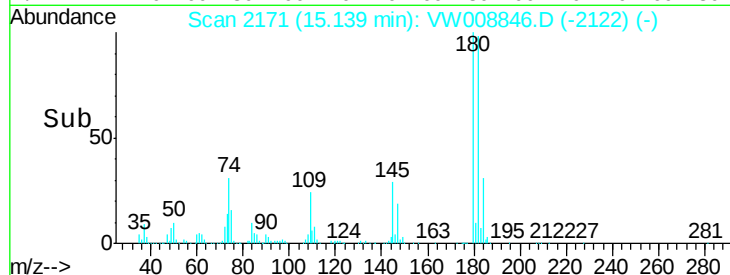
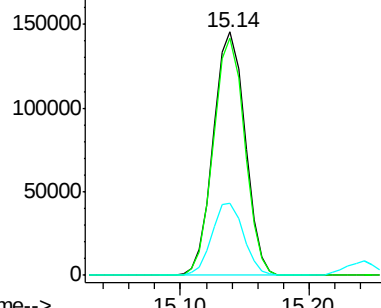
Tot Ion:	180	Resp:	248241
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.2	141.6
145	29.7	14.4	43.0

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 58.985 ug/l

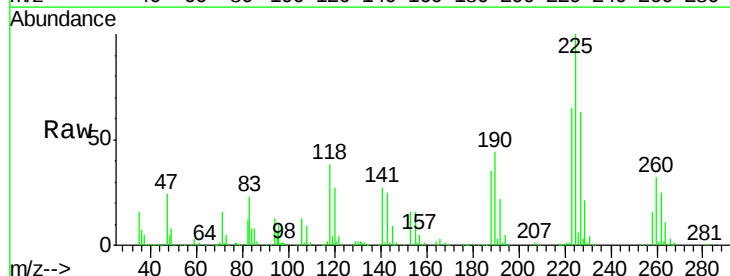
RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

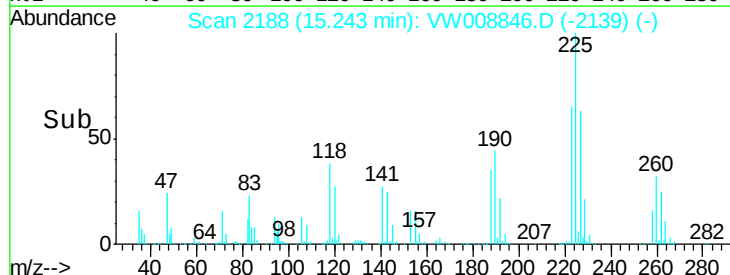
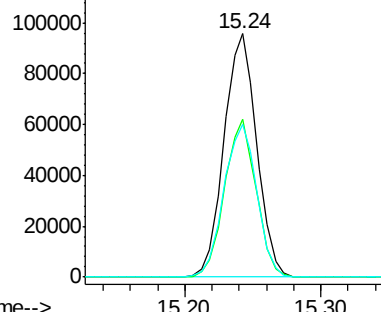
Lab File: VW008846.D

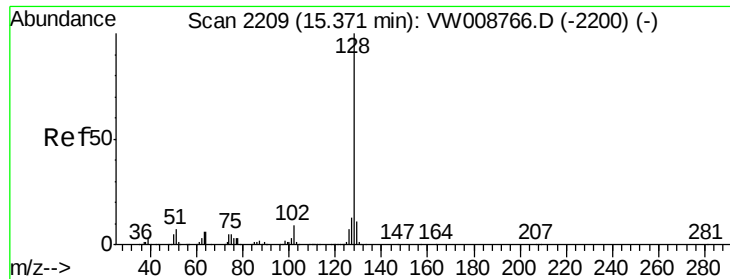
Acq: 27 Feb 2019 11:02

Tgt Ion:	225	Resp:	161320
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.5	94.5
227	63.1	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





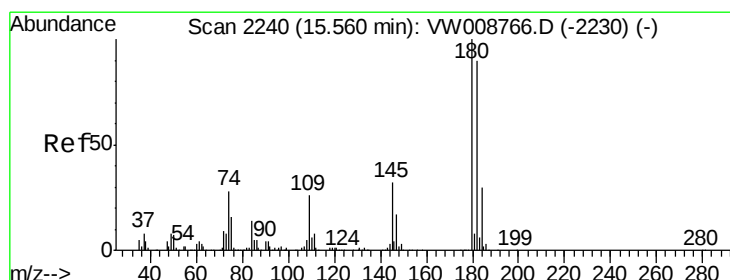
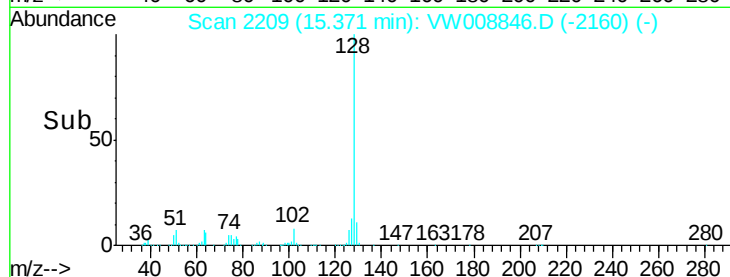
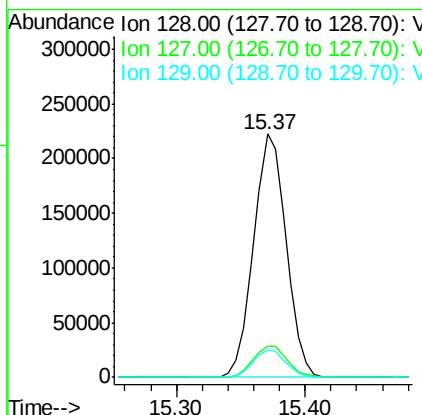
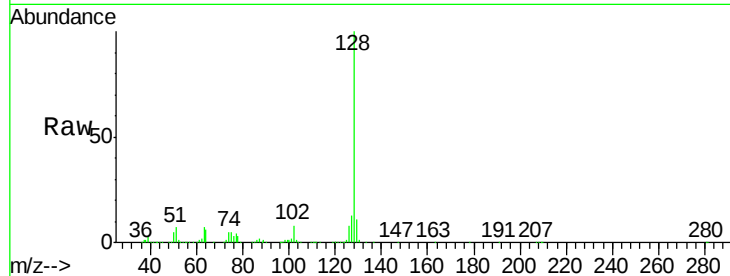
#95
Naphthalene
Concen: 49.143 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	388495		
127	13.5		10.8	16.2
129	11.2		8.7	13.1

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3/1/2019 12:09:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.615 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211224		
182	94.6		46.9	140.8
145	30.9		15.9	47.6

