

Data File : VW008971.D
Acq On : 04 Mar 2019 20:36
Operator : SY/VA
Sample : VW0305SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:53:58 AM

Quant Time: Mar 05 06:56:44 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	251561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131333	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
35) Dibromofluoromethane	7.88	113	117508	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
50) Toluene-d8	10.32	98	443485	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	179360	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47227	18.744	ug/l	95
3) Chloromethane	2.21	50	62230	20.290	ug/l	100
4) Vinyl Chloride	2.36	62	63143	19.445	ug/l	99
5) Bromomethane	2.74	94	51110	21.190	ug/l	98
6) Chloroethane	2.90	64	46047	19.969	ug/l	100
7) Trichlorofluoromethane	3.25	101	86992	21.182	ug/l	95
8) Diethyl Ether	3.68	74	27733	21.329	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54400	21.812	ug/l	98
10) Methyl Iodide	4.26	142	50004	16.033	ug/l	95
11) Tert butyl alcohol	5.17	59	22772	108.412	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	46312	21.026	ug/l	97
13) Acrolein	3.90	56	16171	86.993	ug/l	96
14) Allyl chloride	4.67	41	79021	20.787	ug/l	98
15) Acrylonitrile	5.37	53	62090	111.269	ug/l	99
16) Acetone	4.12	43	56924	104.086	ug/l	95
17) Carbon Disulfide	4.38	76	141187	19.320	ug/l	97
18) Methyl Acetate	4.67	43	27555	21.242	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	127541	21.393	ug/l	99
20) Methylene Chloride	4.92	84	65626	21.441	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	54924	21.557	ug/l	94
22) Diisopropyl ether	6.32	45	168738	22.251	ug/l	96
23) Vinyl Acetate	6.26	43	507571	108.332	ug/l	100
24) 1,1-Dichloroethane	6.21	63	97030	22.081	ug/l	97
25) 2-Butanone	7.17	43	81929	107.154	ug/l	99
26) 2,2-Dichloropropane	7.17	77	81861	20.519	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59835	21.955	ug/l	97
28) Bromochloromethane	7.51	49	42448	23.084	ug/l	100
29) Tetrahydrofuran	7.53	42	53973	110.770	ug/l	99
30) Chloroform	7.68	83	102424	22.720	ug/l	99
31) Cyclohexane	7.95	56	90446	20.334	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	90224	22.008	ug/l	99
36) 1,1-Dichloropropene	8.09	75	77212	21.588	ug/l	99
37) Ethyl Acetate	7.25	43	37454	22.519	ug/l	97
38) Carbon Tetrachloride	8.07	117	80502	21.343	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89098	19.972	ug/l	99
40) Benzene	8.32	78	212010	21.711	ug/l	99
41) Methacrylonitrile	7.49	41	20761	21.236	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71565	23.135	ug/l	100
43) Isopropyl Acetate	8.42	43	70210	21.151	ug/l	99
44) Trichloroethene	9.09	130	58249	21.174	ug/l	96
45) 1,2-Dichloropropane	9.37	63	54093	22.416	ug/l	99
46) Dibromomethane	9.46	93	29480	21.963	ug/l	99
47) Bromodichloromethane	9.64	83	72061	22.065	ug/l	97
48) Methyl methacrylate	9.44	41	31610	19.883	ug/l	93
49) 1,4-Dioxane	9.45	88	9633	448.145	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	185911	110.315	ug/l	99
52) Toluene	10.39	92	139940	21.115	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	71394	21.448	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	85049	22.402	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42619	23.413	ug/l	94
56) Ethyl methacrylate	10.65	69	48895	20.674	ug/l	98
57) 1,3-Dichloropropane	10.93	76	72040	22.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	140783	118.358	ug/l	97
59) 2-Hexanone	10.97	43	125911	104.957	ug/l	100
60) Dibromochloromethane	11.13	129	50030	22.533	ug/l	97
61) 1,2-Dibromoethane	11.24	107	39302	21.812	ug/l	99
64) Tetrachloroethene	10.86	164	54011	21.019	ug/l	93
65) Chlorobenzene	11.66	112	157932	20.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	54344	21.293	ug/l	98
67) Ethyl Benzene	11.73	91	278651	20.651	ug/l	98
68) m/p-Xylenes	11.84	106	229428	42.555	ug/l	98
69) o-Xylene	12.17	106	105150	20.779	ug/l	99
70) Styrene	12.18	104	171796	21.102	ug/l	100
71) Bromoform	12.35	173	28938	21.094	ug/l #	97
73) Isopropylbenzene	12.47	105	286498	19.943	ug/l	99
74) N-amyl acetate	12.27	43	70595	19.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	48427	20.630	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26952m	15.577	ug/l	
77) Bromobenzene	12.75	156	68908	20.298	ug/l	98
78) n-propylbenzene	12.80	91	354421	20.168	ug/l	100
79) 2-Chlorotoluene	12.90	91	202769	20.323	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	257764	20.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13228	18.586	ug/l	92
82) 4-Chlorotoluene	12.99	91	214253	20.378	ug/l	100
83) tert-Butylbenzene	13.21	119	210851	19.532	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	258387	19.994	ug/l	100
85) sec-Butylbenzene	13.39	105	311129	20.044	ug/l	99
86) p-Isopropyltoluene	13.50	119	279269	19.626	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	142793	20.273	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	144369	20.796	ug/l	99
89) n-Butylbenzene	13.83	91	265167	19.891	ug/l	99
90) Hexachloroethane	14.10	117	46223	19.843	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	128355	20.452	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8976	21.138	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030519\
Quantitation Report (QT Reviewed)

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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)
93) 1,2,4-Trichlorobenzene	15.14	180	91324	20.196	ug/l	99
94) Hexachlorobutadiene	15.24	225	56351	21.156	ug/l	99
95) Naphthalene	15.37	128	144376	18.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	79387	20.305	ug/l	98

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

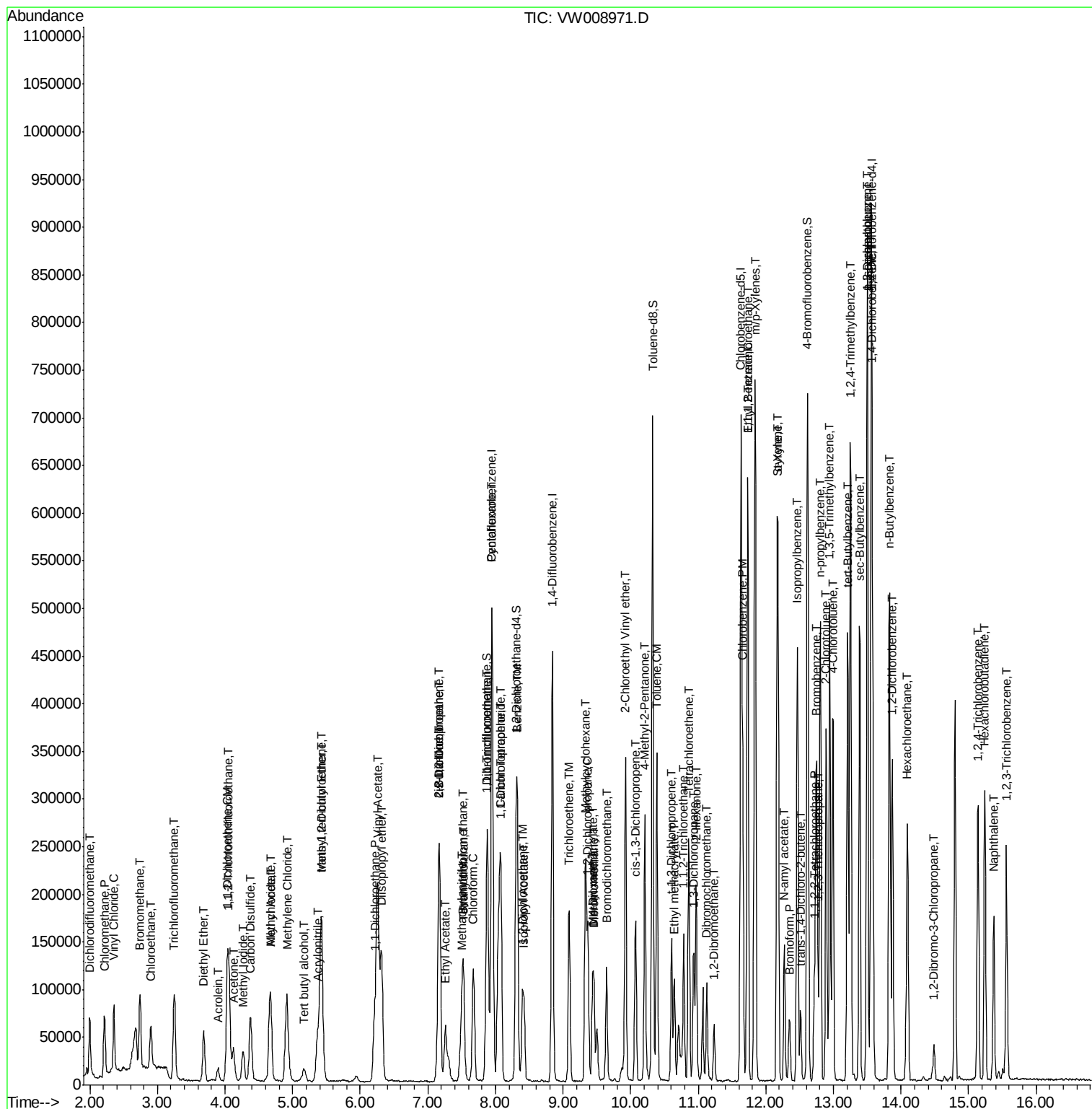
Data File : VW008971.D
Acq On : 04 Mar 2019 20:36
Operator : SY/VA
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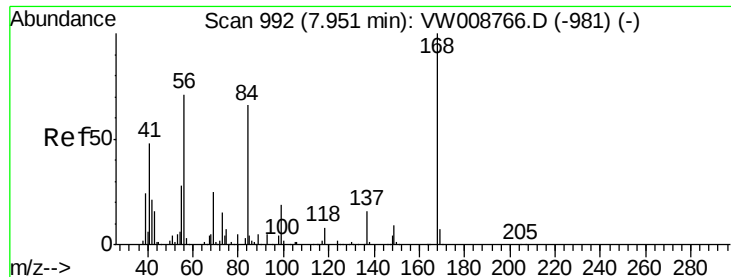
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion:168 Resp: 251561

Ion Ratio Lower Upper

168 100

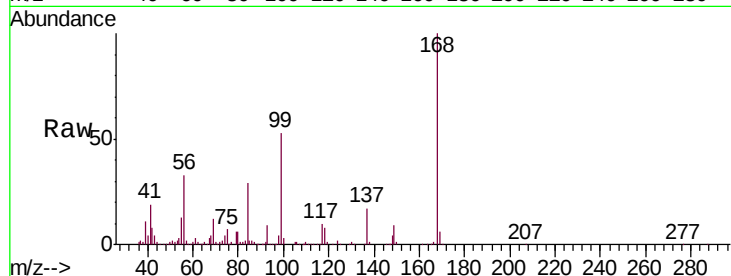
99 52.6 42.2 63.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 10:53:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

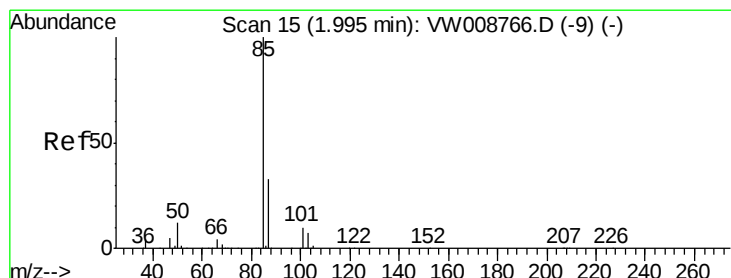
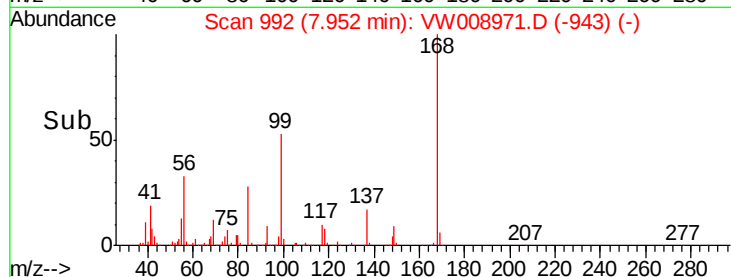
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.744 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008971.D

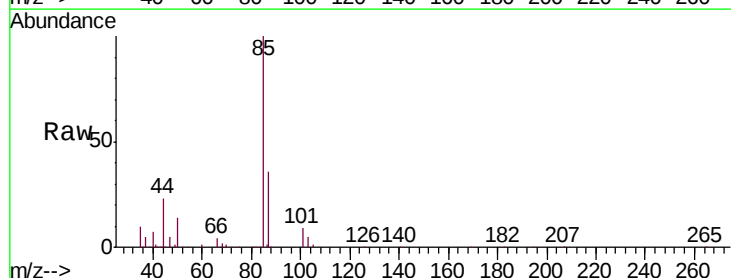
Acq: 04 Mar 2019 20:36

Tgt Ion: 85 Resp: 47227

Ion Ratio Lower Upper

85 100

87 35.7 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

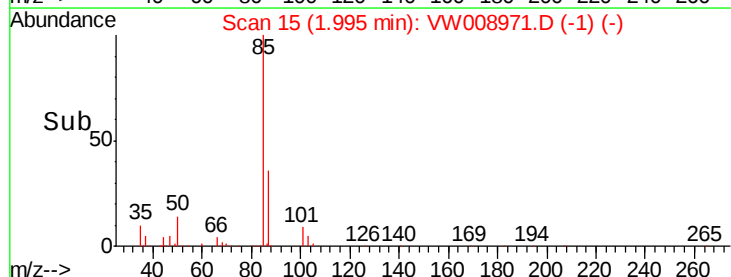
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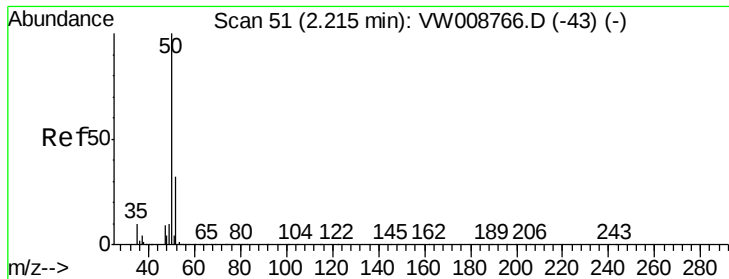
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10000

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Time-->





#3

Chloromethane

Concen: 20.290 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 50 Resp: 62230

Ion Ratio Lower Upper

50 100

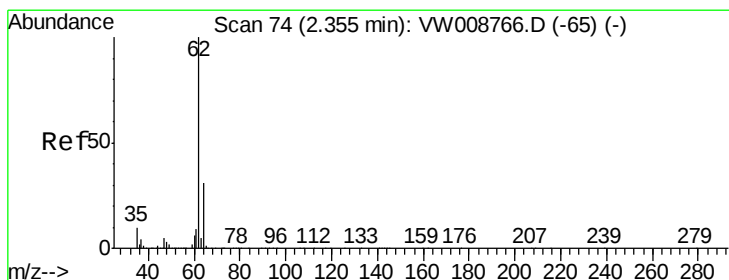
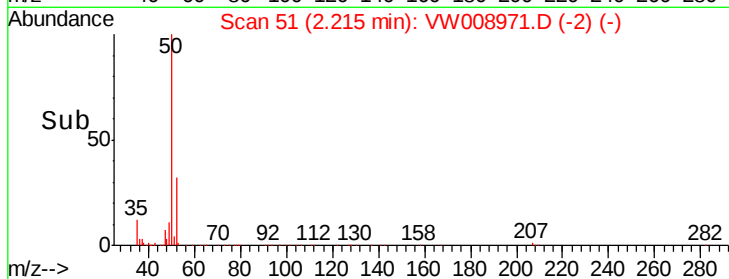
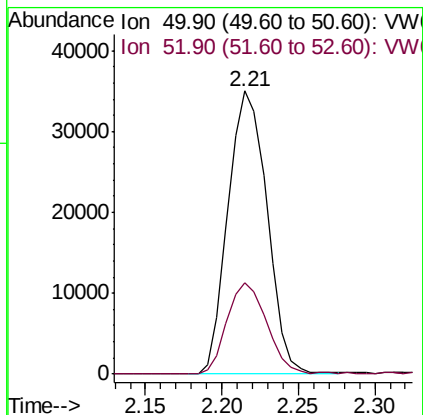
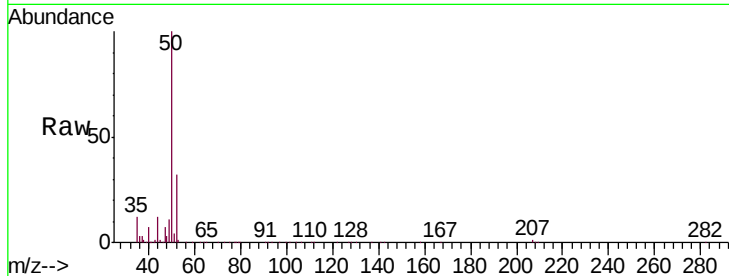
52 32.2 25.9 38.9

Manual Integrations

APPROVED

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3/8/2019 10:53:58 AM



#4

Vinyl Chloride

Concen: 19.445 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008971.D

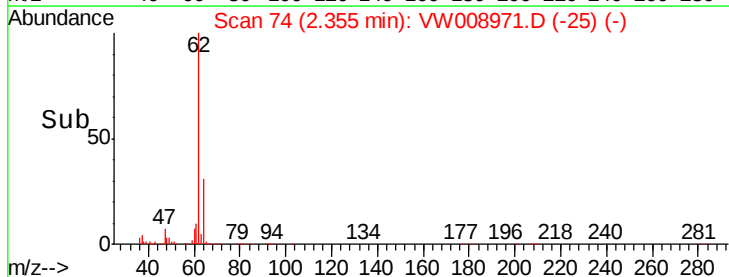
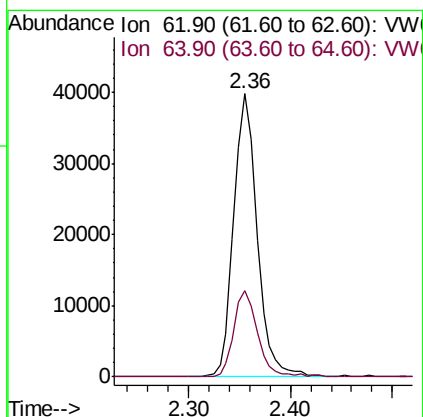
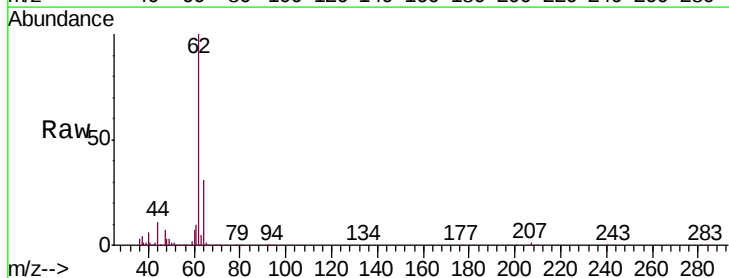
Acq: 04 Mar 2019 20:36

Tgt Ion: 62 Resp: 63143

Ion Ratio Lower Upper

62 100

64 30.6 24.9 37.3





#5

Bromomethane

Concen: 21.190 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampled :

VW0305SBS01

Tgt Ion: 94 Resp: 51110

Ion Ratio Lower Upper

94 100

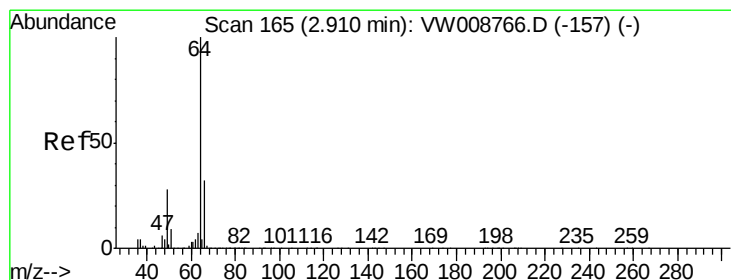
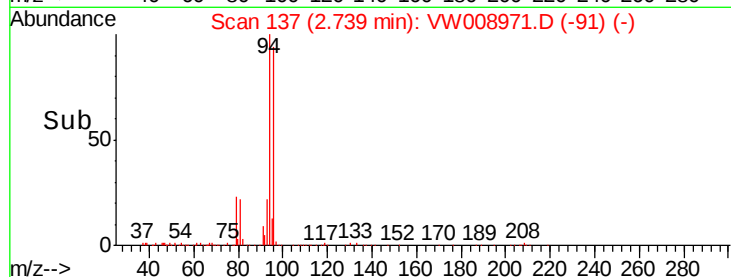
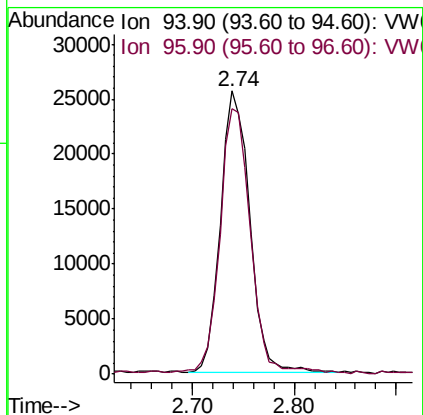
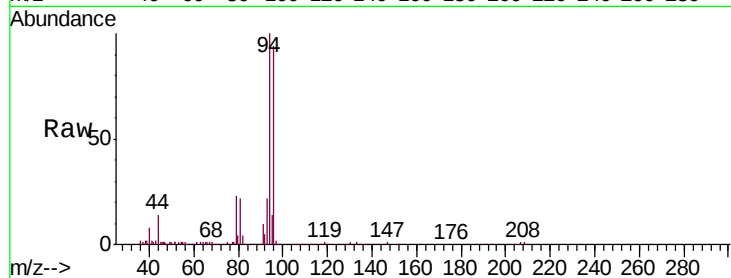
96 93.7 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 10:53:58 AM



#6

Chloroethane

Concen: 19.969 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008971.D

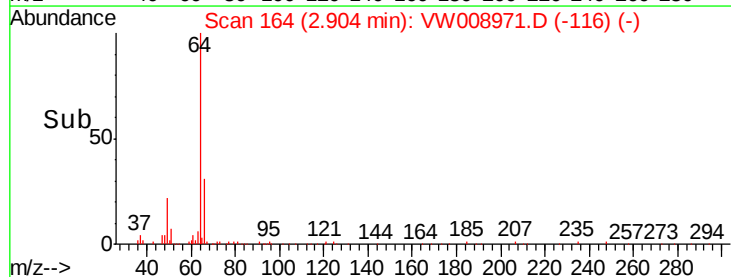
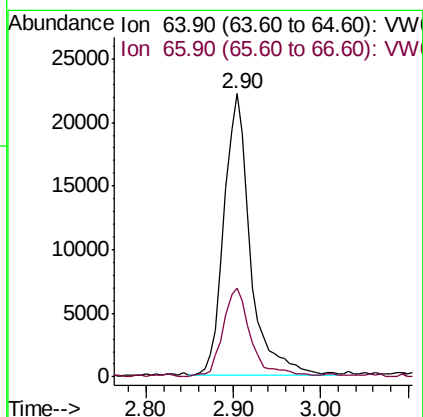
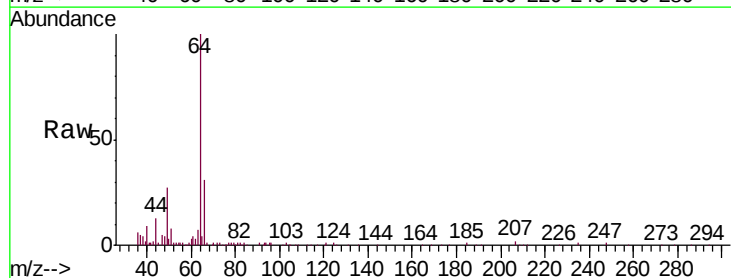
Acq: 04 Mar 2019 20:36

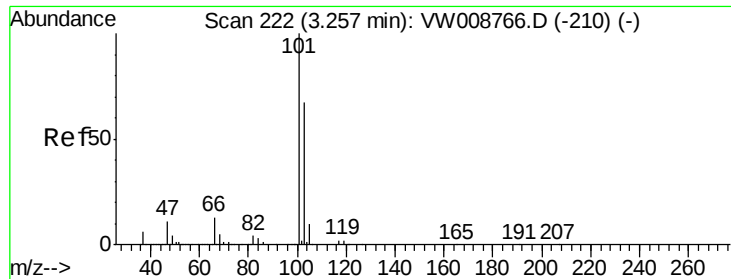
Tgt Ion: 64 Resp: 46047

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

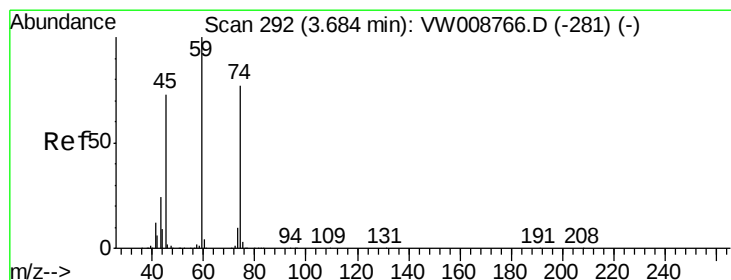
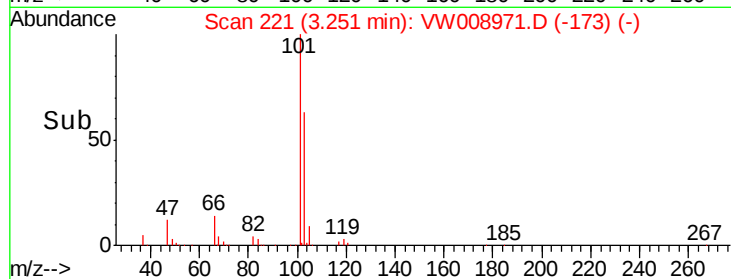
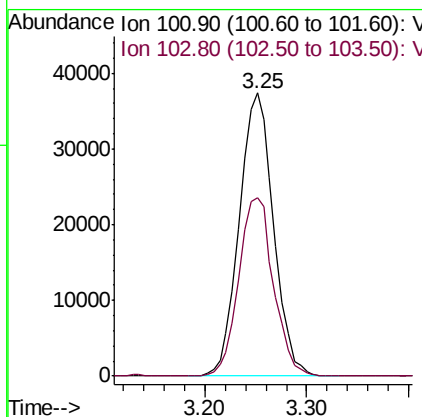
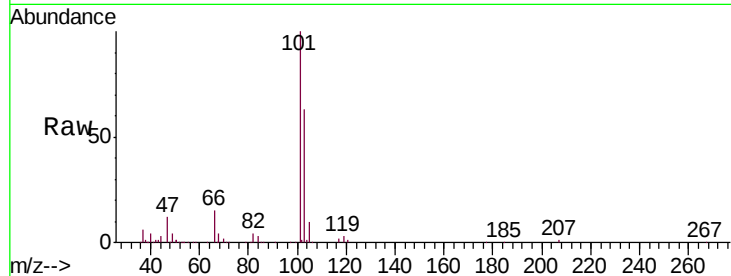
Trichlorofluoromethane
 Concen: 21.182 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.9	80.9

Manual Integrations
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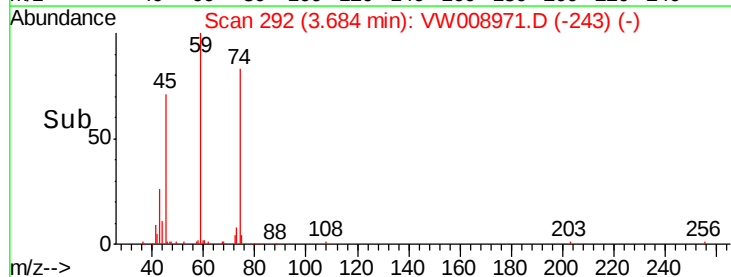
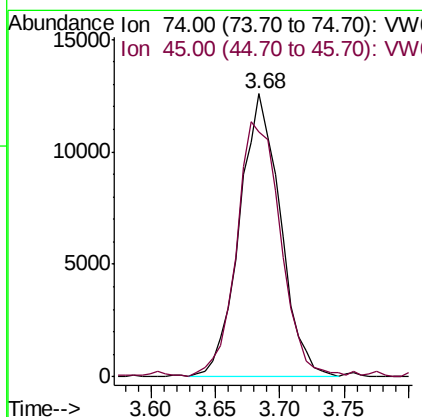
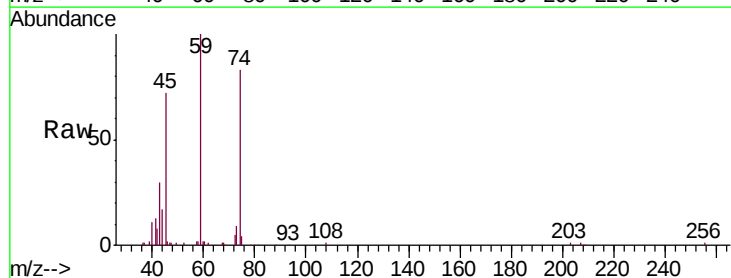
MMDadoda
 3/8/2019 10:53:58 AM



#8

Diethyl Ether
 Concen: 21.329 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.812 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

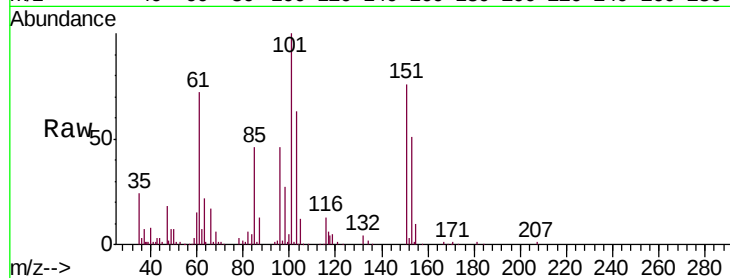
ClientSampleId :

VW0305SBS01

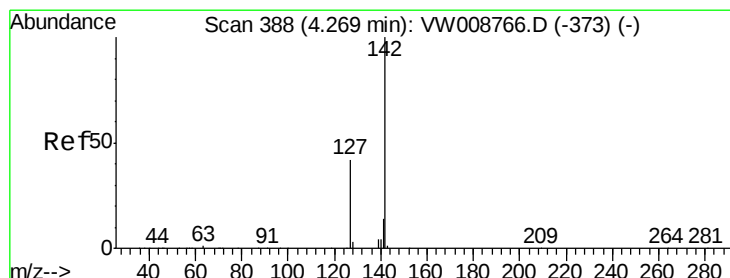
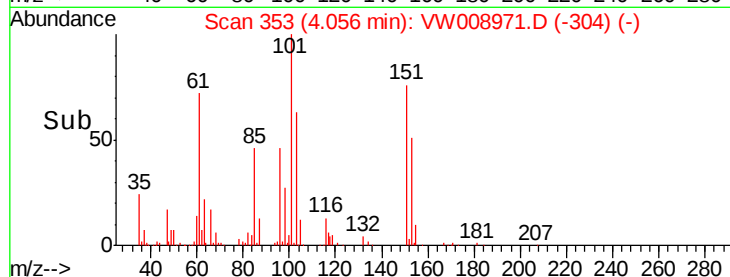
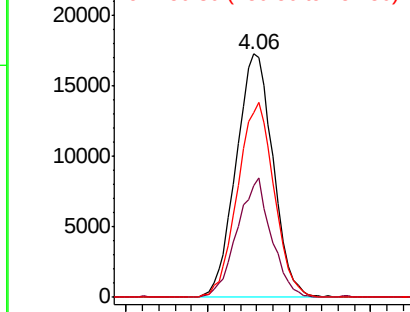
Tgt Ion:	101	Resp:	54400
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	79.1	65.5	98.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.033 ug/l

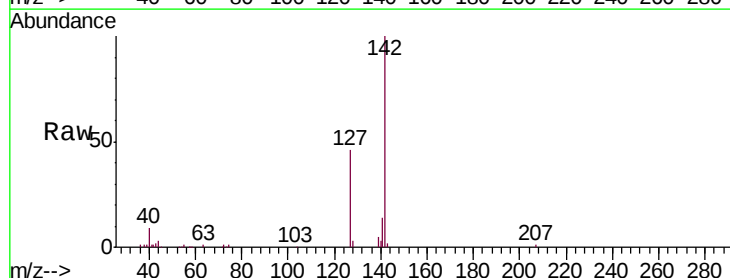
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

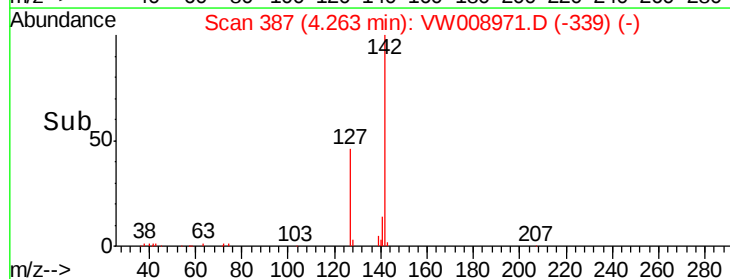
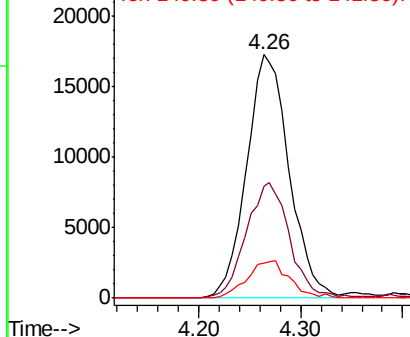
Lab File: VW008971.D

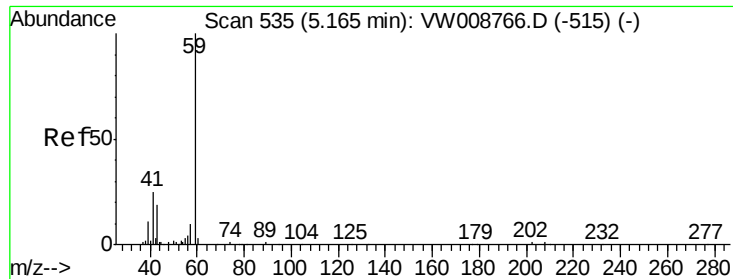
Acq: 04 Mar 2019 20:36

Tgt Ion:	142	Resp:	50004
Ion Ratio	Lower	Upper	
142	100		
127	48.2	35.3	52.9
141	15.3	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





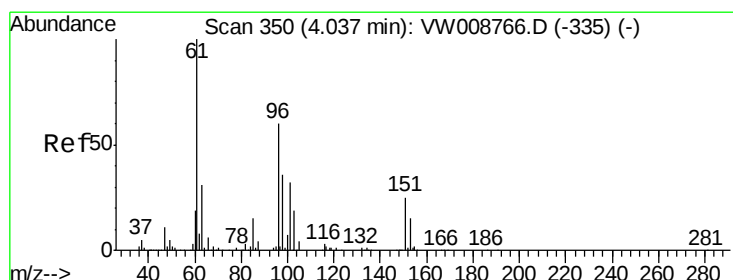
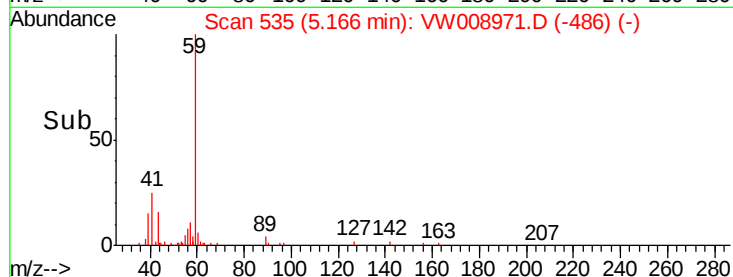
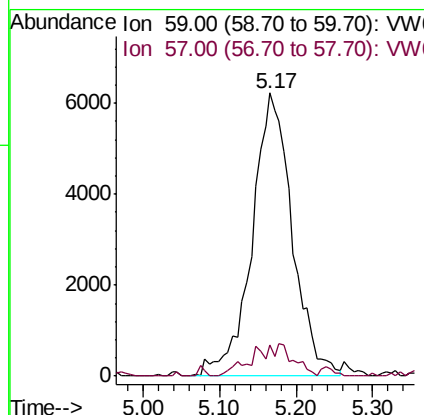
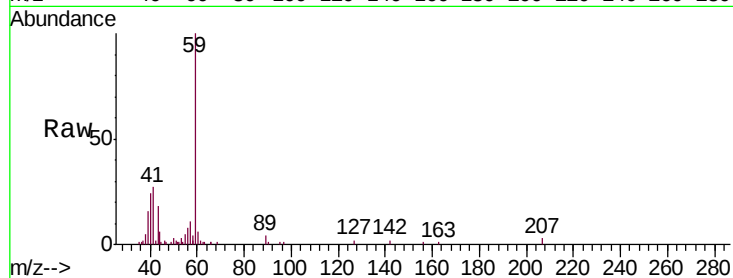
#11
Tert butyl alcohol
Concen: 108.412 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion: 59 Resp: 22772
Ion Ratio Lower Upper
59 100
57 6.5 9.3 13.9#

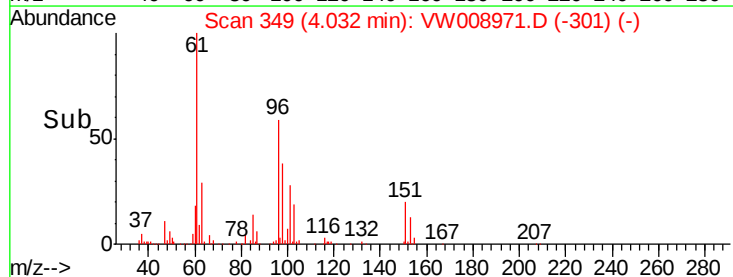
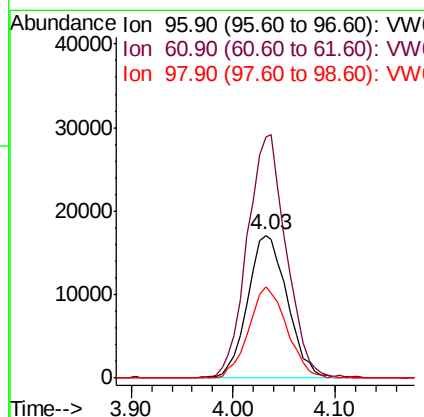
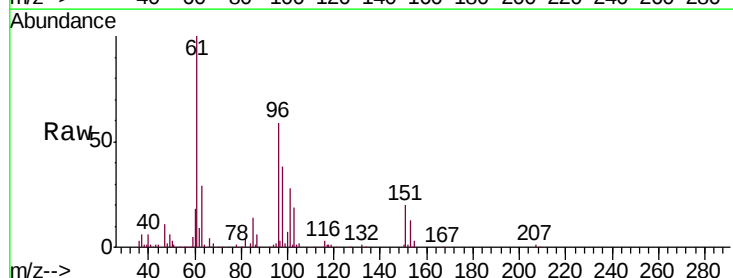
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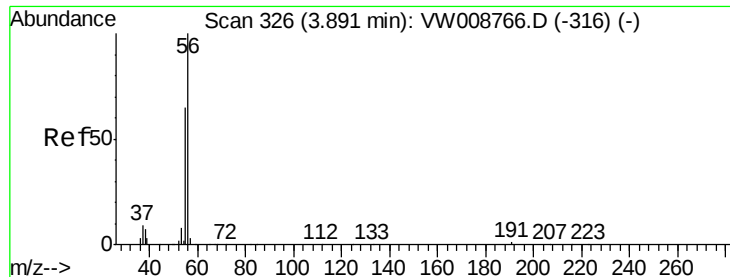
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.026 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion: 96 Resp: 46312
Ion Ratio Lower Upper
96 100
61 168.9 132.5 198.7
98 63.9 48.2 72.4





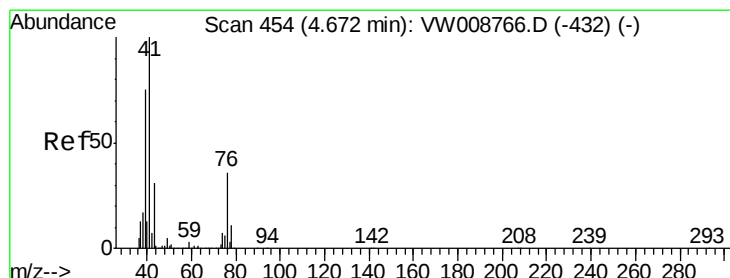
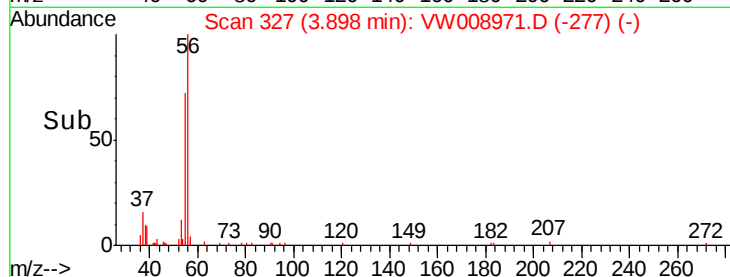
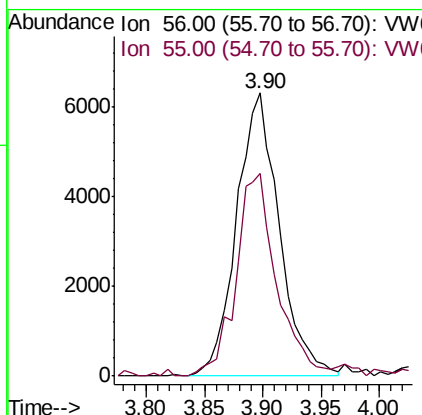
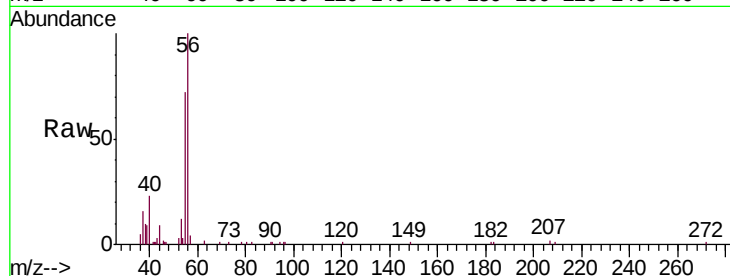
#13
Acrolein
Concen: 86.993 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	68.0	56.9	85.3

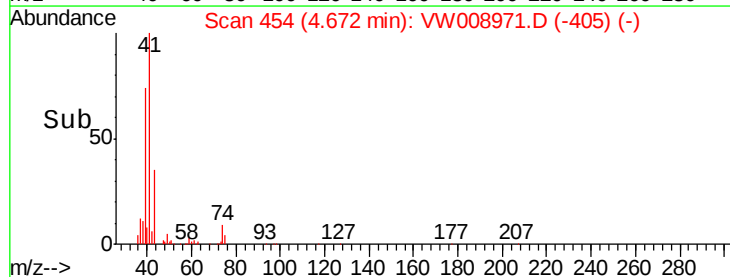
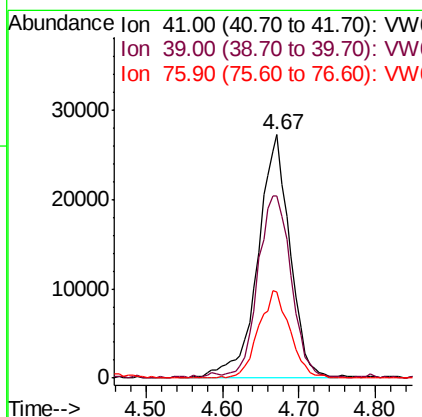
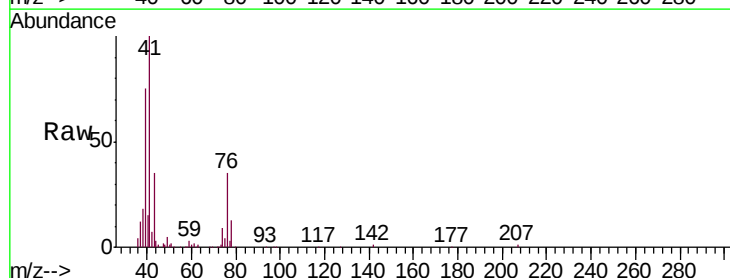
Manual Integrations
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#14
Allyl chloride
Concen: 20.787 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.6	60.6	91.0
76	35.5	28.6	42.8





#15

Acrylonitrile

Concen: 111.269 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

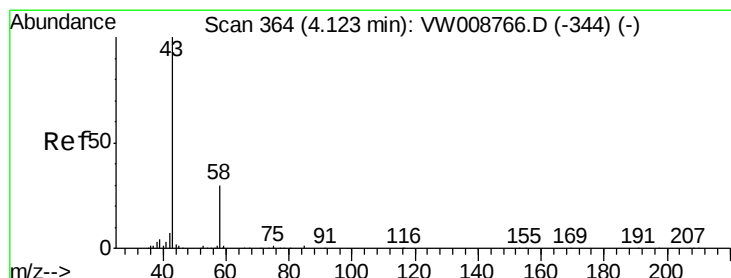
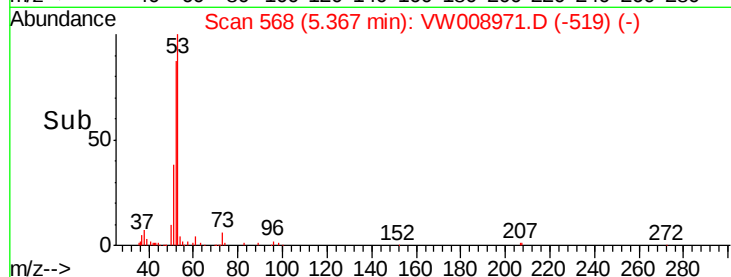
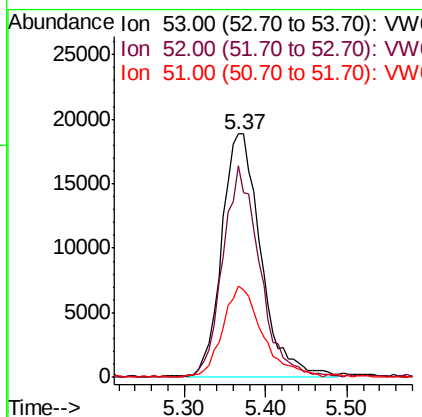
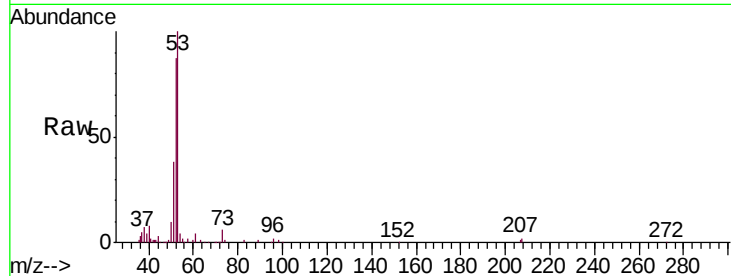
ClientSampleId :

VW0305SBS01

Tgt Ion:	53	Resp:	62090
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	38.4	31.1	46.7

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#16

Acetone

Concen: 104.086 ug/l

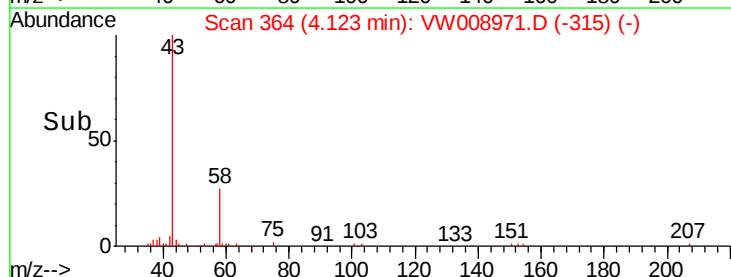
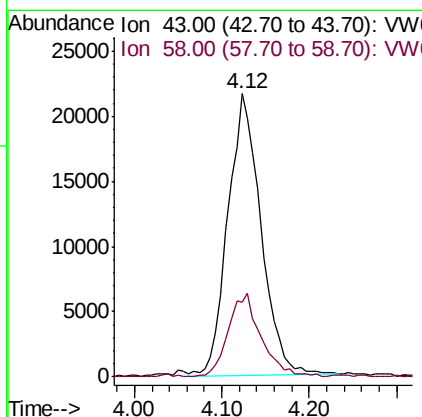
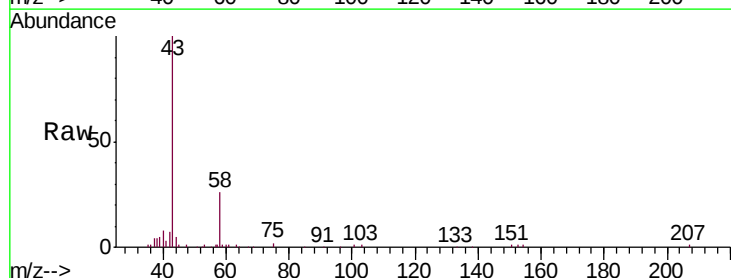
RT: 4.12 min Scan# 364

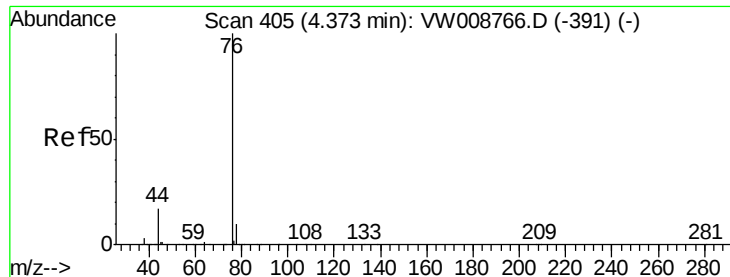
Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	43	Resp:	56924
Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.8	35.6





#17

Carbon Disulfide

Concen: 19.320 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 76 Resp: 141187

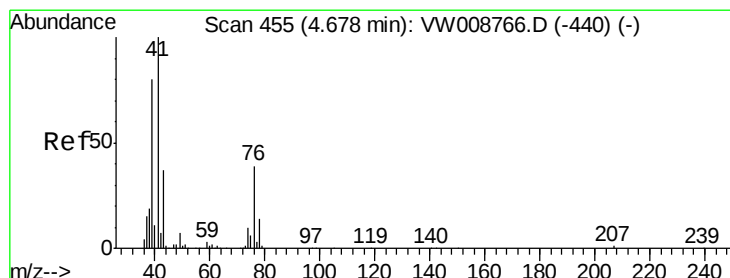
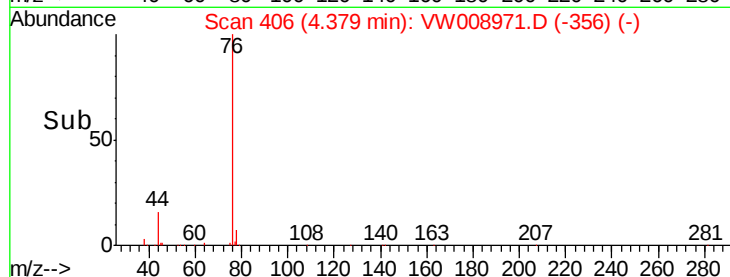
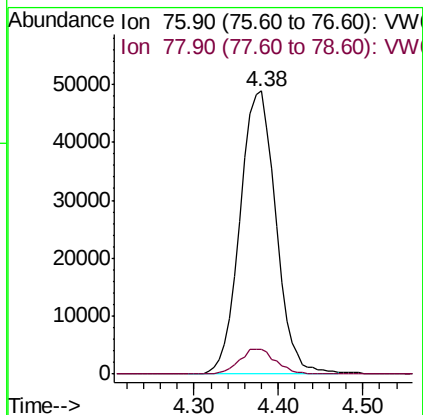
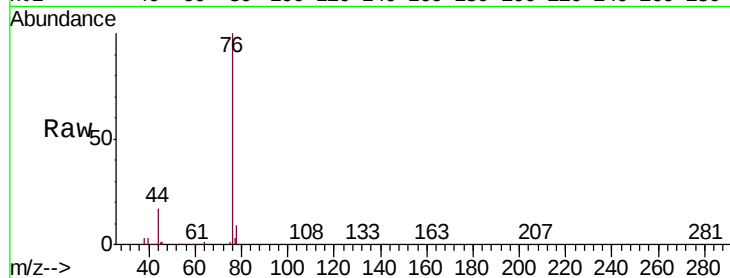
Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8

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#18

Methyl Acetate

Concen: 21.242 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008971.D

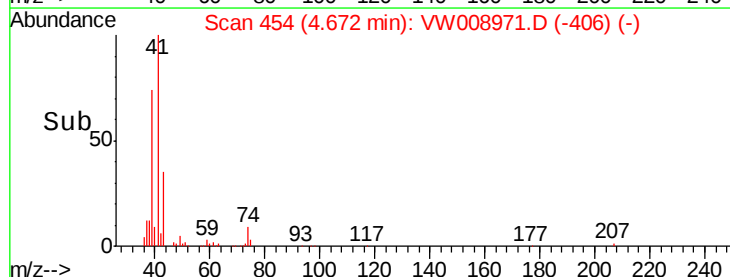
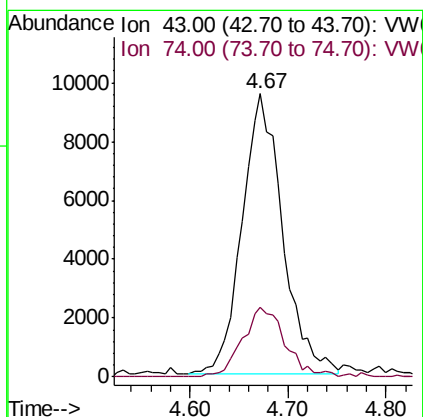
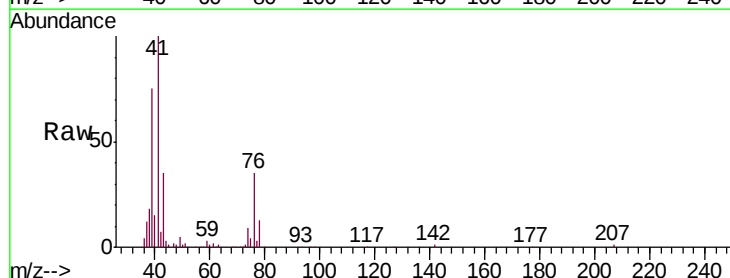
Acq: 04 Mar 2019 20:36

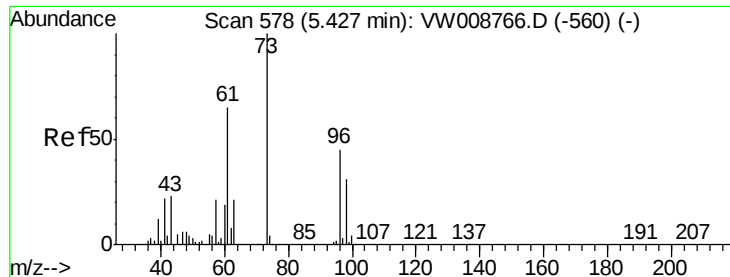
Tgt Ion: 43 Resp: 27555

Ion Ratio Lower Upper

43 100

74 26.2 19.4 29.2





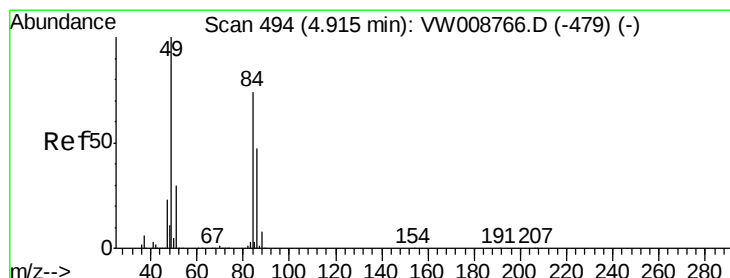
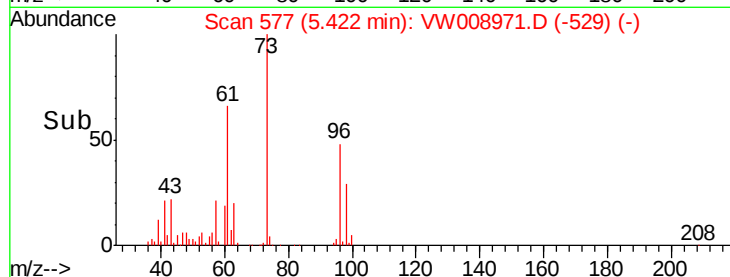
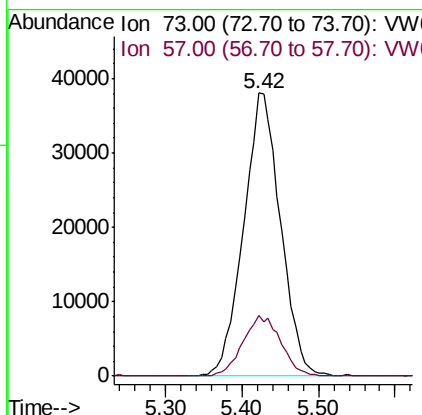
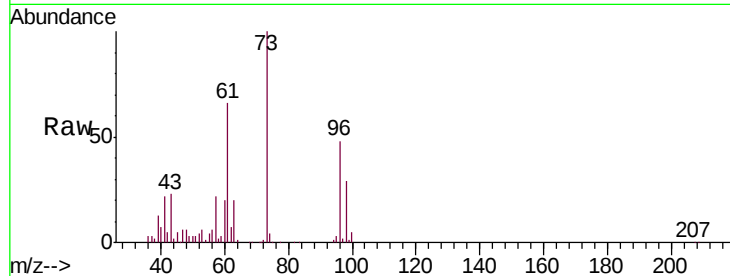
#19
Methyl tert-butyl Ether
Concen: 21.393 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion: 73 Resp: 127541
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2

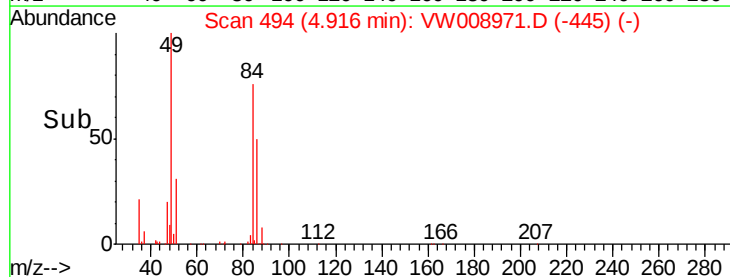
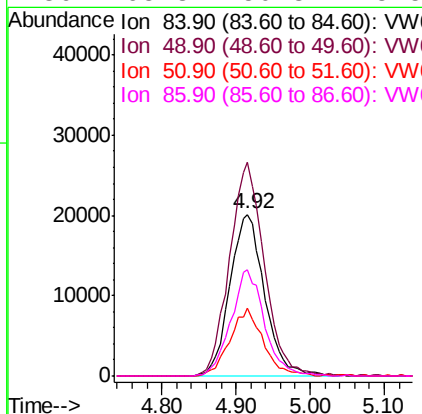
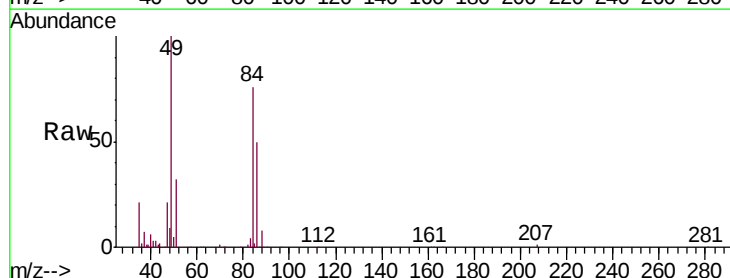
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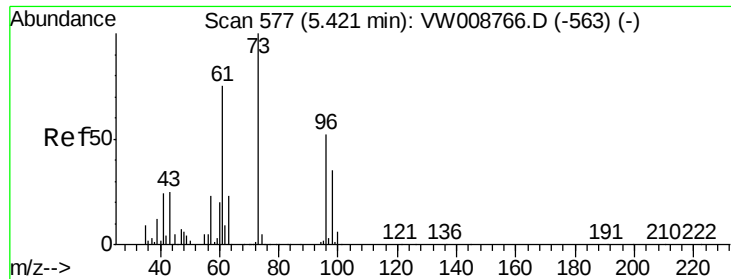
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#20
Methylene Chloride
Concen: 21.441 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion: 84 Resp: 65626
Ion Ratio Lower Upper
84 100
49 131.9 108.2 162.2
51 42.1 32.7 49.1
86 65.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.557 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

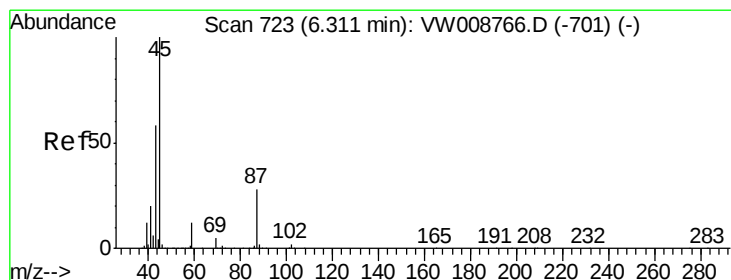
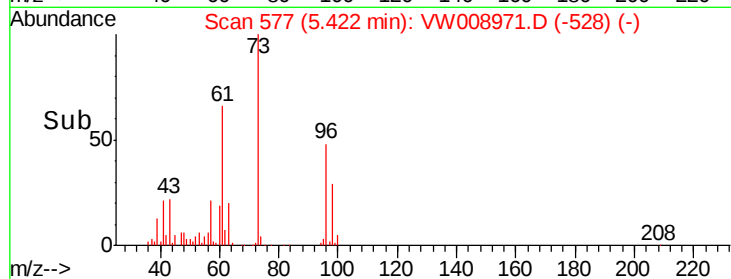
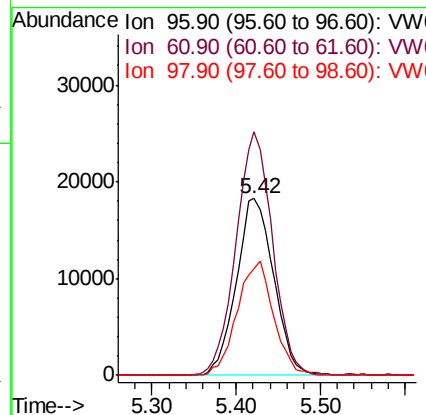
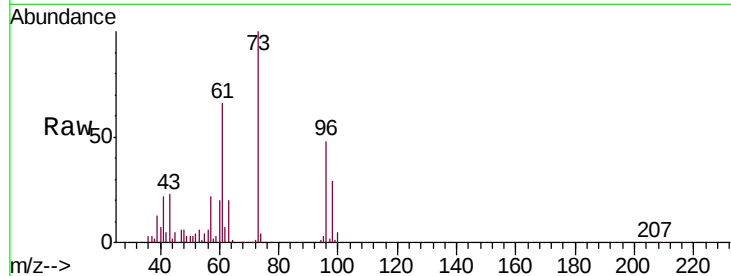
ClientSampleId :

VW0305SBS01

Tgt Ion:	96	Resp:	54924
Ion	Ratio	Lower	Upper
96	100		
61	137.5	114.6	171.8
98	60.6	54.0	81.0

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#22

Diisopropyl ether

Concen: 22.251 ug/l

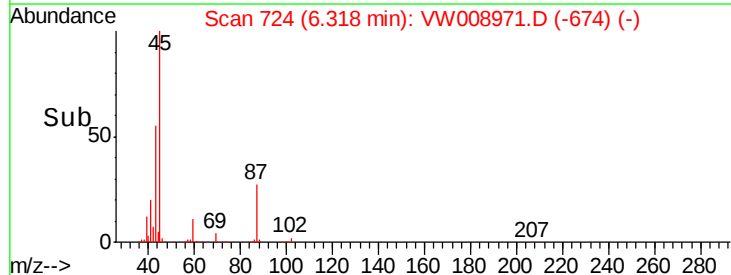
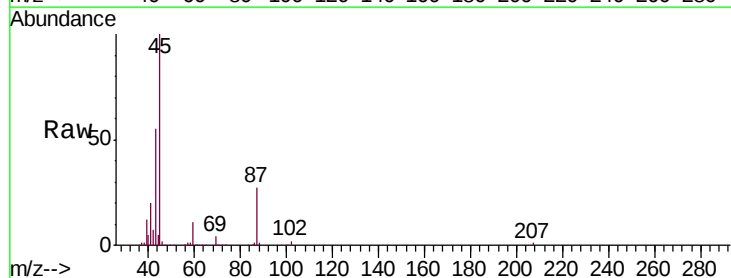
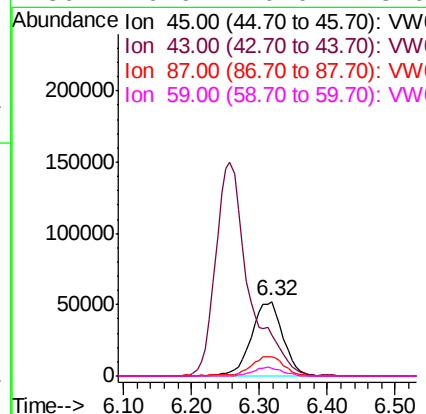
RT: 6.32 min Scan# 724

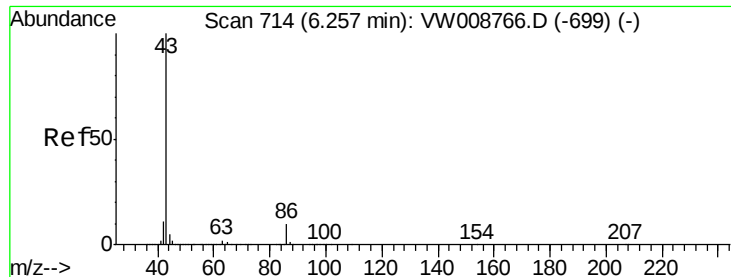
Delta R.T. 0.01 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	45	Resp:	168738
Ion	Ratio	Lower	Upper
45	100		
43	54.3	46.1	69.1
87	26.7	22.2	33.4
59	10.9	10.0	15.0





#23

Vinyl Acetate

Concen: 108.332 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 43 Resp: 507571

Ion Ratio Lower Upper

43 100

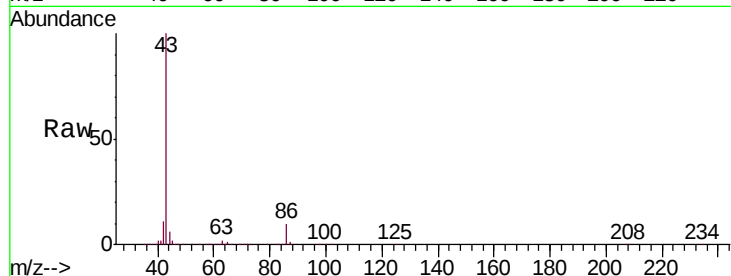
86 10.2 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

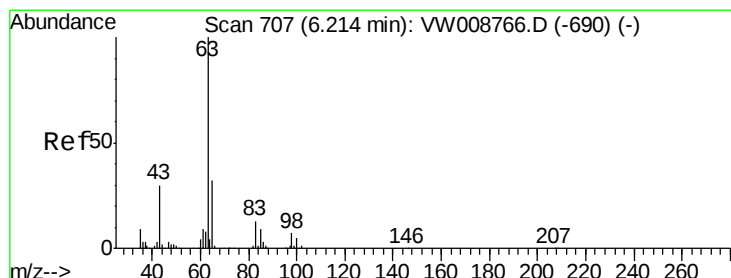
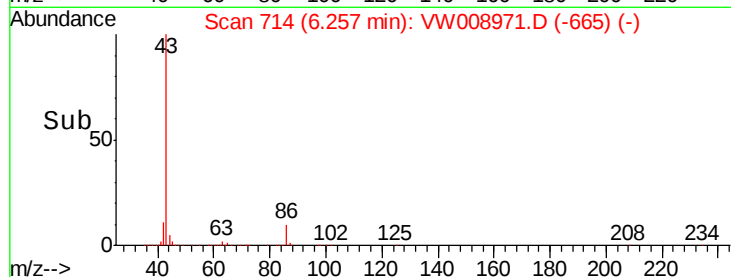
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.081 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

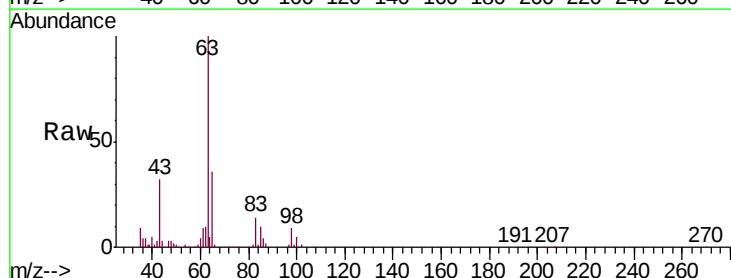
Tgt Ion: 63 Resp: 97030

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.6

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

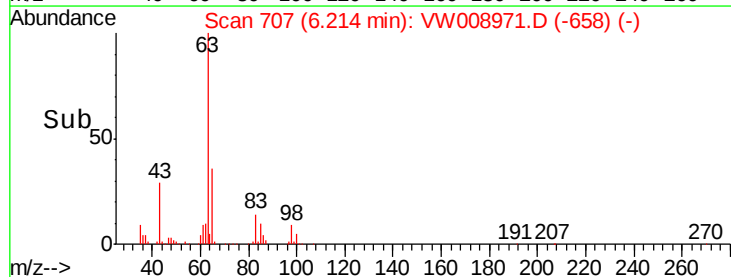
30000

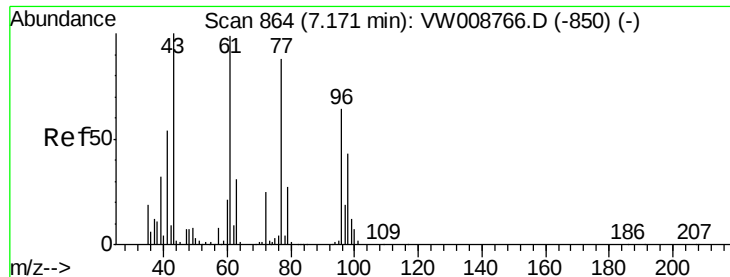
20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.154 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampled :

VW0305SBS01

Tgt Ion: 43 Resp: 81929

Ion Ratio Lower Upper

43 100

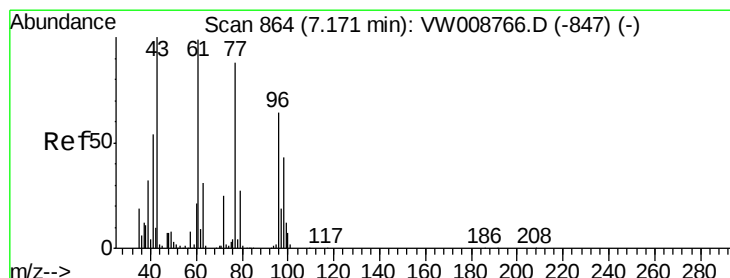
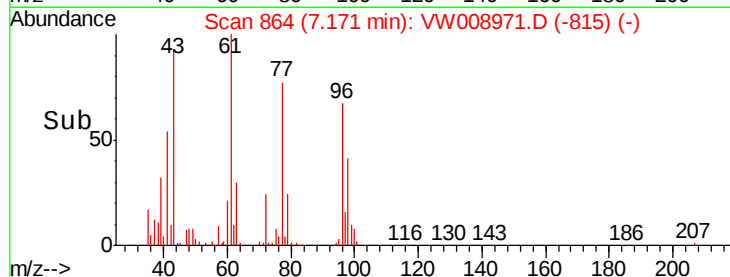
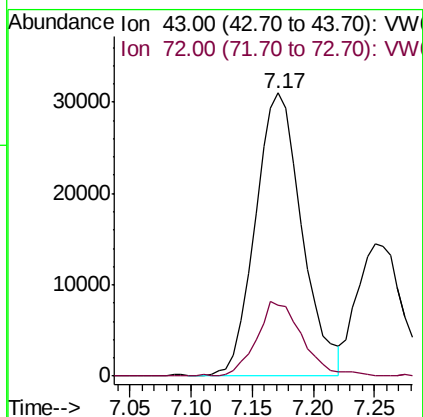
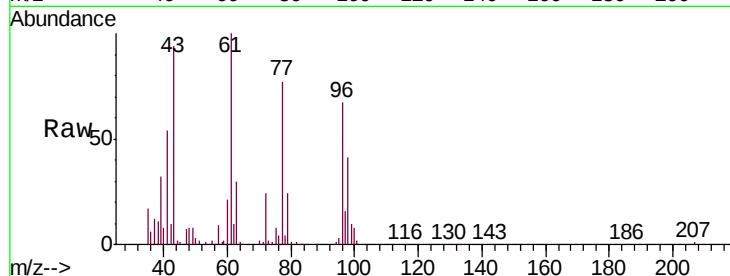
72 25.3 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.519 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008971.D

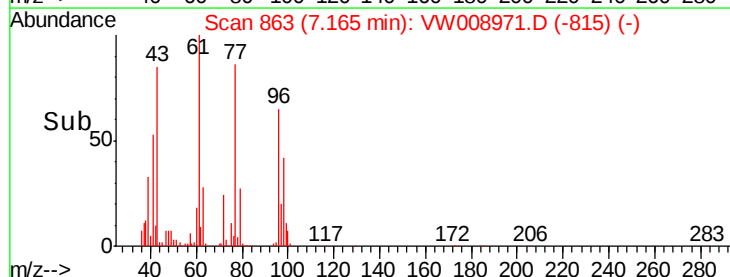
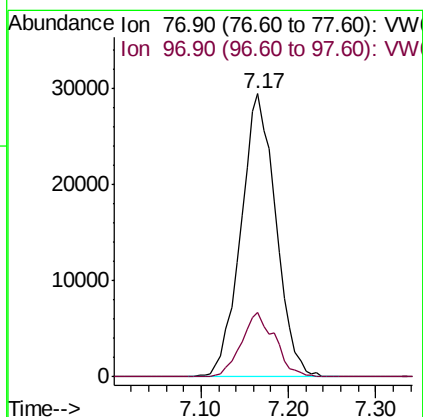
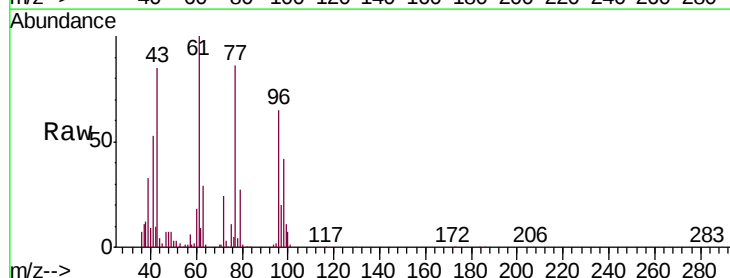
Acq: 04 Mar 2019 20:36

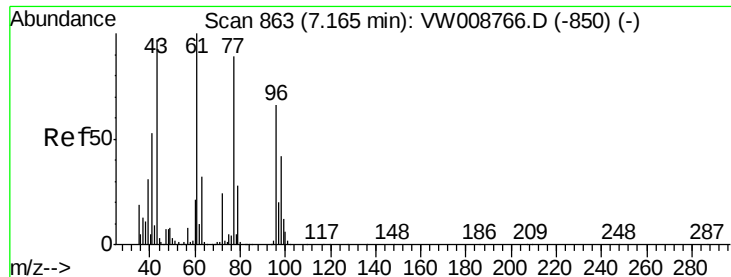
Tgt Ion: 77 Resp: 81861

Ion Ratio Lower Upper

77 100

97 22.1 11.0 33.0





#27

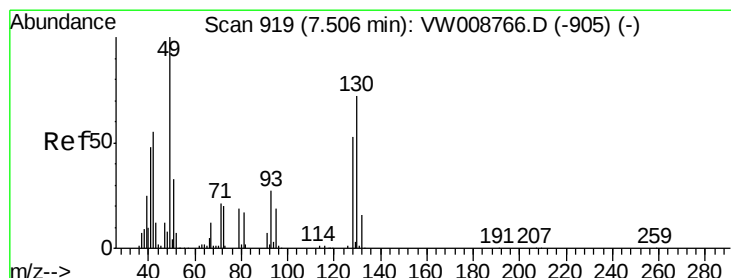
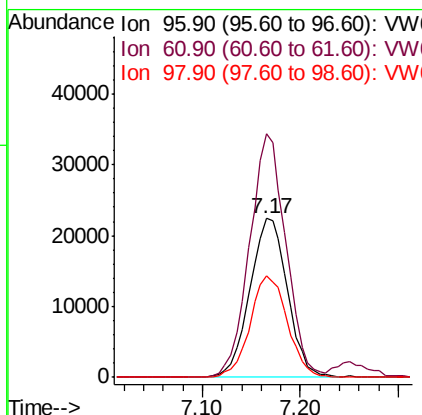
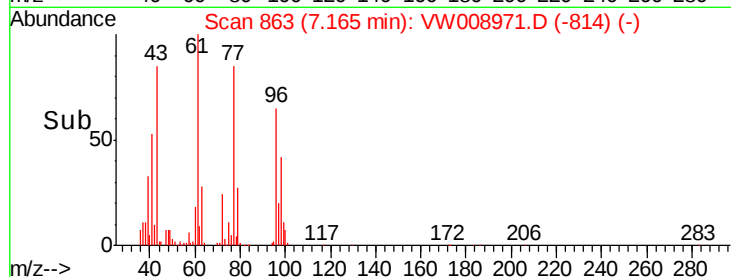
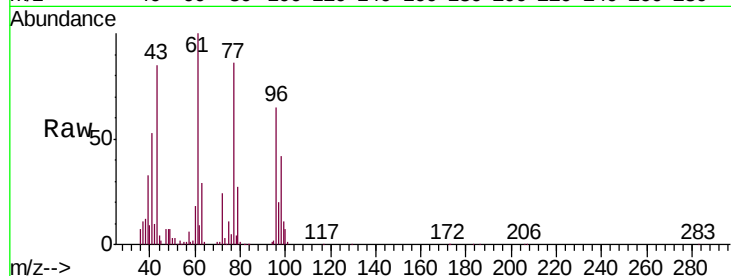
cis-1,2-Dichloroethene
Concen: 21.955 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59835		
61	147.8		0.0	302.6
98	63.1		0.0	130.0

Manual Integrations
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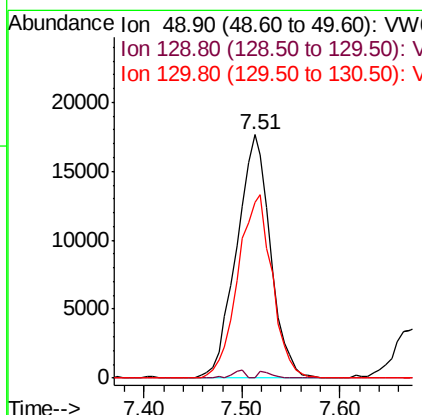
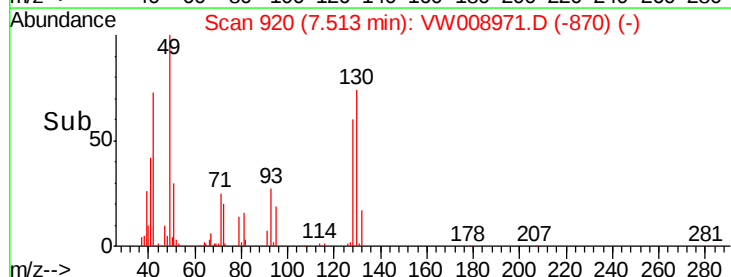
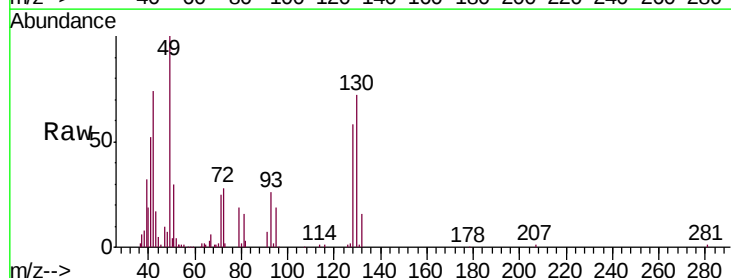
MMDadoda
3/8/2019 10:53:58 AM

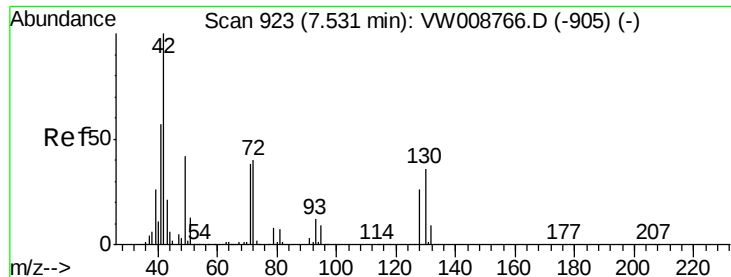


#28

Bromochloromethane
Concen: 23.084 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42448		
129	1.0		0.0	2.6
130	76.6		61.3	91.9





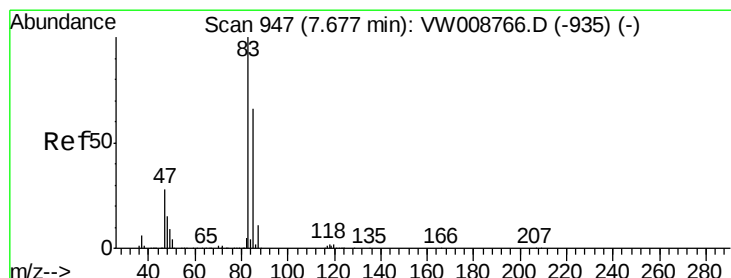
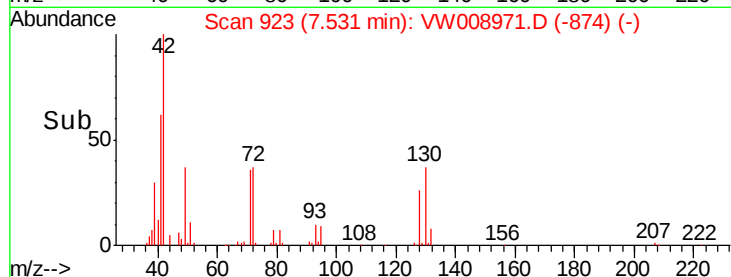
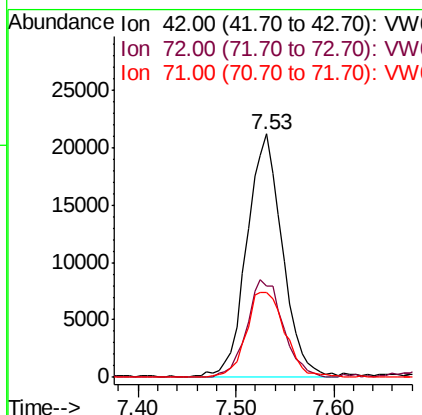
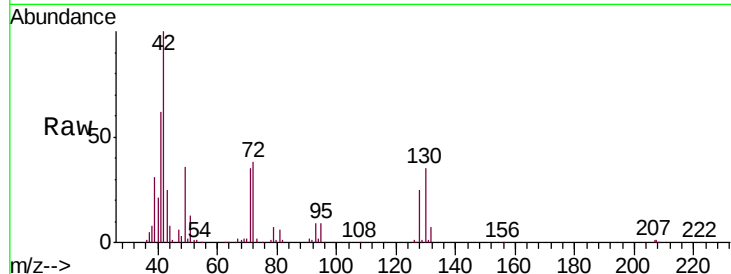
#29
Tetrahydrofuran
Concen: 110.770 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.7	49.1
71	38.0	31.3	46.9

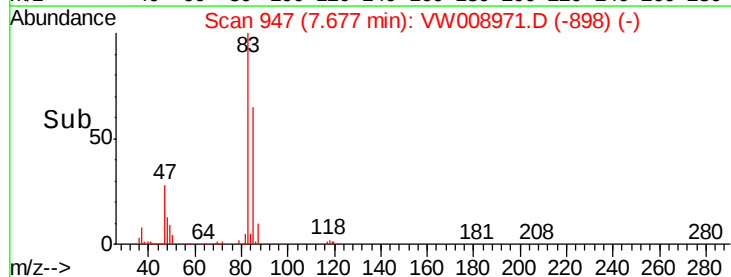
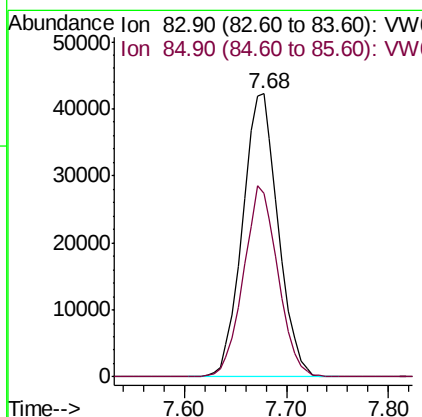
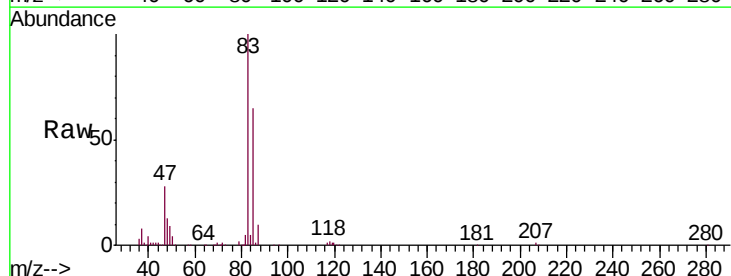
Manual Integrations
APPROVED

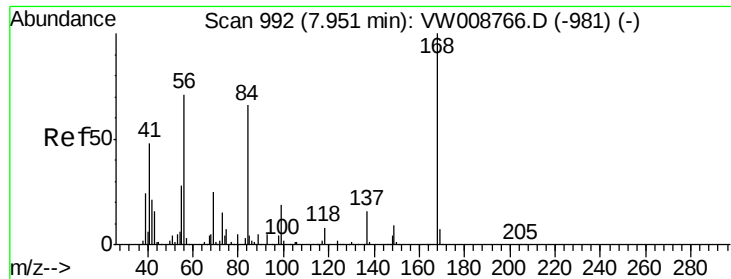
MMDadoda
3/8/2019 10:53:58 AM



#30
Chloroform
Concen: 22.720 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0





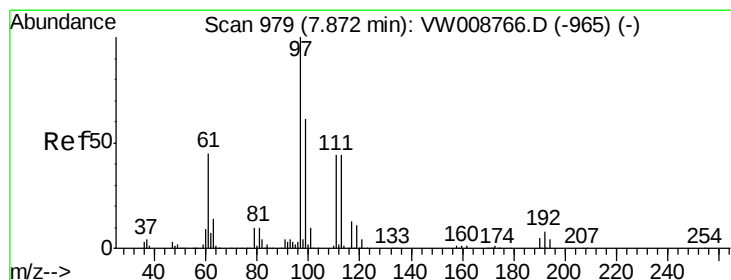
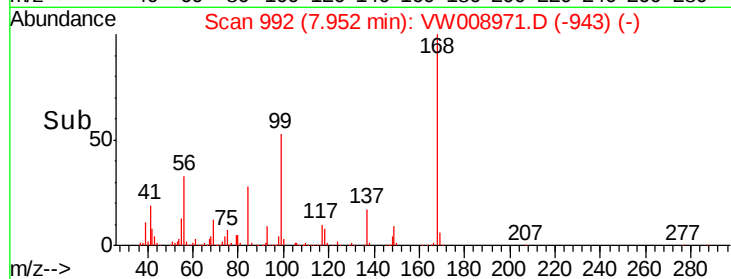
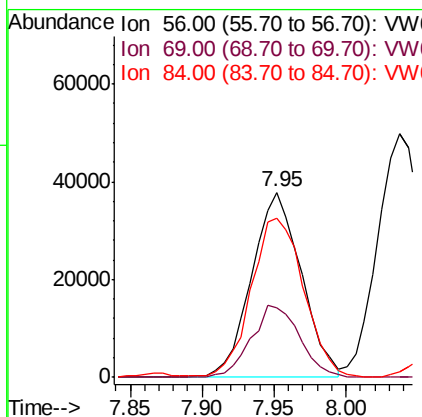
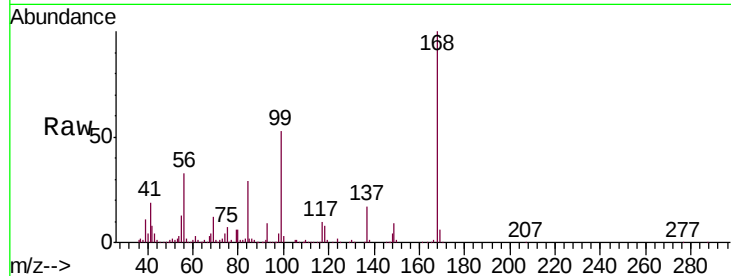
#31
Cyclohexane
Concen: 20.334 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.1	28.2	42.4
84	85.5	74.1	111.1

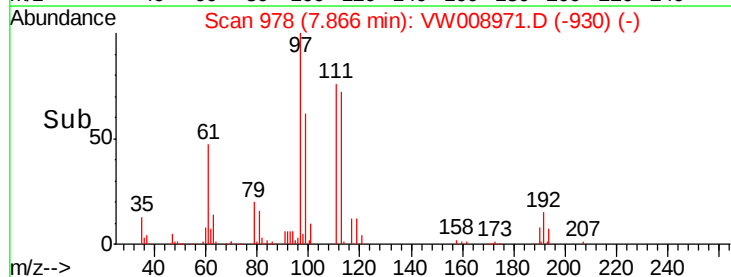
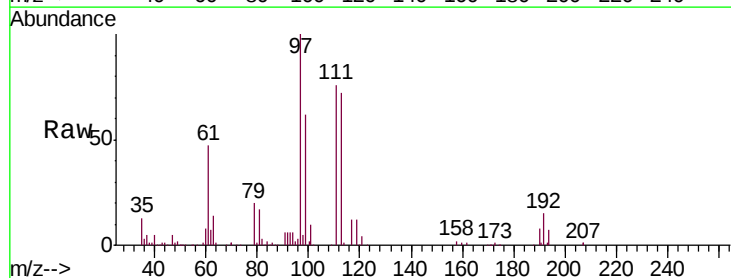
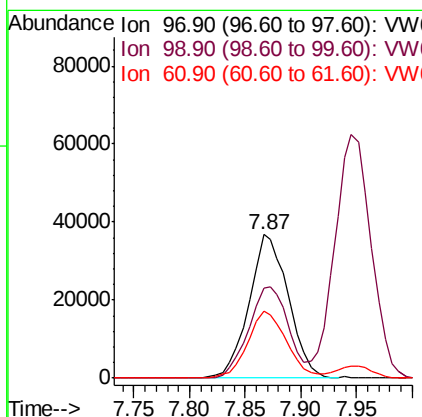
Manual Integrations
APPROVED

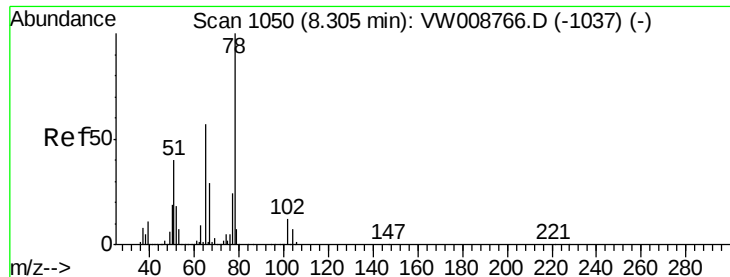
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3/8/2019 10:53:58 AM



#32
1,1,1-Trichloroethane
Concen: 22.008 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	46.1	36.0	54.0





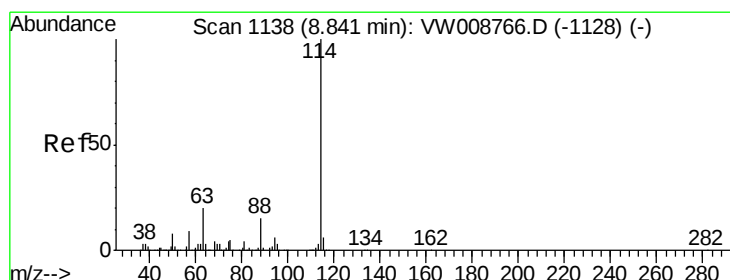
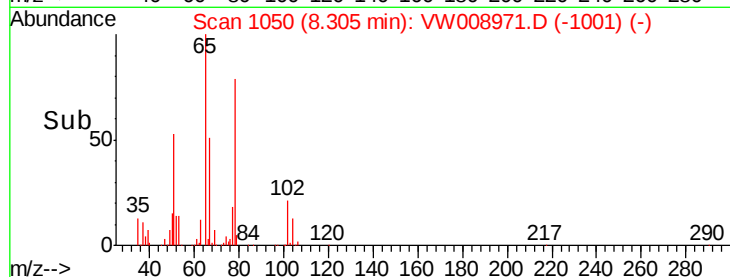
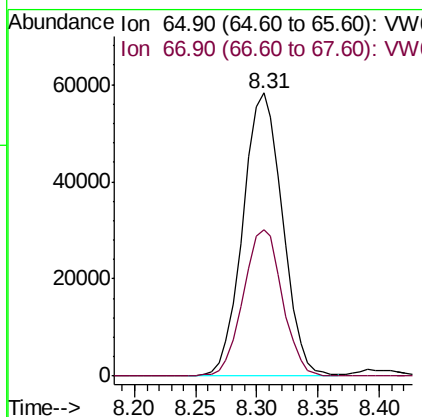
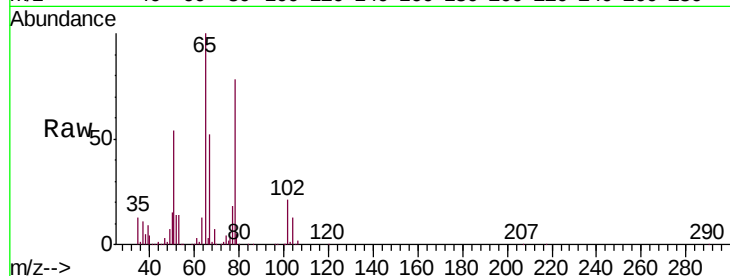
#33
 1,2-Dichloroethane-d4
 Concen: 55.663 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	131333		
67	51.0	0.0	101.4	

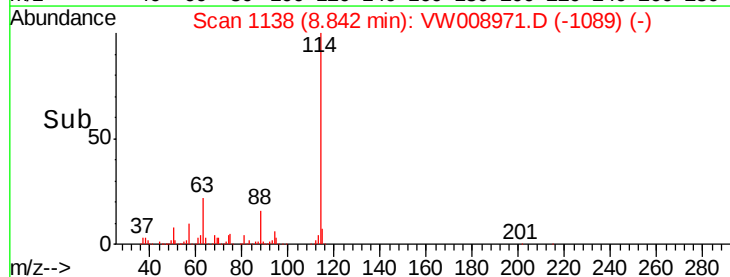
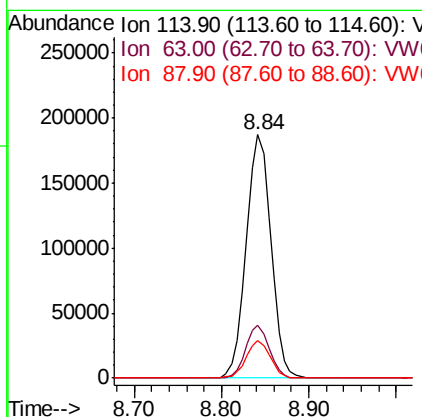
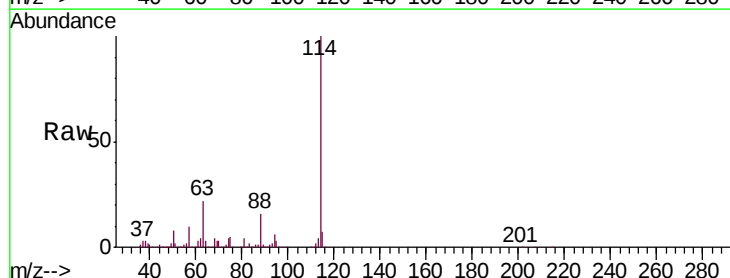
Manual Integrations
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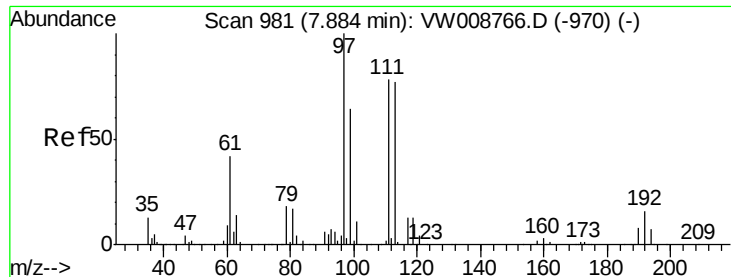
MMDadoda
 3/8/2019 10:53:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367420		
63	21.6	0.0	40.8	
88	15.6	0.0	30.4	





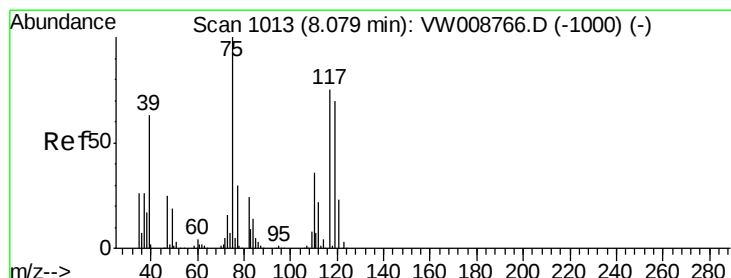
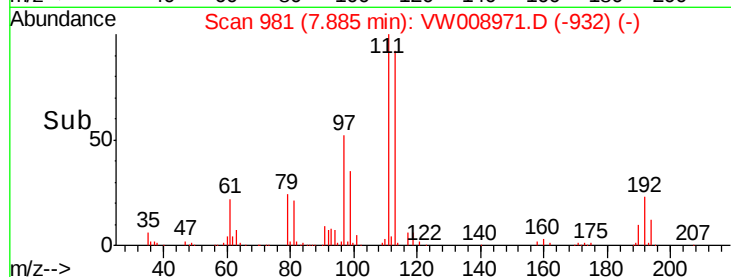
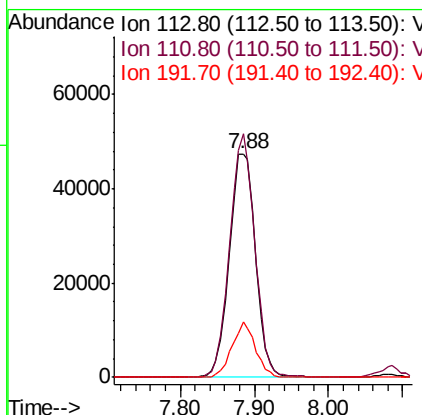
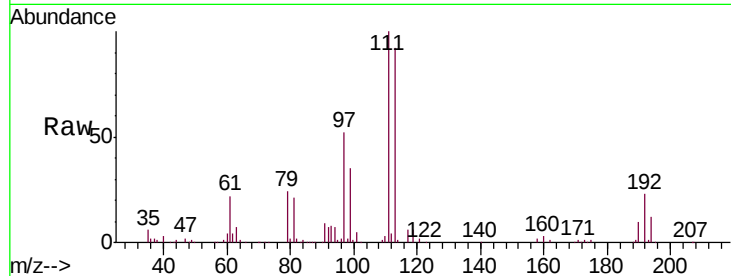
#35
 Dibromofluoromethane
 Concen: 53.267 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	117508		
111	103.6	81.9	122.9	
192	22.0	17.1	25.7	

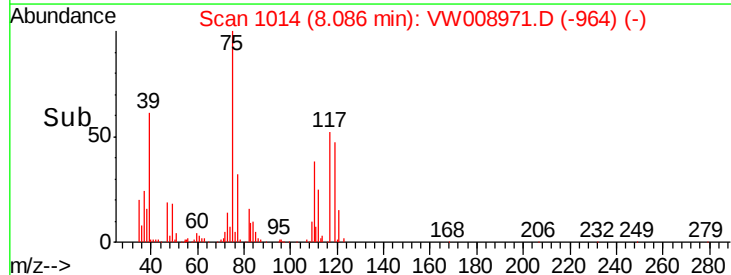
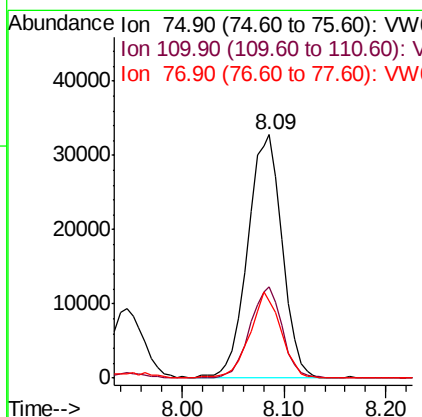
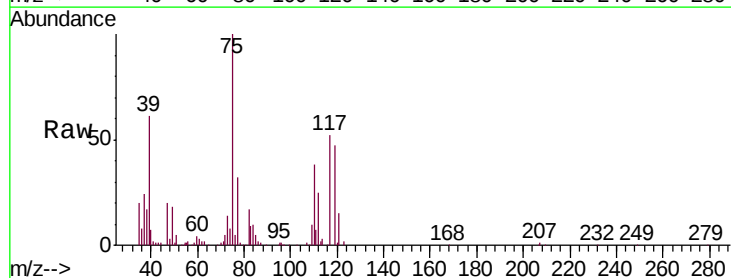
Manual Integrations
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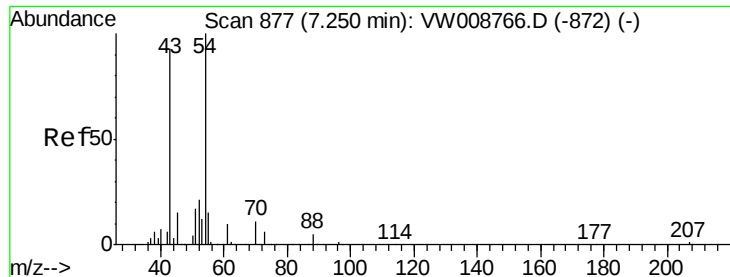
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#36
 1,1-Dichloropropene
 Concen: 21.588 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77212		
110	35.1	17.5	52.6	
77	32.2	24.5	36.7	





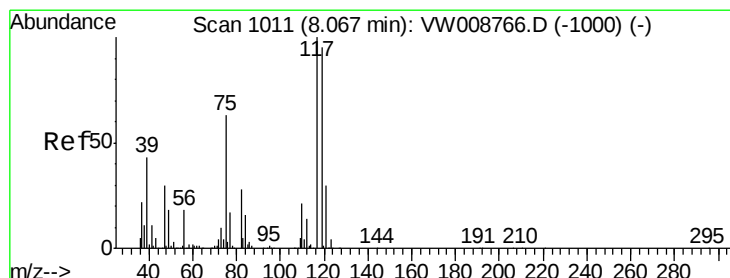
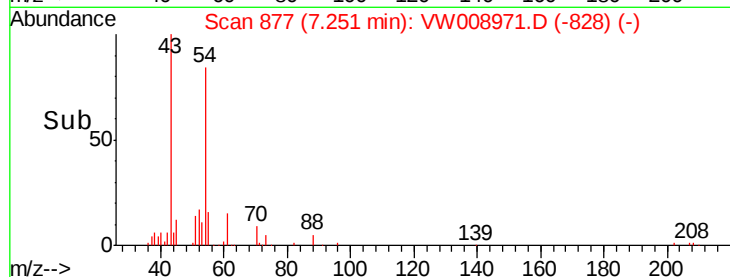
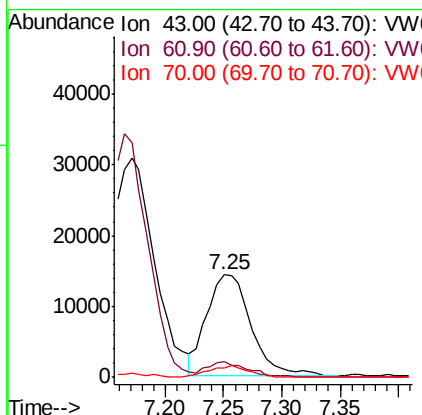
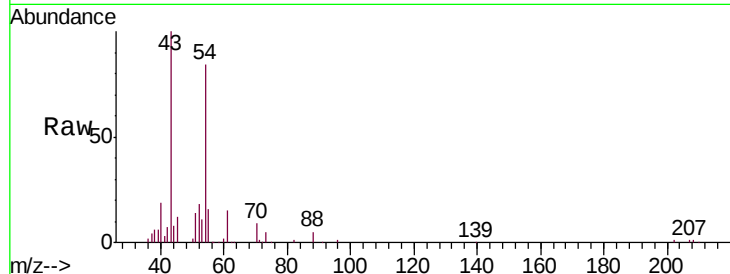
#37
Ethyl Acetate
Concen: 22.519 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.4	9.8	14.8
70	10.8	8.4	12.6

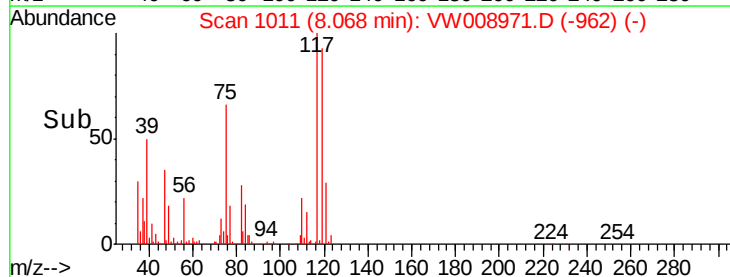
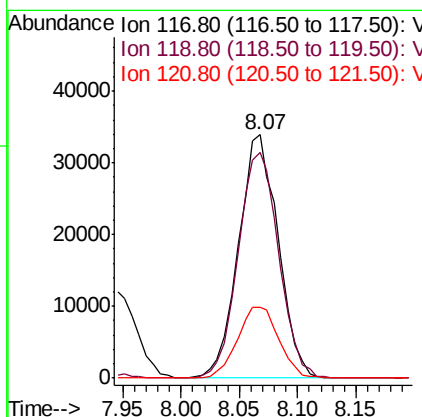
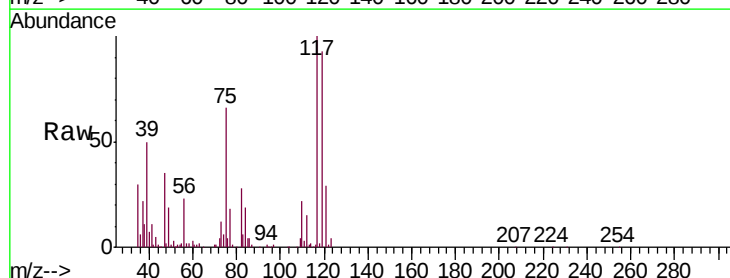
Manual Integrations
APPROVED

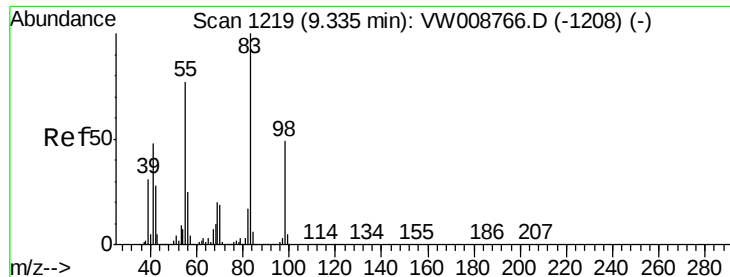
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#38
Carbon Tetrachloride
Concen: 21.343 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.1	114.1
121	29.0	24.0	36.0





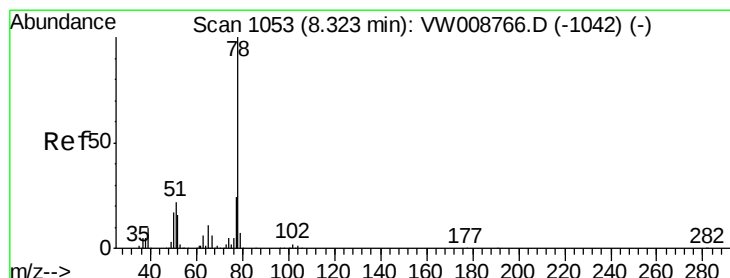
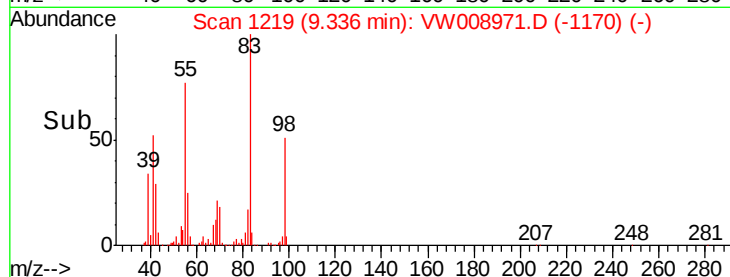
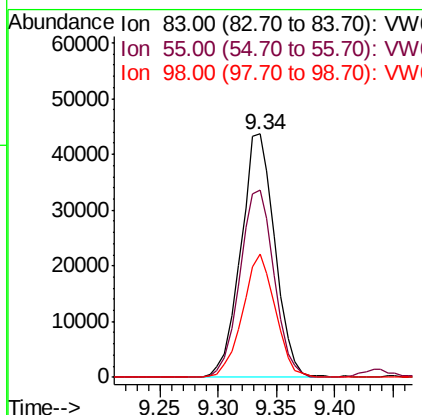
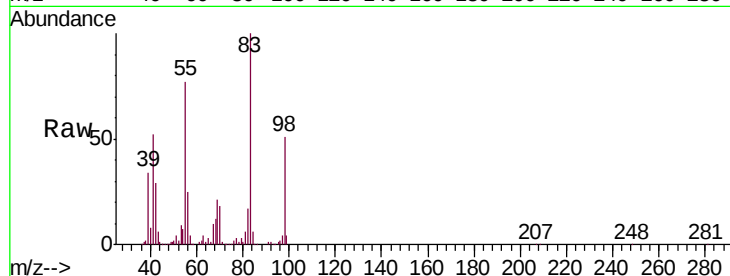
#39
Methylcyclohexane
Concen: 19.972 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.2	91.8
98	50.6	39.4	59.2

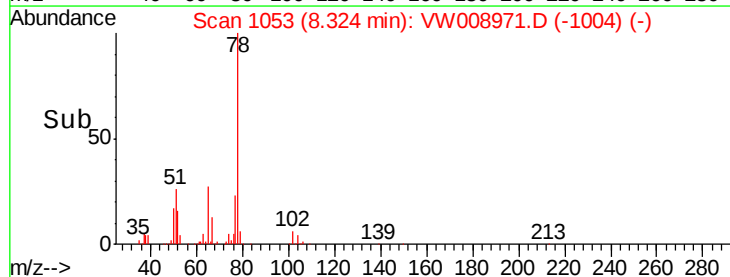
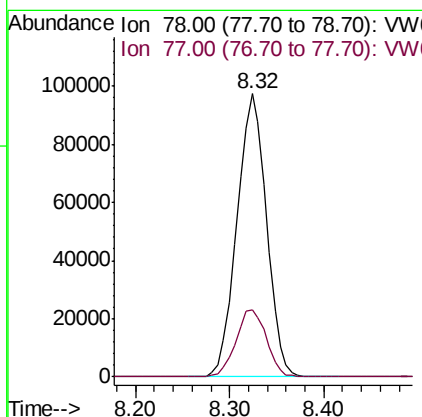
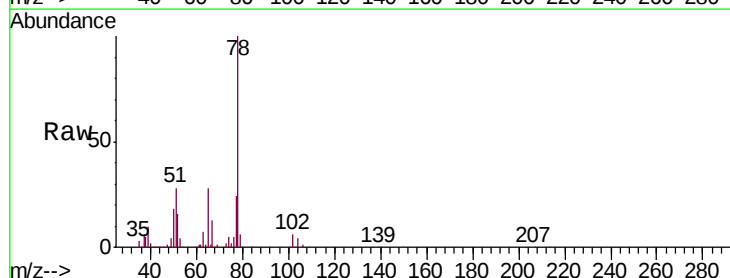
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#40
Benzene
Concen: 21.711 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





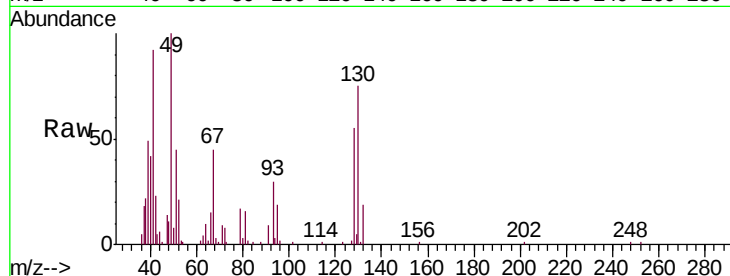
#41
Methacrylonitrile
Concen: 21.236 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

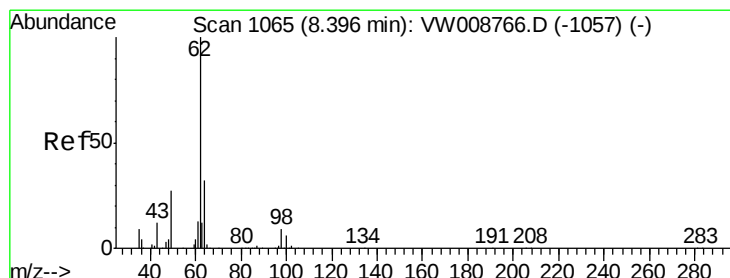
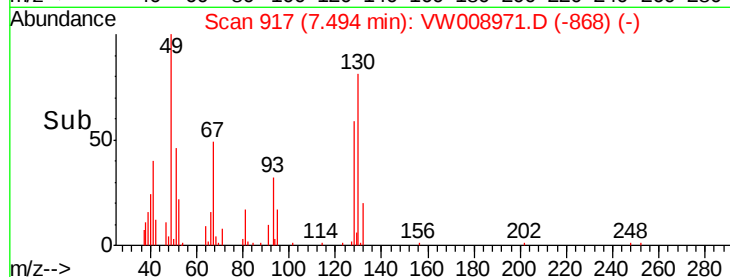
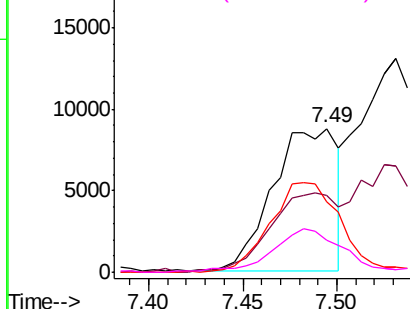
Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.9	52.5	78.7
67	69.8	55.0	82.6
52	33.5	26.9	40.3

Manual Integrations
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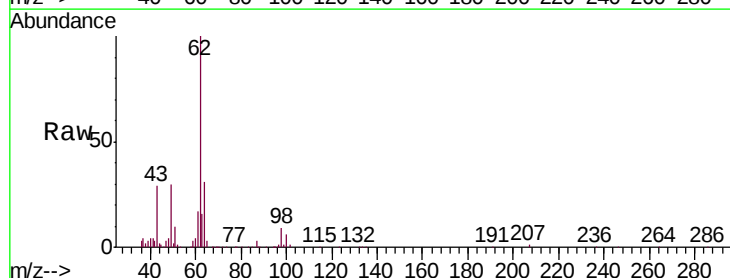


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

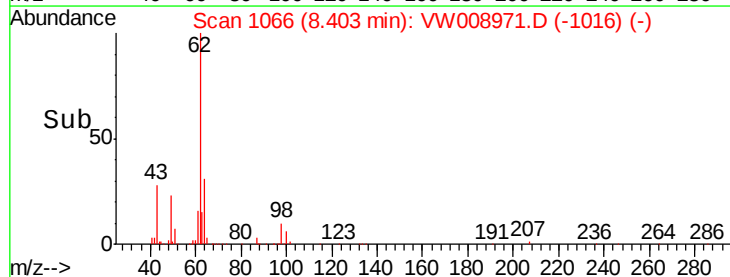
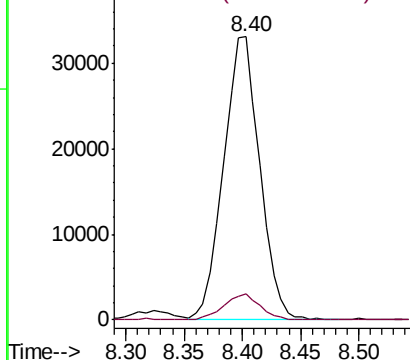


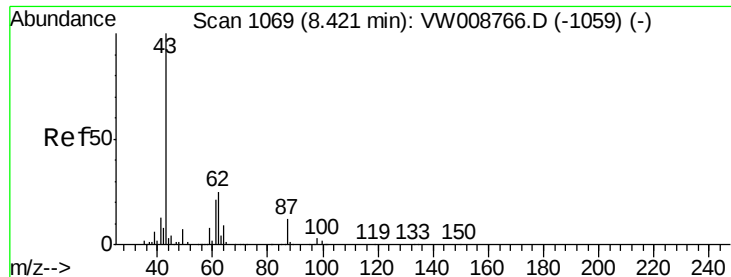
#42
1,2-Dichloroethane
Concen: 23.135 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.151 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

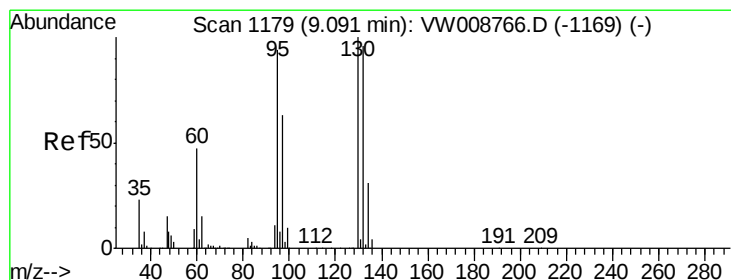
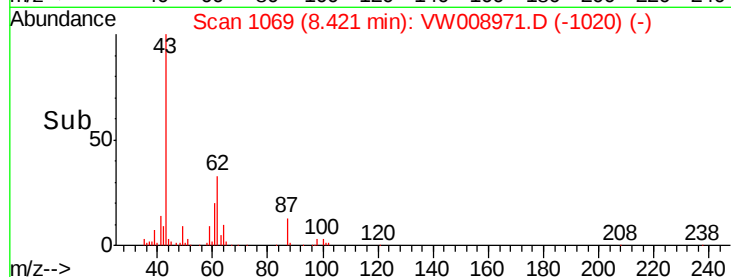
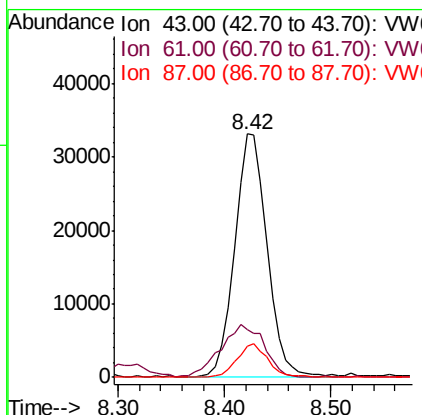
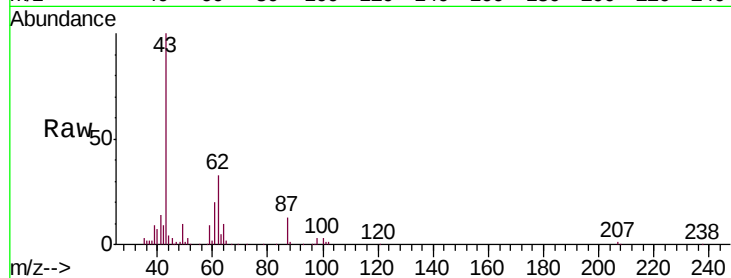
ClientSampleId :

VW0305SBS01

Tgt Ion:	43	Resp:	70210
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.2	34.8
87	13.2	9.9	14.9

Manual Integrations
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3/8/2019 10:53:58 AM



#44

Trichloroethene

Concen: 21.174 ug/l

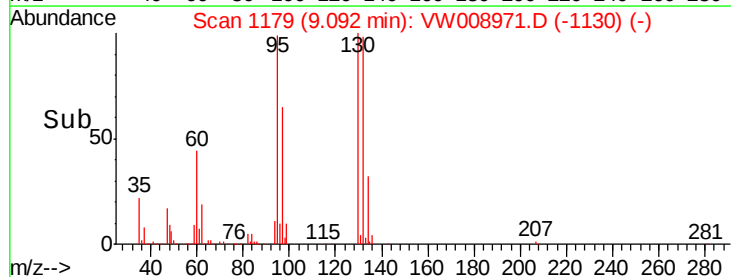
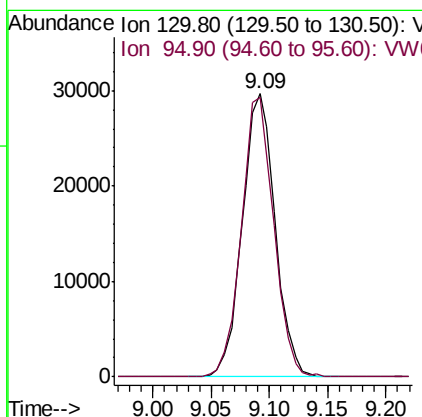
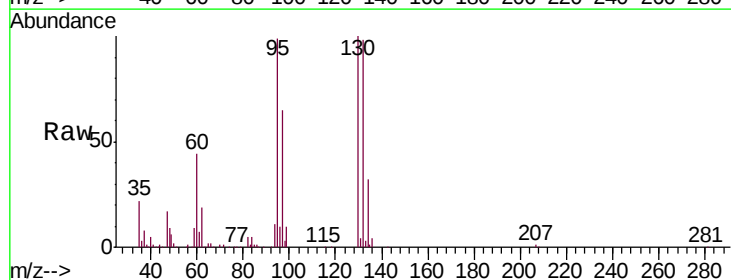
RT: 9.09 min Scan# 1179

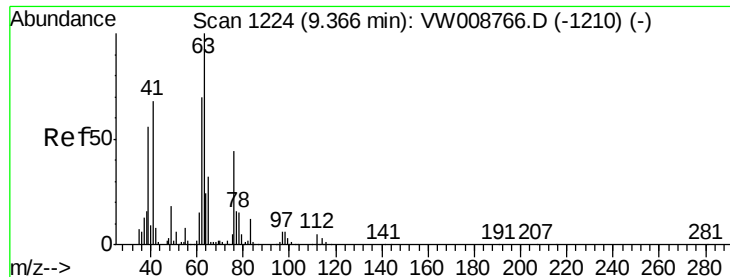
Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	130	Resp:	58249
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	188.6





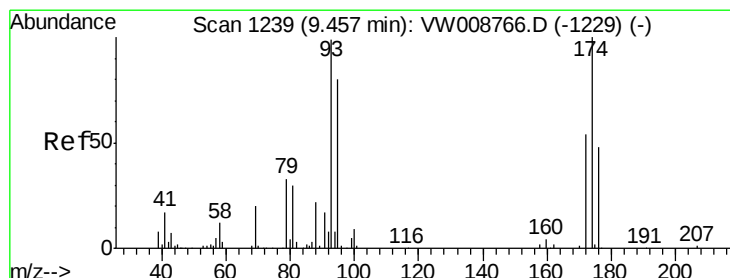
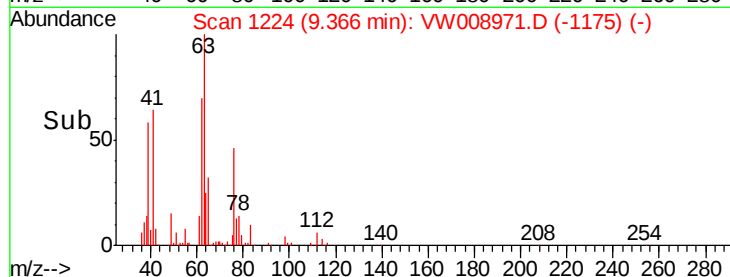
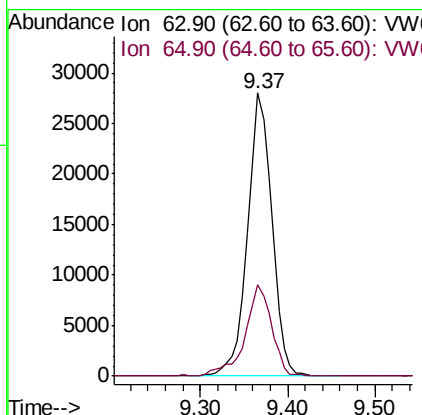
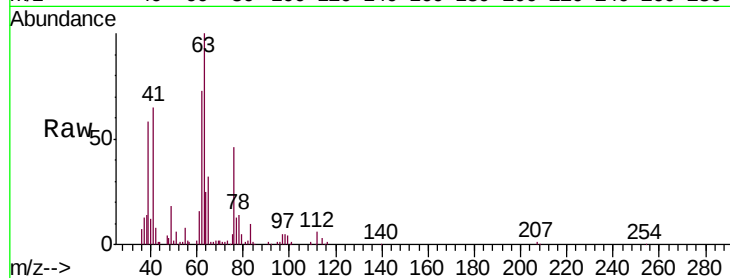
#45
 1,2-Dichloropropane
 Concen: 22.416 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3

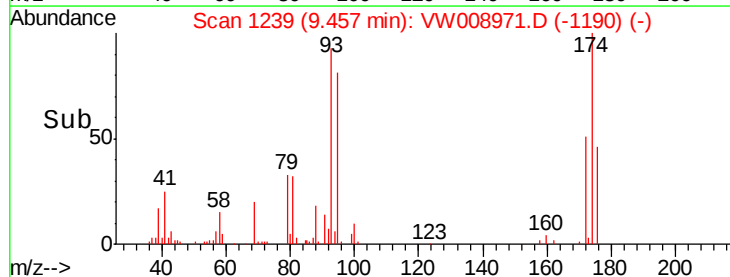
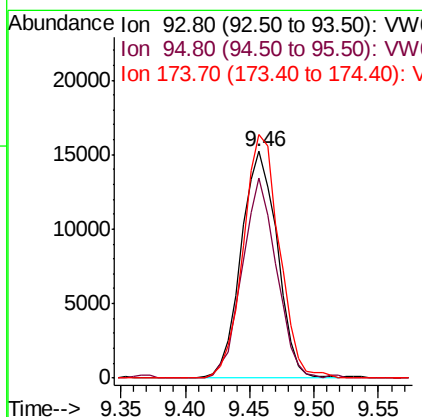
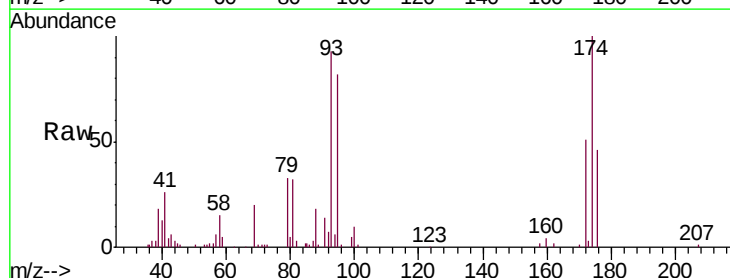
Manual Integrations
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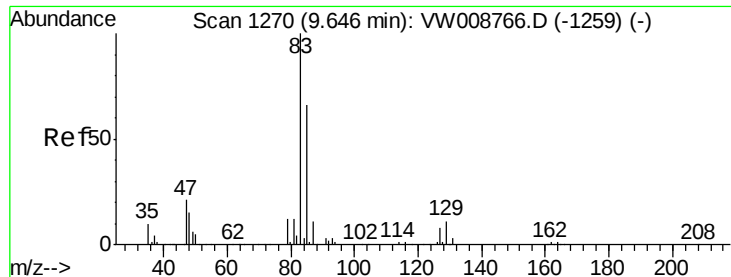
MMDadoda
 3/8/2019 10:53:58 AM



#46
 Dibromomethane
 Concen: 21.963 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.7	101.5
174	107.2	86.7	130.1





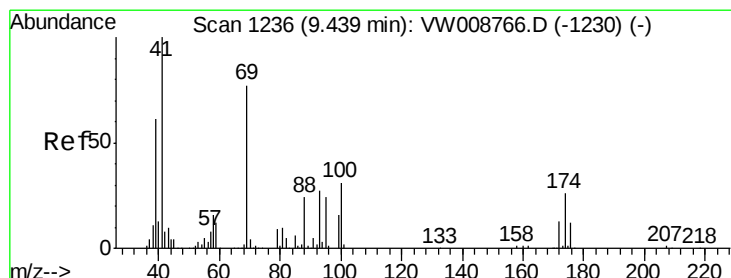
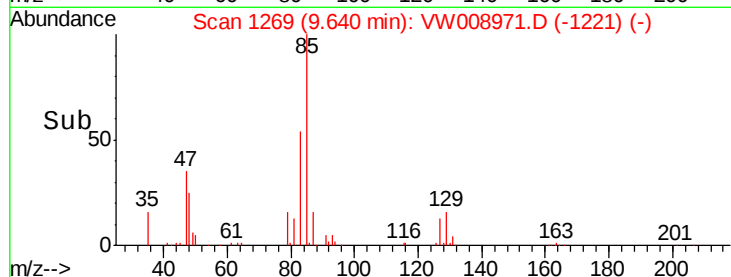
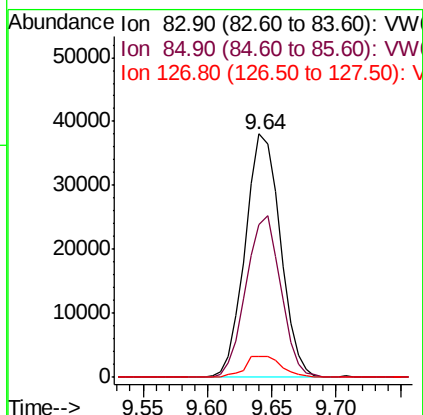
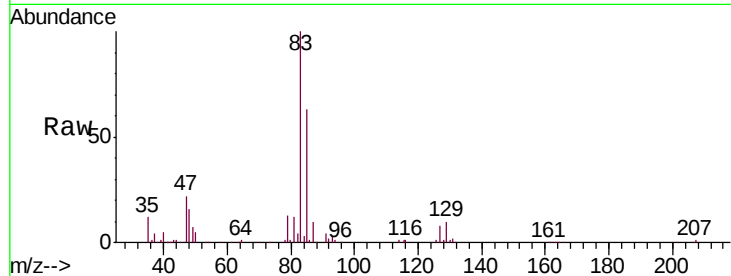
#47
Bromodichloromethane
Concen: 22.065 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	8.4	6.7	10.1

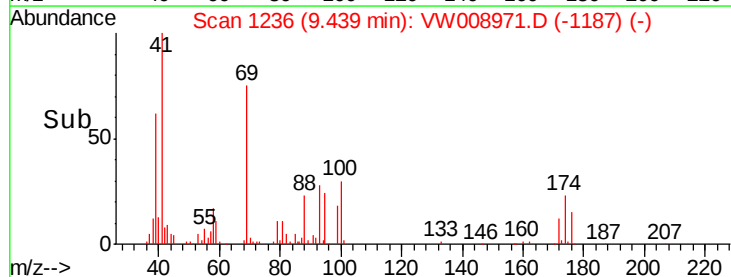
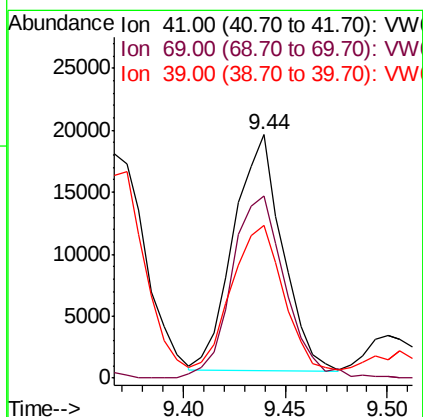
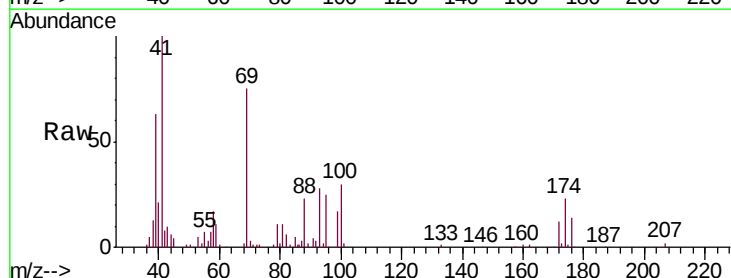
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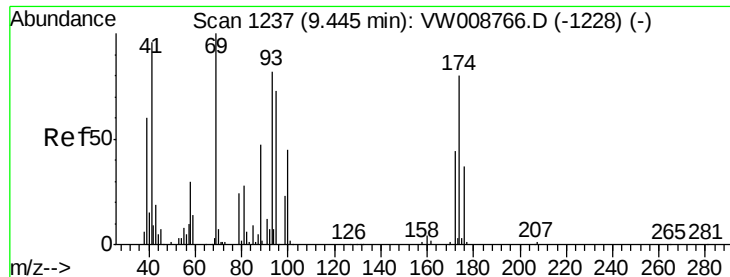
MMDadoda
3/8/2019 10:53:58 AM



#48
Methyl methacrylate
Concen: 19.883 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.0	63.6	95.4
39	71.3	52.1	78.1





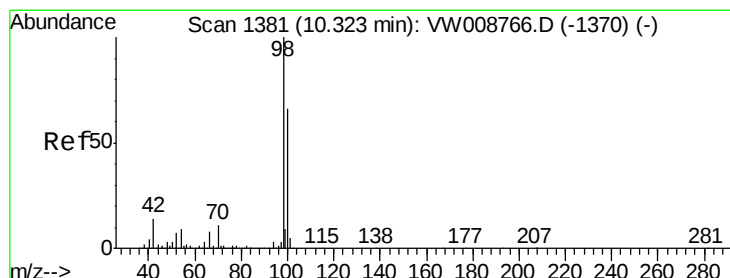
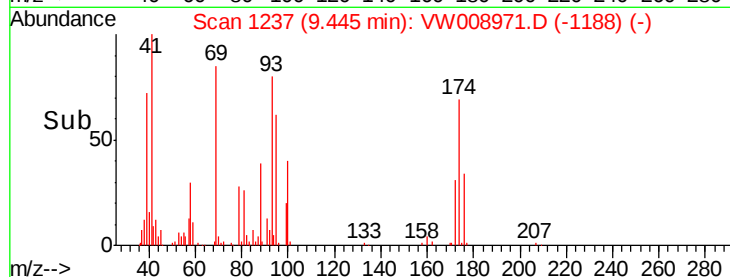
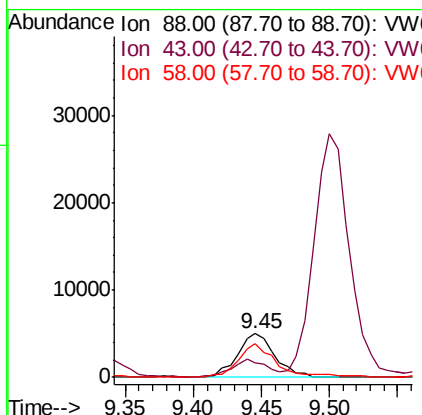
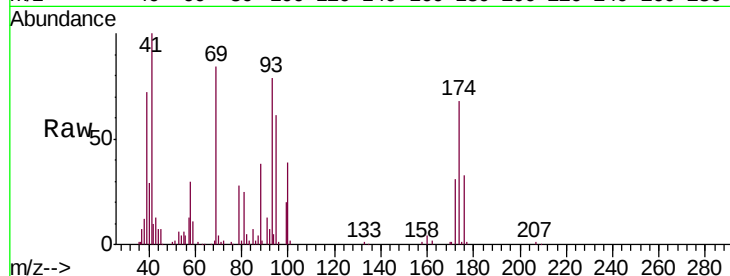
#49
1,4-Dioxane
Concen: 448.145 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.2	29.0	43.4
58	79.2	52.0	78.0

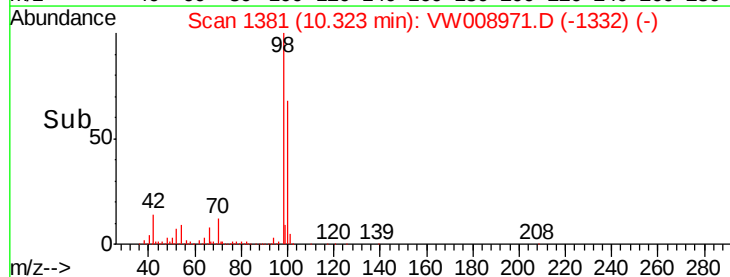
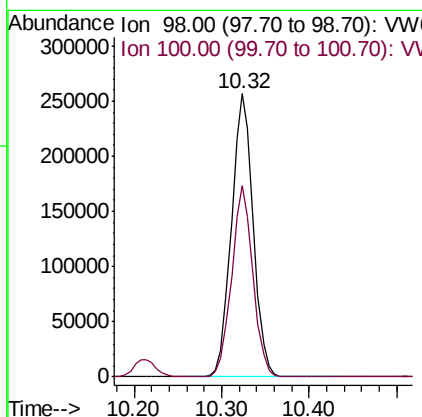
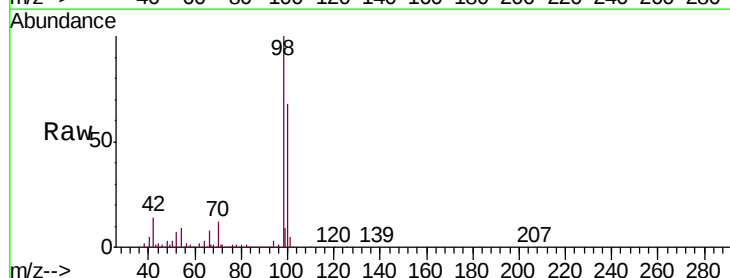
Manual Integrations
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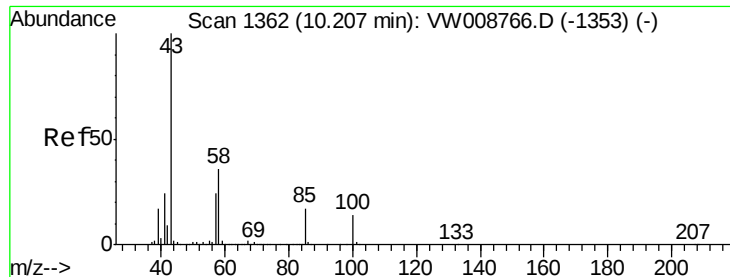
MMDadoda
3/8/2019 10:53:58 AM



#50
Toluene-d8
Concen: 52.077 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





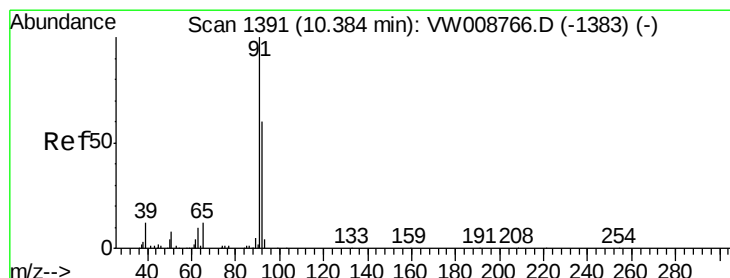
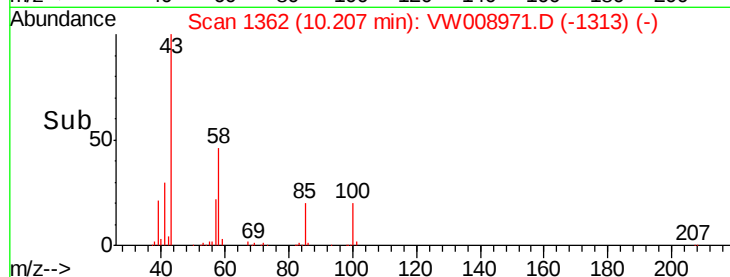
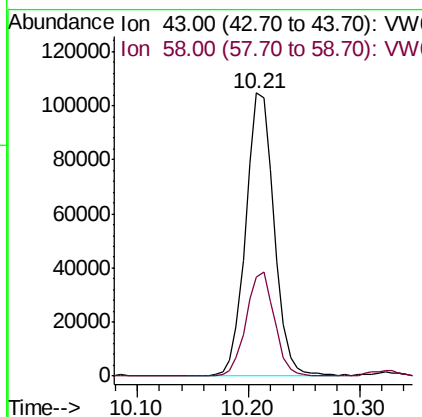
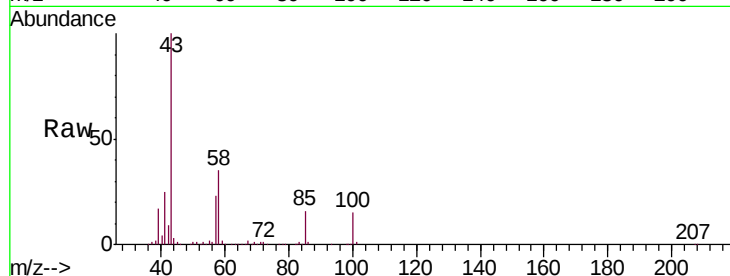
#51
4-Methyl-2-Pentanone
Concen: 110.315 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.1	43.7

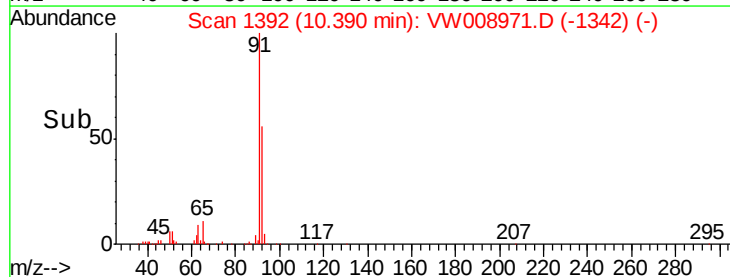
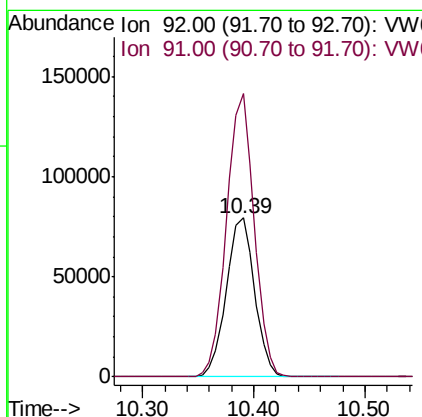
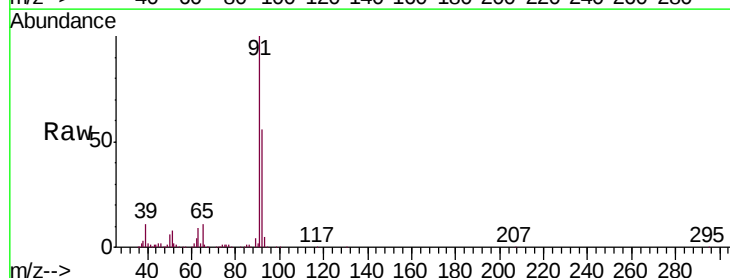
Manual Integrations
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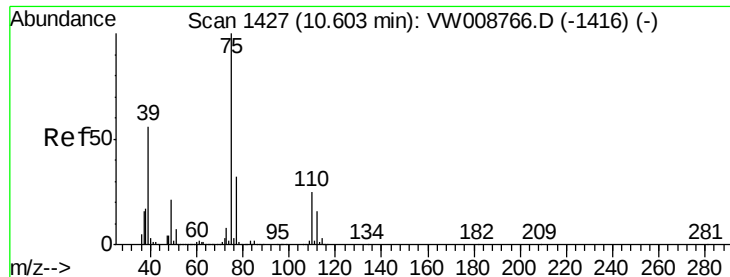
MMDadoda
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#52
Toluene
Concen: 21.115 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	136.9	205.3





#53

t-1,3-Dichloropropene

Concen: 21.448 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 75 Resp: 71394

Ion Ratio Lower Upper

75 100

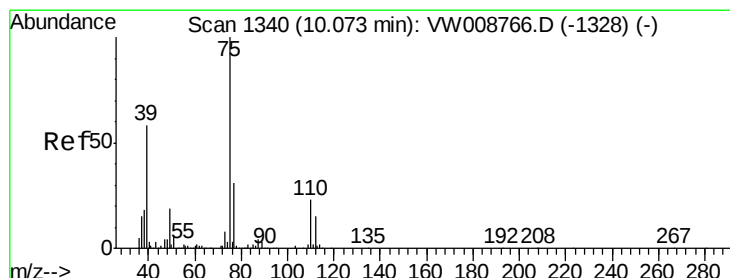
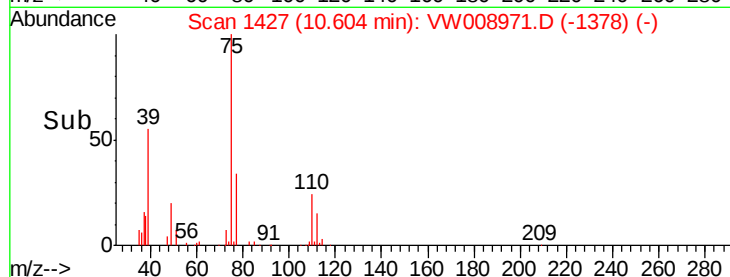
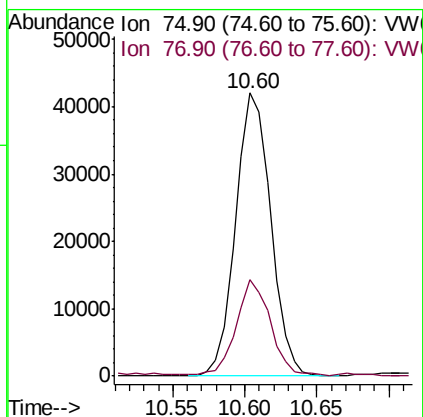
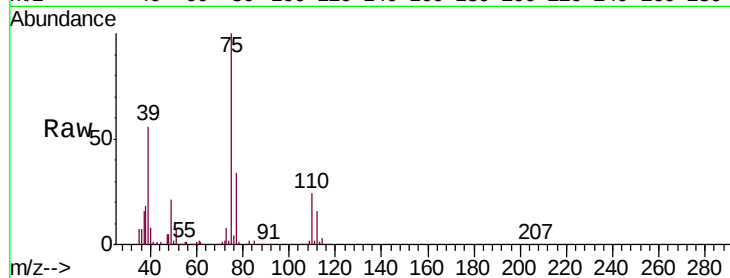
77 33.6 26.1 39.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.402 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

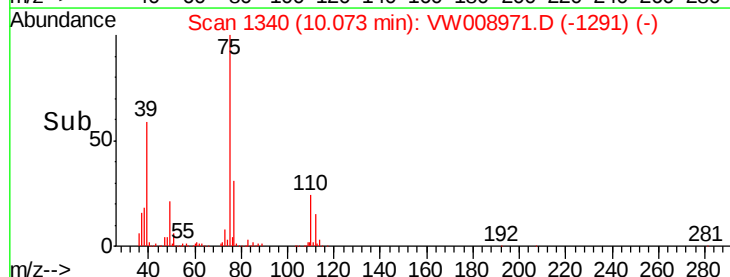
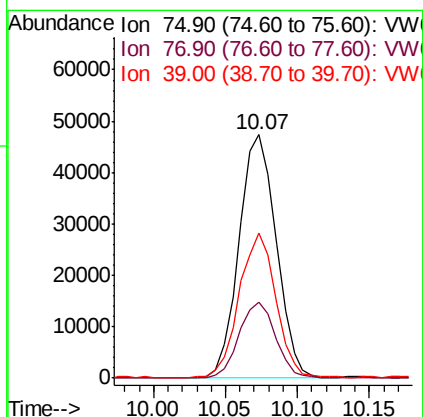
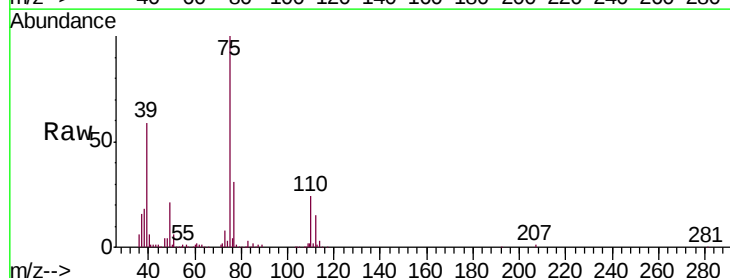
Tgt Ion: 75 Resp: 85049

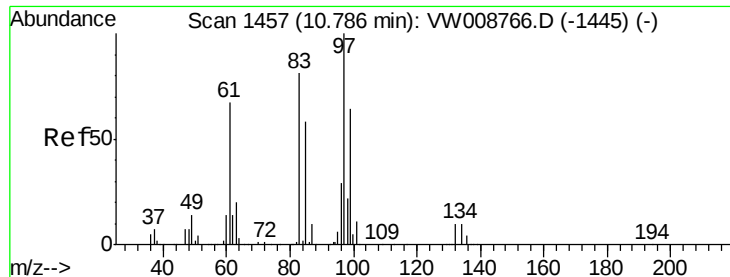
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 59.2 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 23.413 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

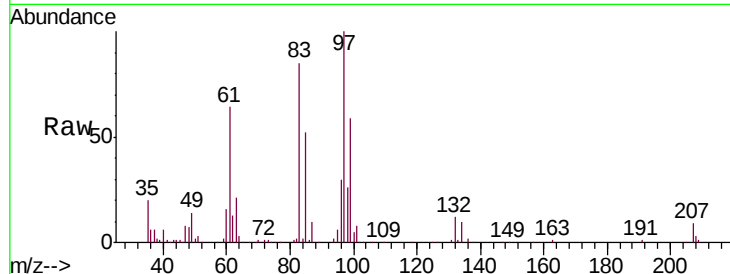
ClientSampleId :

VW0305SBS01

Tgt Ion:	97	Resp:	42619
Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.0	97.6
85	52.1	46.0	69.0
99	58.8	51.1	76.7

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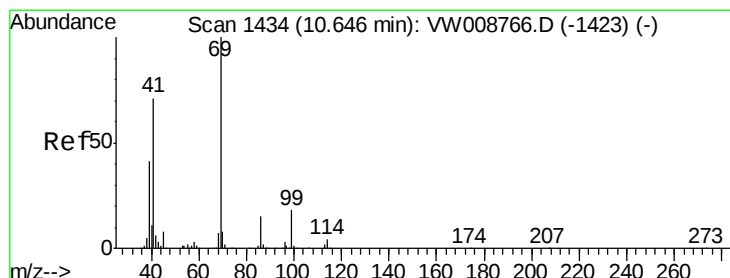
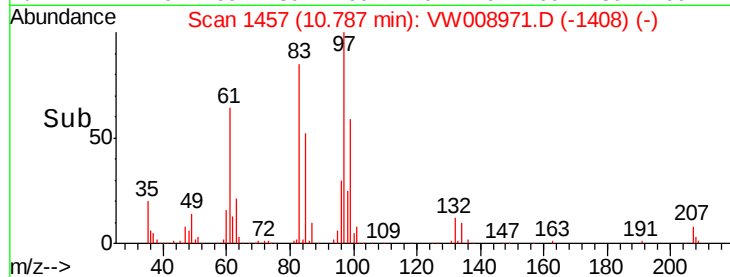
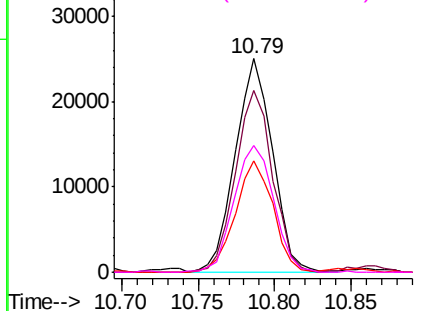
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.674 ug/l

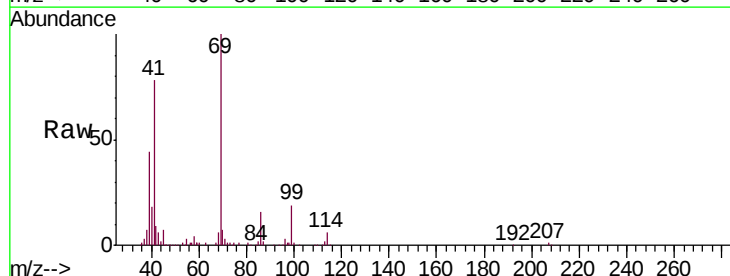
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	69	Resp:	48895
Ion	Ratio	Lower	Upper
69	100		
41	73.1	57.4	86.0
39	41.3	34.8	52.2

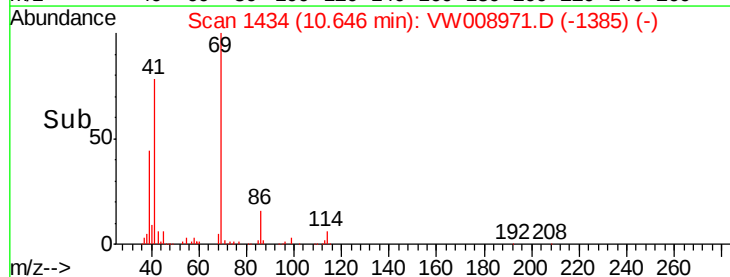
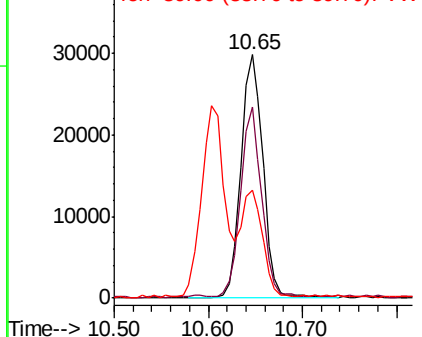


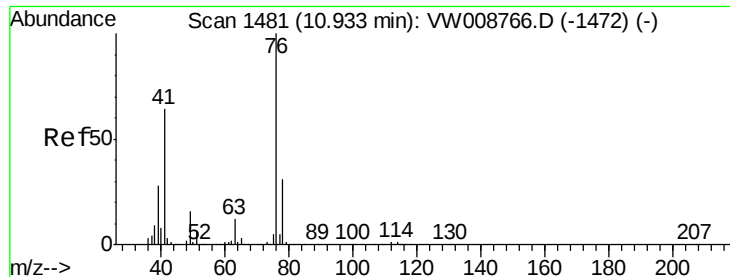
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





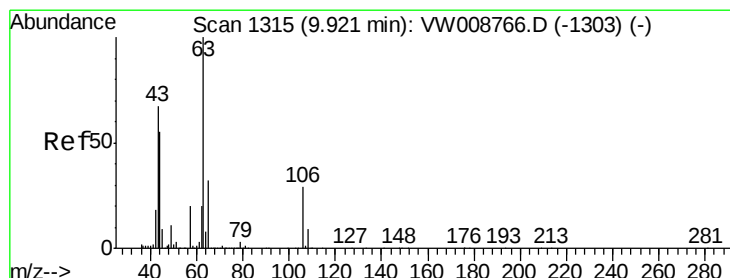
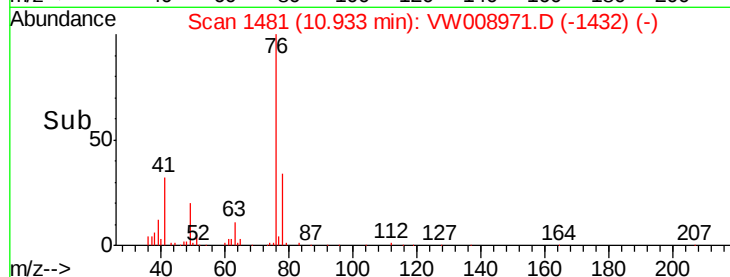
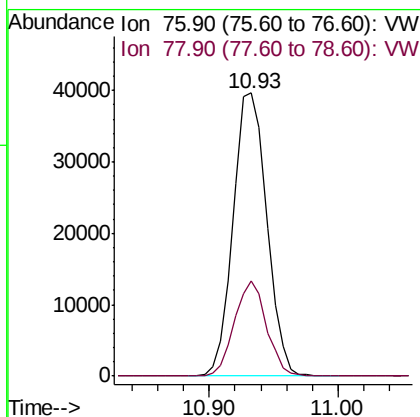
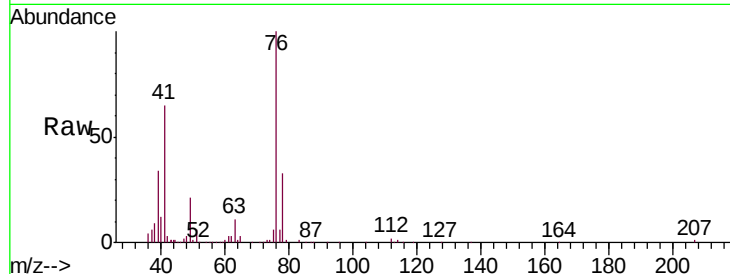
#57
 1,3-Dichloropropane
 Concen: 22.414 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion: 76 Resp: 72040
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

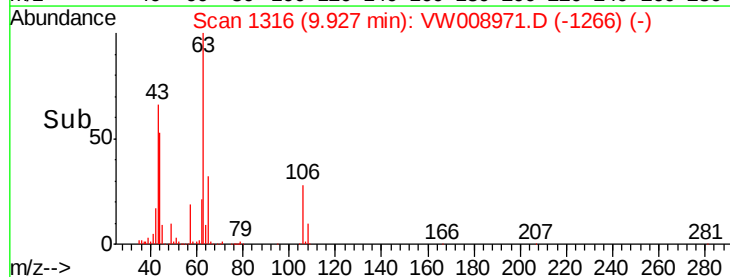
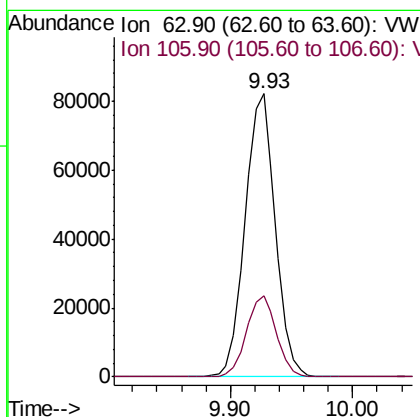
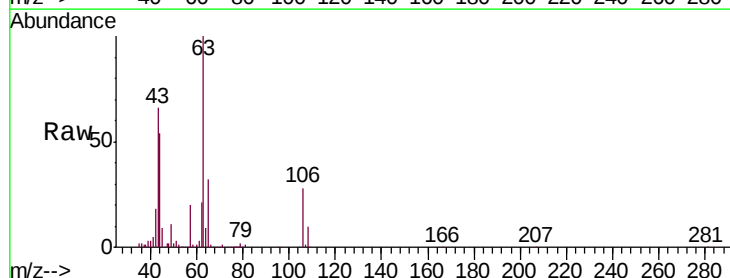
Manual Integrations
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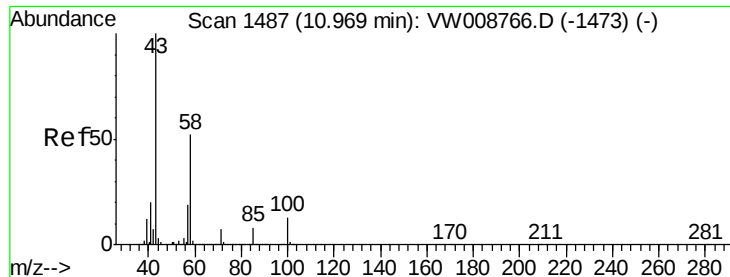
MMDadoda
 3/8/2019 10:53:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.358 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion: 63 Resp: 140783
 Ion Ratio Lower Upper
 63 100
 106 28.6 24.0 36.0





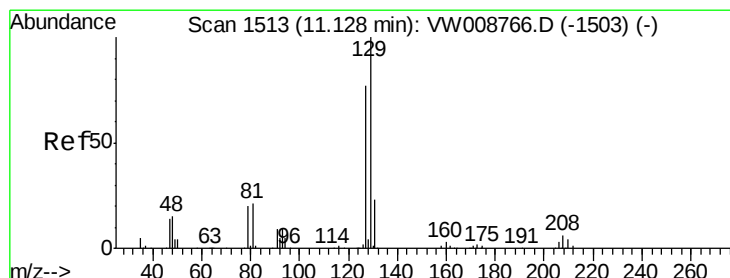
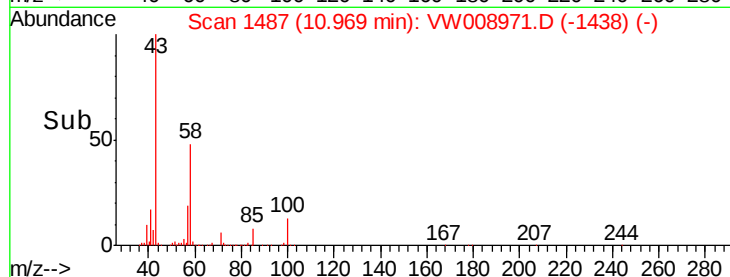
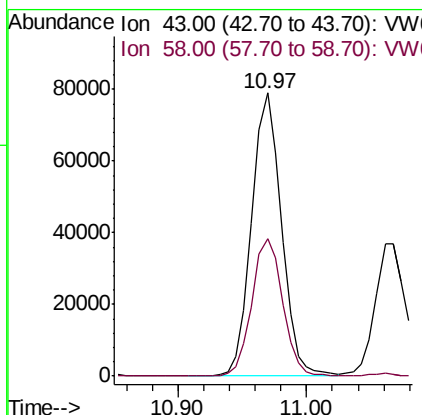
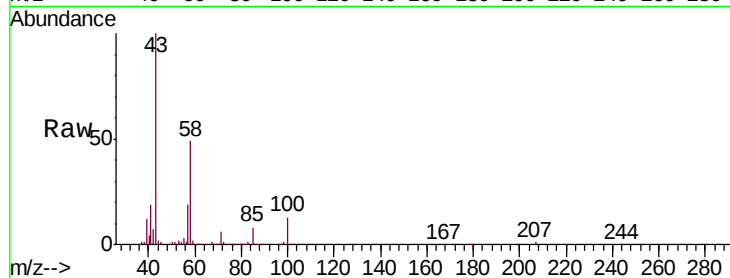
#59
2-Hexanone
Concen: 104.957 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS01

Tgt Ion: 43 Resp: 125911
Ion Ratio Lower Upper
43 100
58 50.4 25.3 75.8

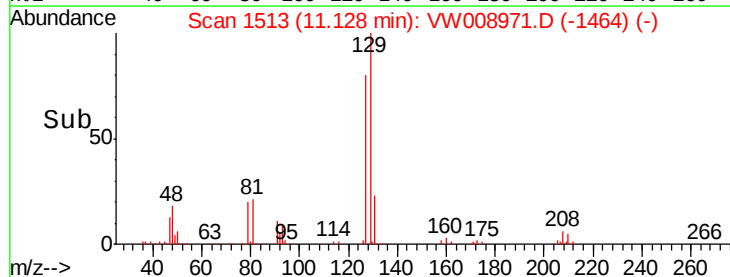
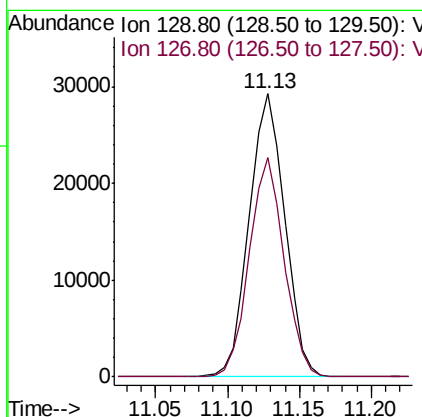
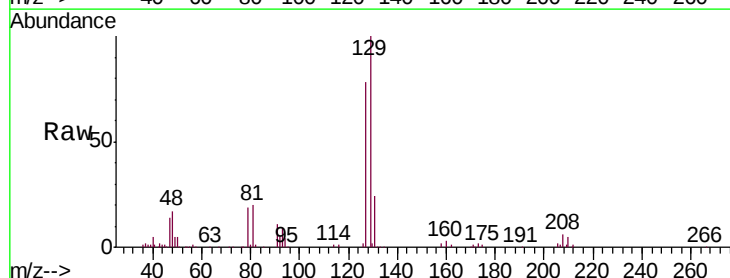
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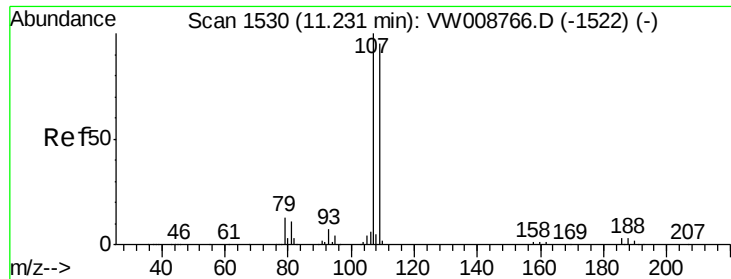
MMDadoda
3/8/2019 10:53:58 AM



#60
Dibromochloromethane
Concen: 22.533 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion: 129 Resp: 50030
Ion Ratio Lower Upper
129 100
127 75.6 39.0 116.9





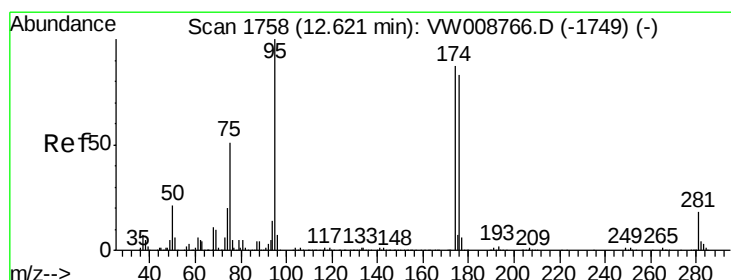
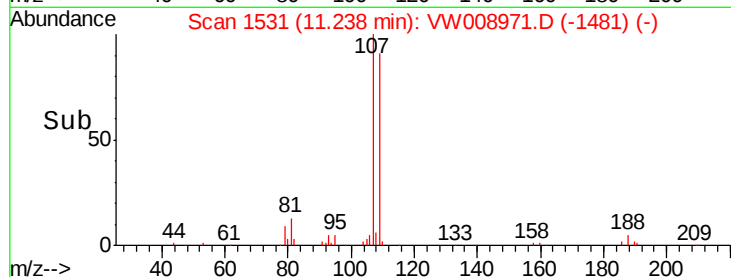
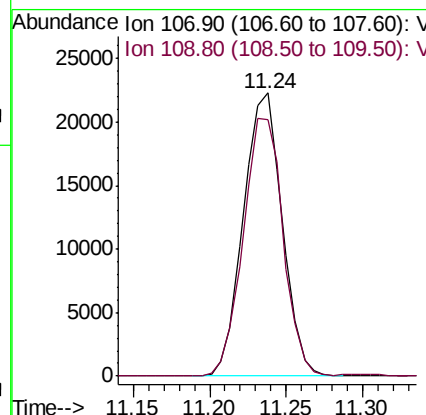
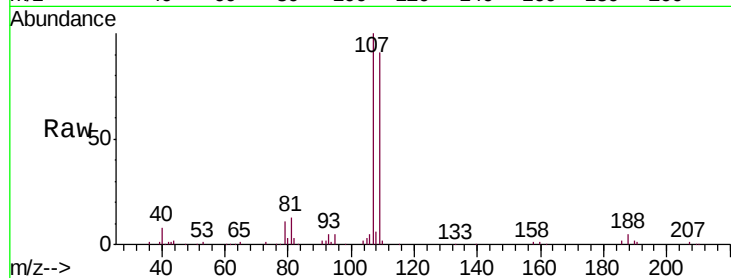
#61
1,2-Dibromoethane
Concen: 21.812 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS01

Tgt Ion: 107 Resp: 39302
Ion Ratio Lower Upper
107 100
109 93.6 75.6 113.4

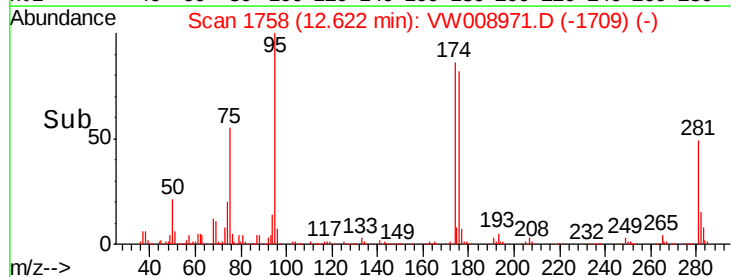
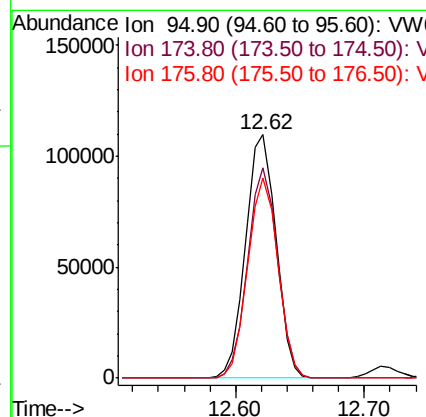
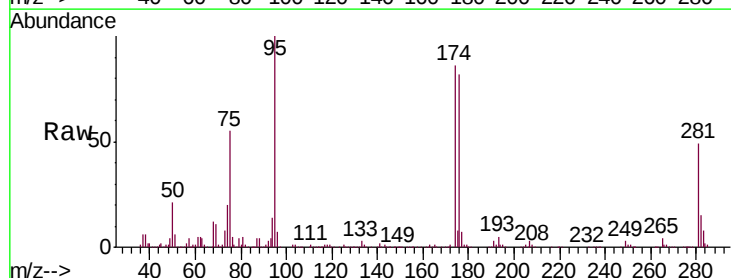
Manual Integrations
APPROVED

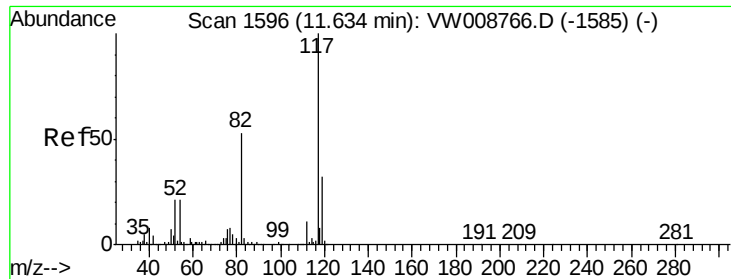
MMDadoda
3/8/2019 10:53:58 AM



#62
4-Bromofluorobenzene
Concen: 53.792 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion: 95 Resp: 179360
Ion Ratio Lower Upper
95 100
174 84.3 0.0 169.2
176 81.2 0.0 163.6





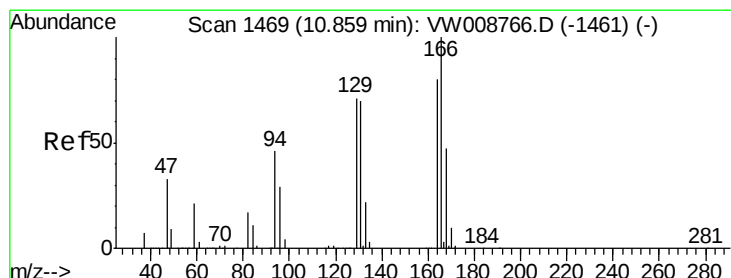
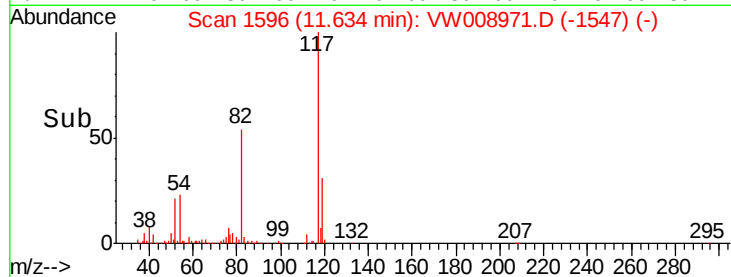
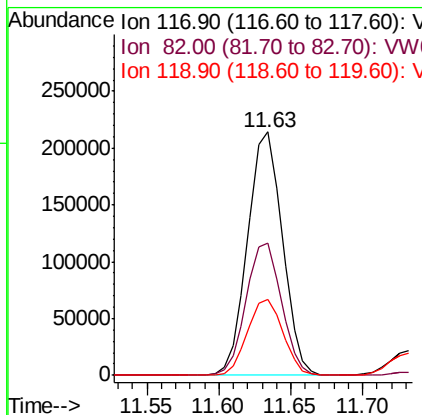
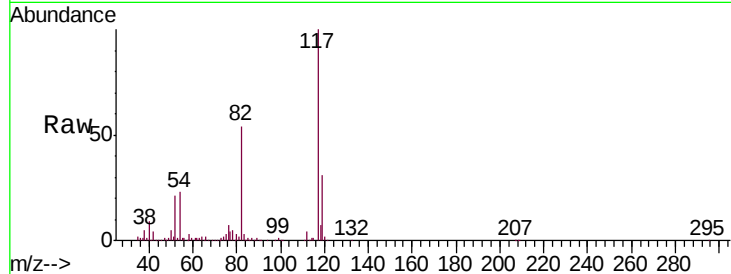
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	358972		
82	54.3	42.2	63.4	
119	31.2	25.9	38.9	

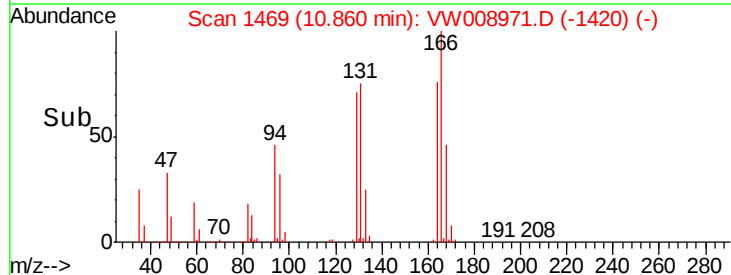
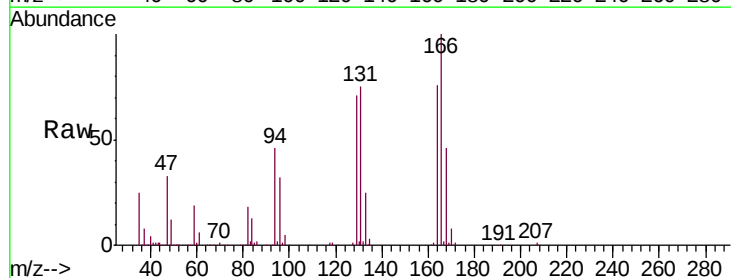
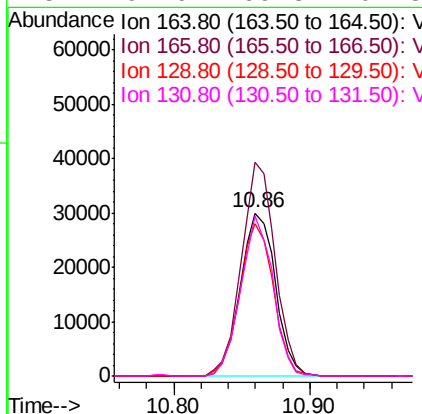
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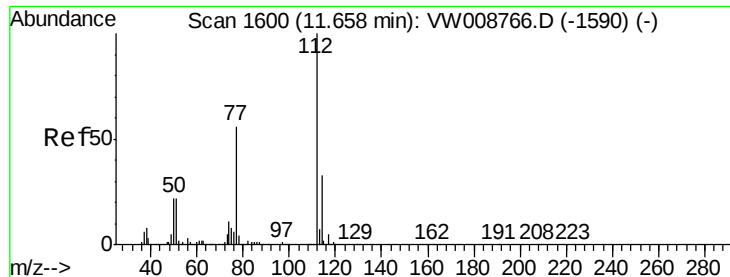
MMDadoda
3/8/2019 10:53:58 AM



#64
Tetrachloroethene
Concen: 21.019 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54011		
166	131.1	99.5	149.3	
129	93.2	71.1	106.7	
131	97.9	69.8	104.8	





#65

Chlorobenzene

Concen: 20.923 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampled :

VW0305SBS01

Tgt Ion:112 Resp: 157932

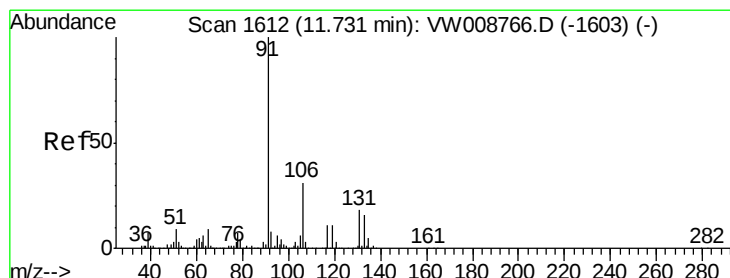
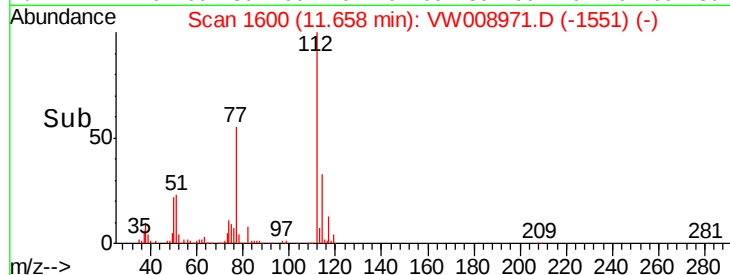
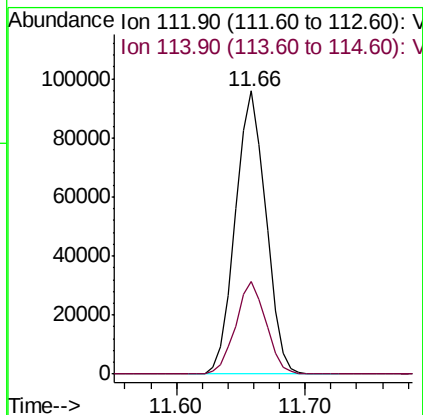
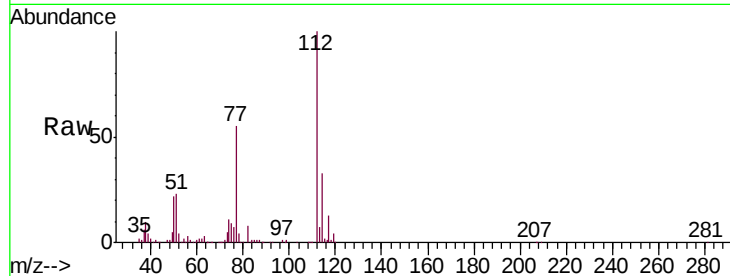
Ion Ratio Lower Upper

112 100

114 32.5 26.6 40.0

Manual Integrations
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3/8/2019 10:53:58 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.293 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

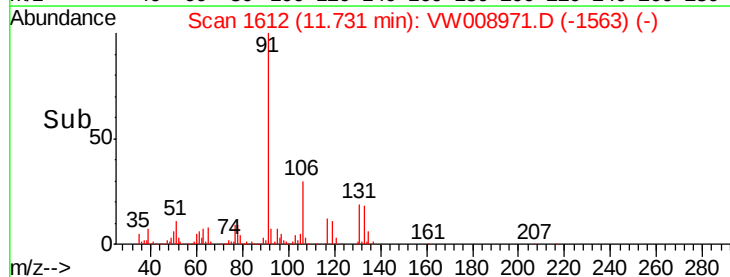
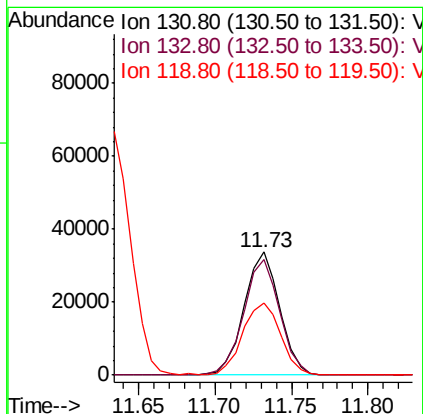
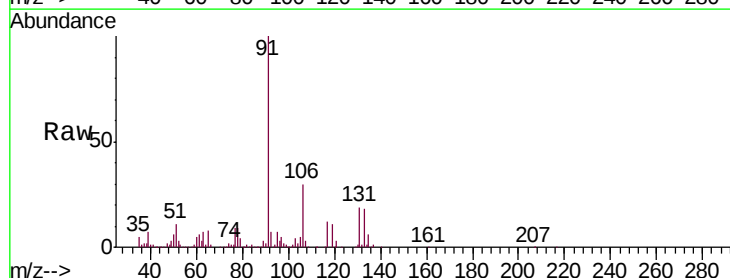
Tgt Ion:131 Resp: 54344

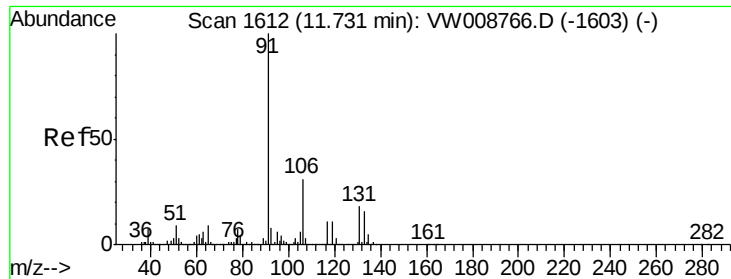
Ion Ratio Lower Upper

131 100

133 95.7 46.7 140.0

119 63.3 30.8 92.4





#67

Ethyl Benzene

Concen: 20.651 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 91 Resp: 278651

Ion Ratio Lower Upper

91 100

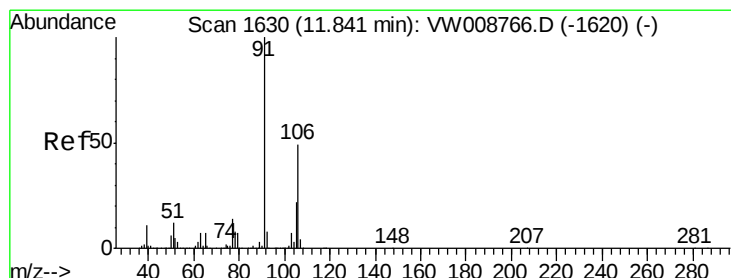
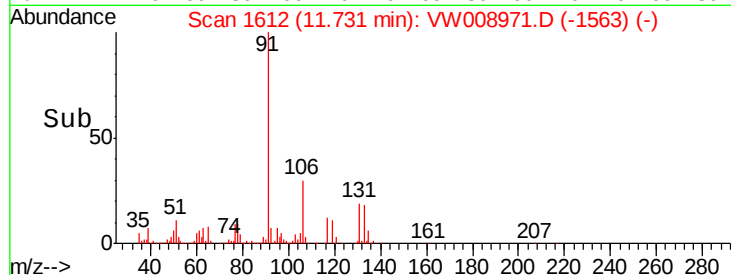
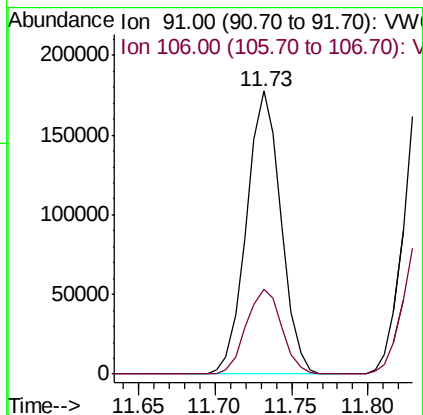
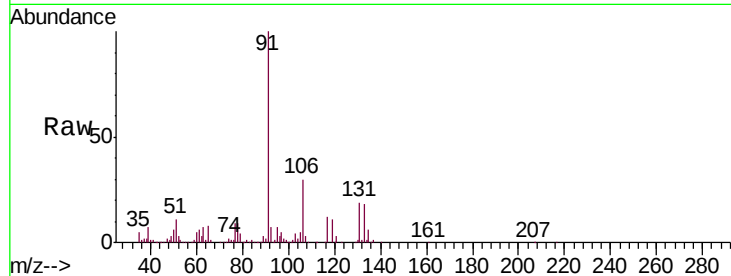
106 30.0 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.555 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008971.D

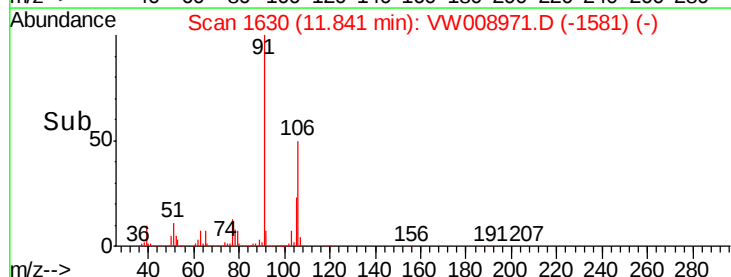
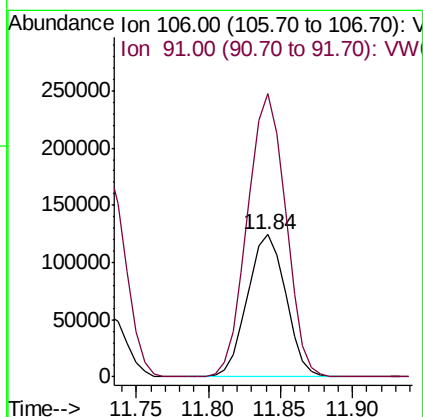
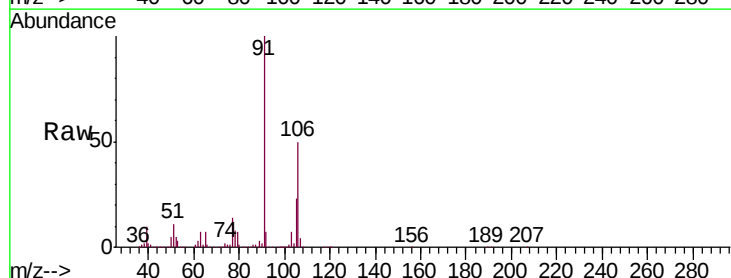
Acq: 04 Mar 2019 20:36

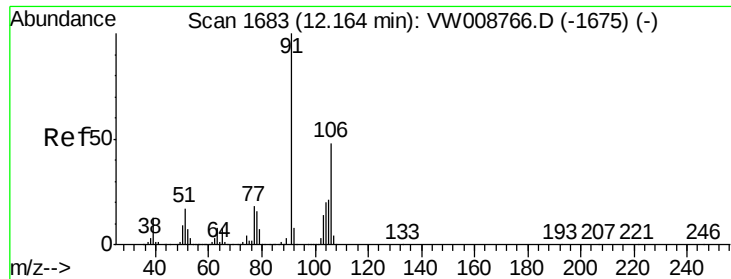
Tgt Ion: 106 Resp: 229428

Ion Ratio Lower Upper

106 100

91 199.1 161.5 242.3





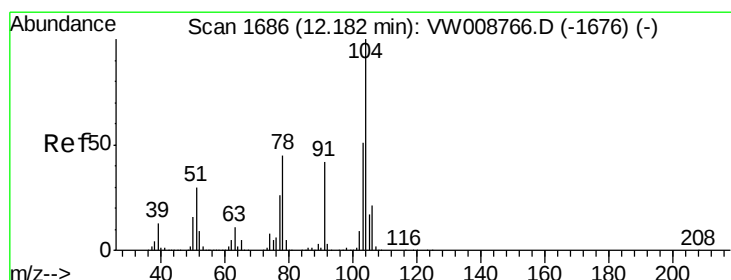
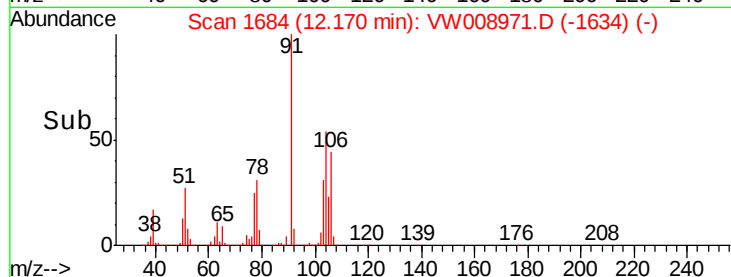
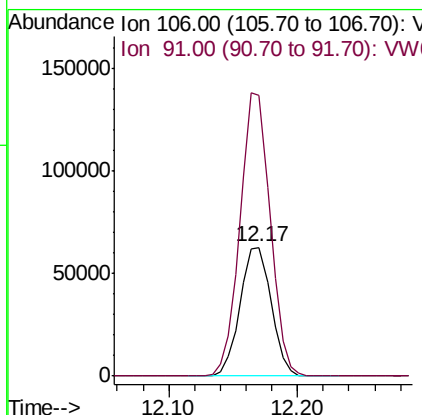
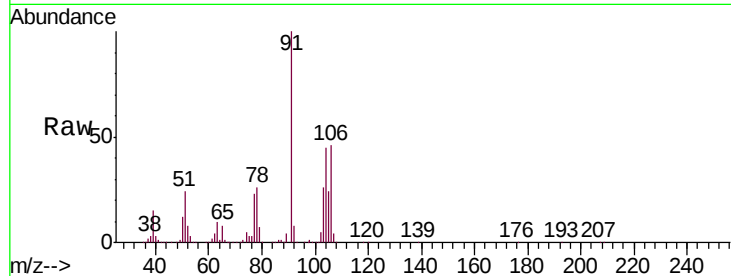
#69
o-Xylene
Concen: 20.779 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS01

Tgt Ion:106 Resp: 105150
Ion Ratio Lower Upper
106 100
91 213.8 106.2 318.6

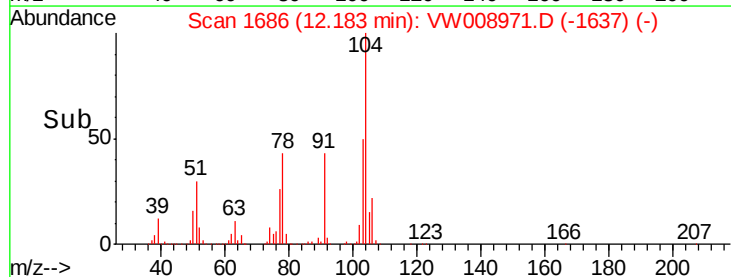
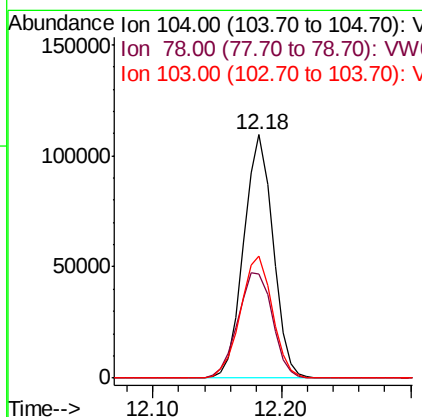
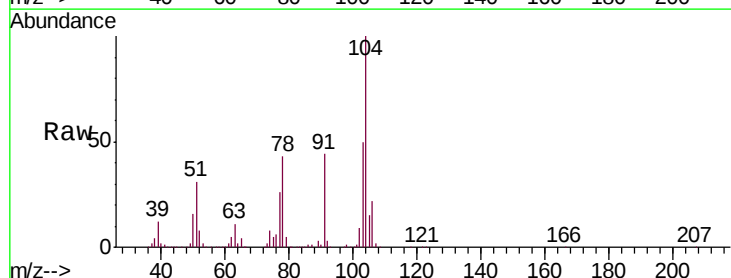
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3/8/2019 10:53:58 AM



#70
Styrene
Concen: 21.102 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion:104 Resp: 171796
Ion Ratio Lower Upper
104 100
78 51.5 40.8 61.2
103 55.1 44.2 66.2





#71

Bromoform

Concen: 21.094 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion:173 Resp: 28938

Ion Ratio Lower Upper

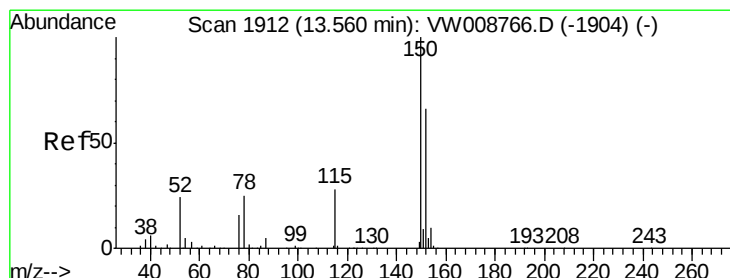
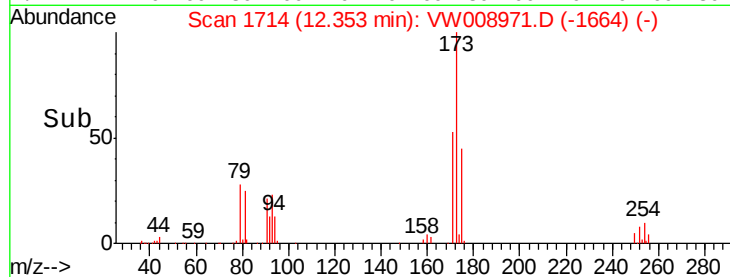
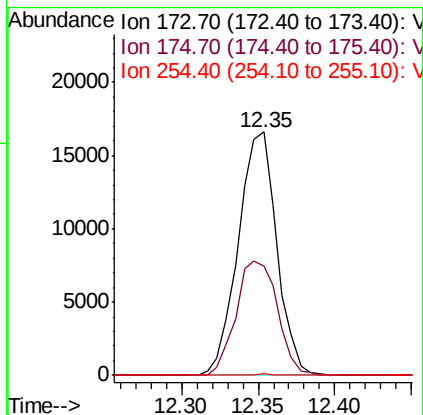
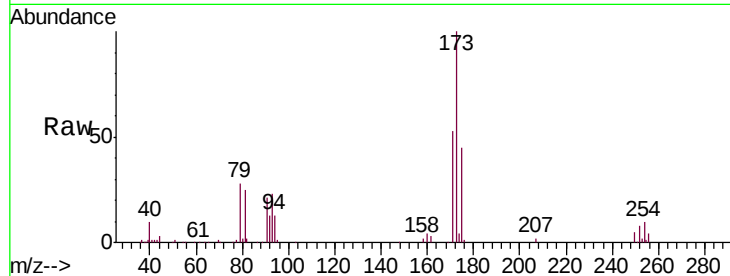
173 100

175 50.8 24.2 72.6

254 0.2 0.2 0.4

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

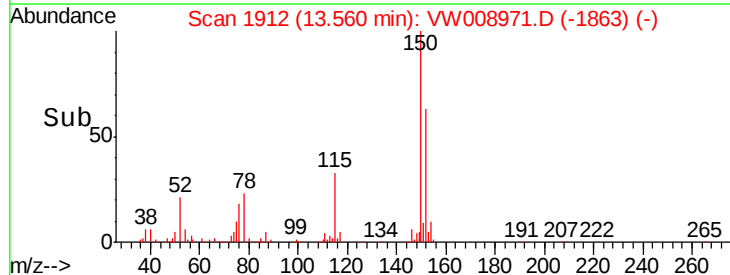
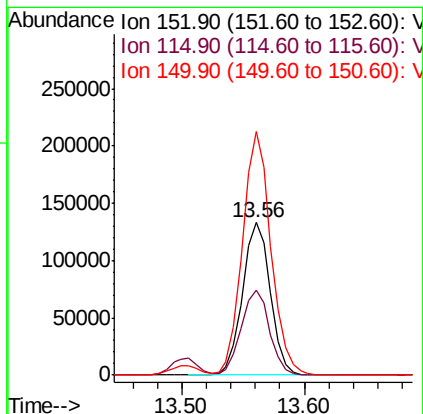
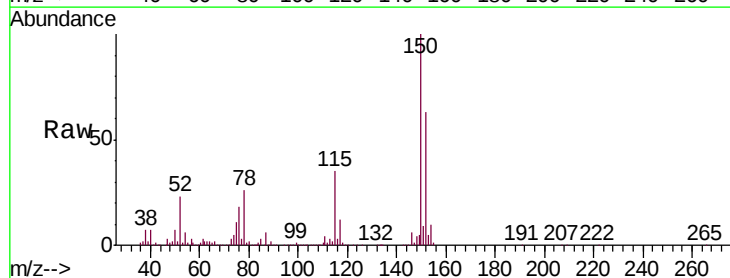
Tgt Ion:152 Resp: 209560

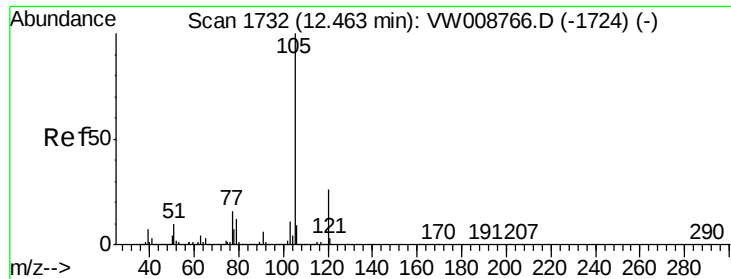
Ion Ratio Lower Upper

152 100

115 56.7 28.6 85.8

150 162.8 0.0 348.0





#73

Isopropylbenzene

Concen: 19.943 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 105 Resp: 286498

Ion Ratio Lower Upper

105 100

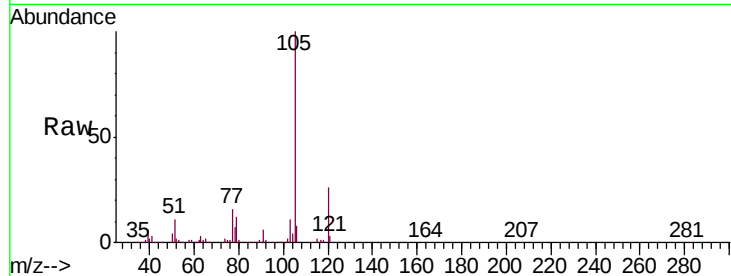
120 26.2 13.3 39.9

Manual Integrations

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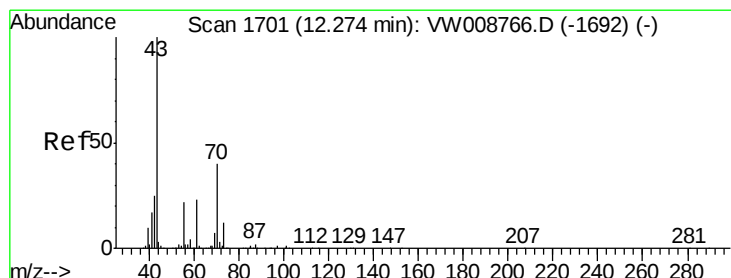
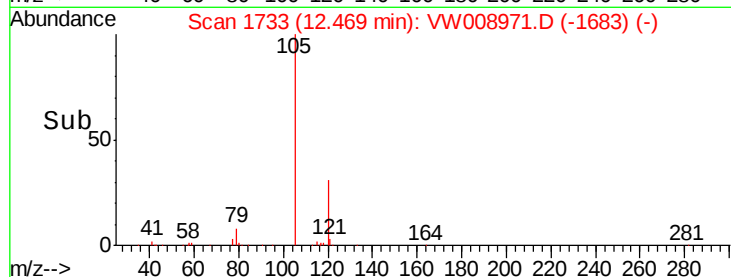
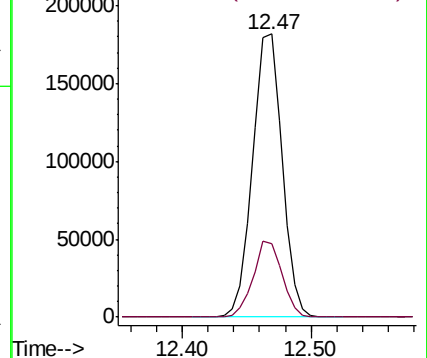
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.508 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion: 43 Resp: 70595

Ion Ratio Lower Upper

43 100

70 40.5 31.0 46.6

55 25.7 18.7 28.1

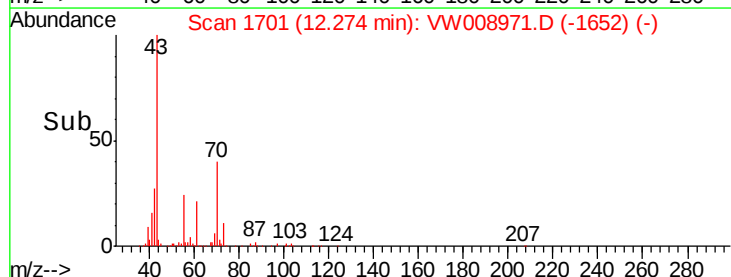
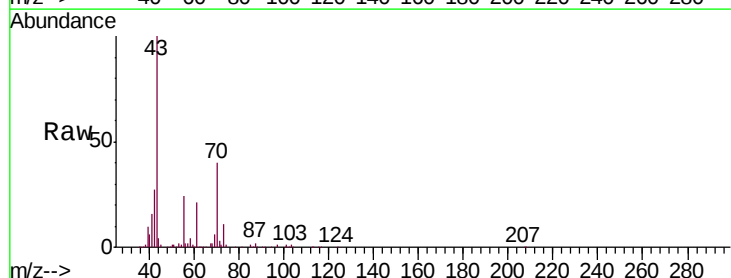
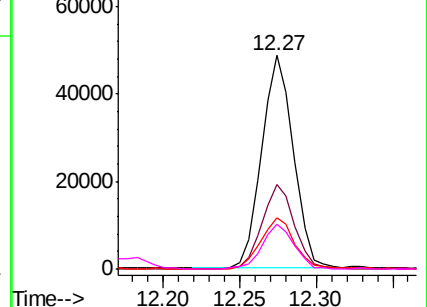
61 21.1 18.1 27.1

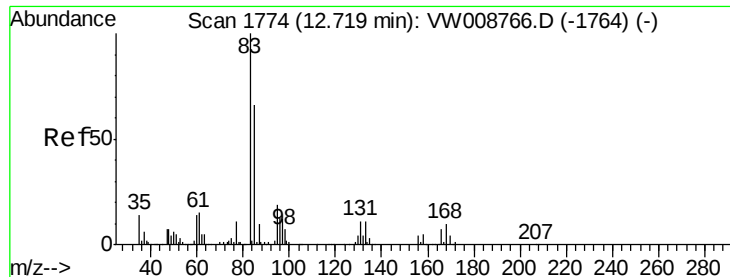
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.630 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

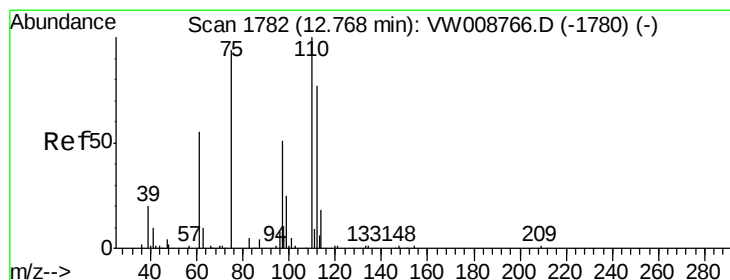
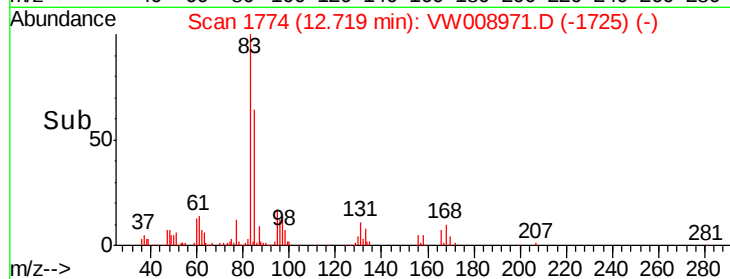
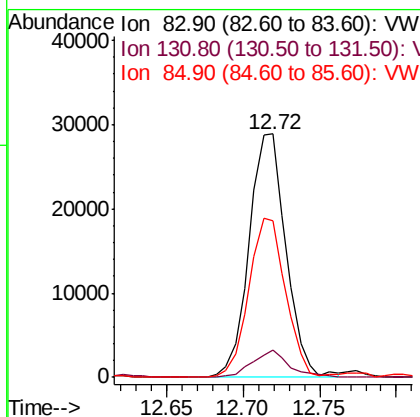
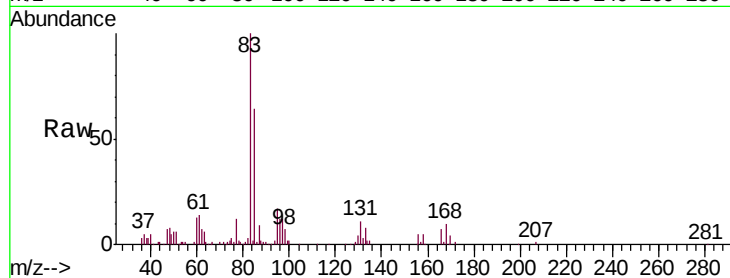
ClientSampleId :

VW0305SBS01

Tgt Ion:	83	Resp:	48427
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	65.1	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.577 ug/l m

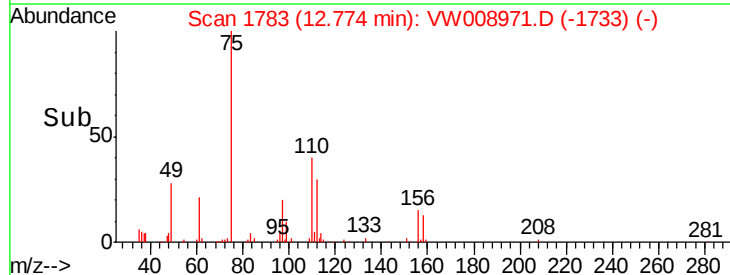
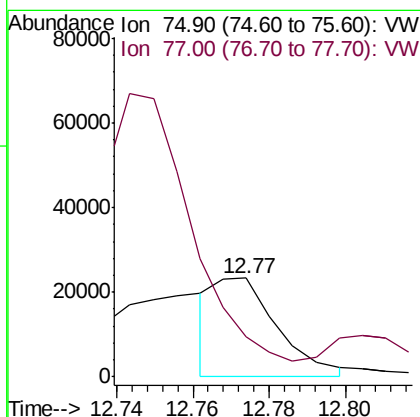
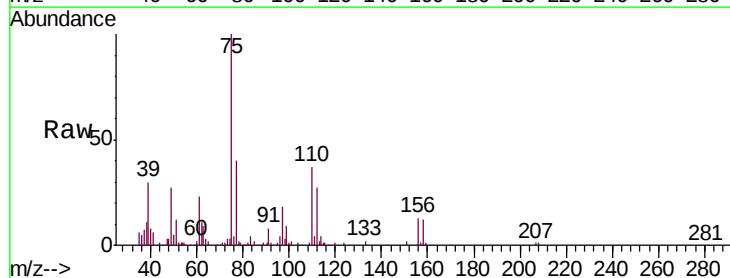
RT: 12.77 min Scan# 1783

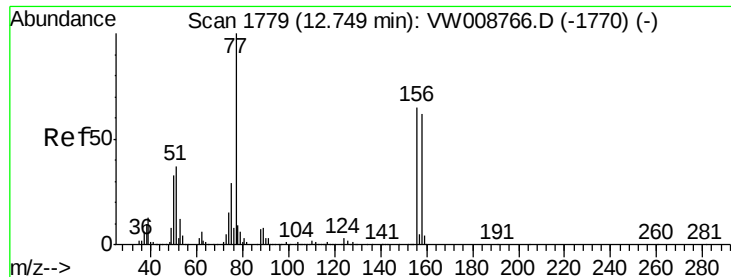
Delta R.T. 0.01 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	75	Resp:	26952
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.298 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

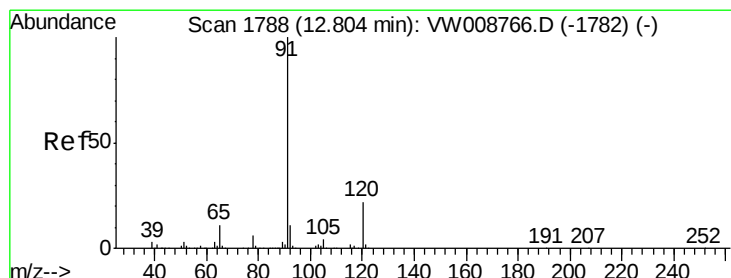
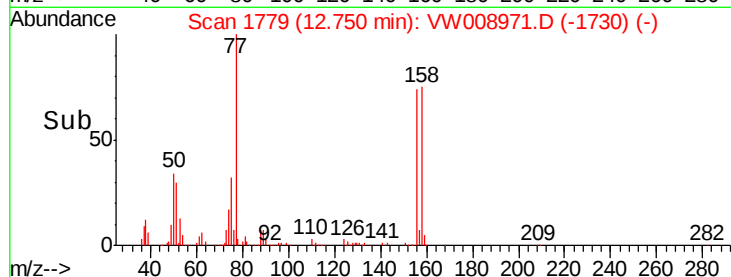
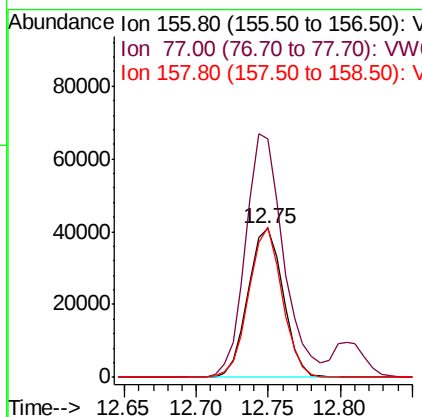
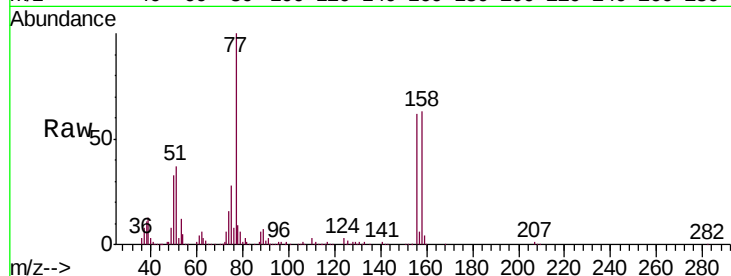
ClientSampled :

VW0305SBS01

Tgt Ion:	156	Resp:	68908
Ion Ratio	Lower	Upper	
156	100		
77	176.1	89.1	267.4
158	95.7	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.168 ug/l

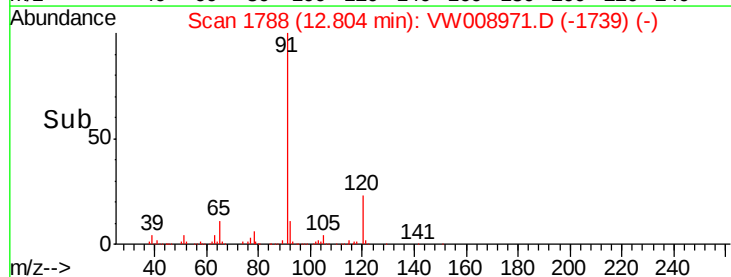
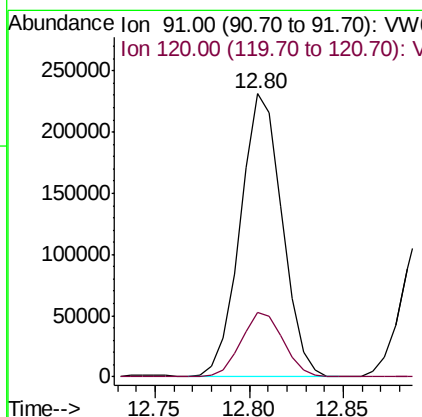
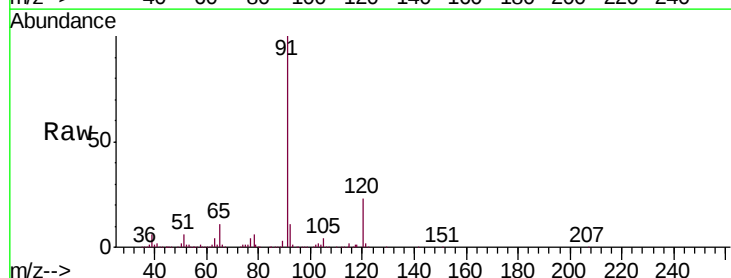
RT: 12.80 min Scan# 1788

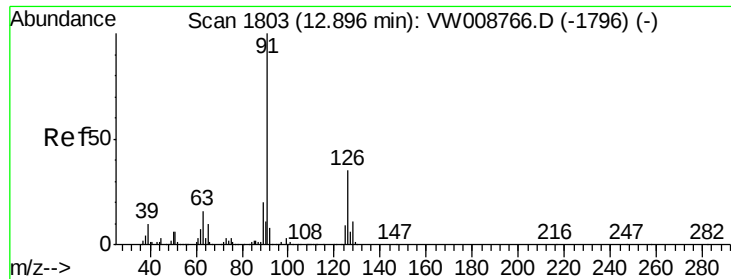
Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	91	Resp:	354421
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.323 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

ClientSampled :

VW0305SBS01

Tgt Ion: 91 Resp: 202769

Ion Ratio Lower Upper

91 100

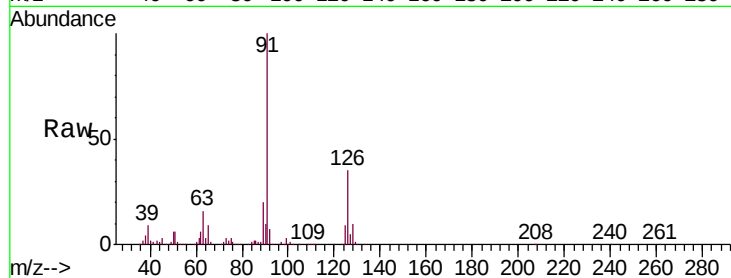
126 34.8 17.0 51.0

Manual Integrations

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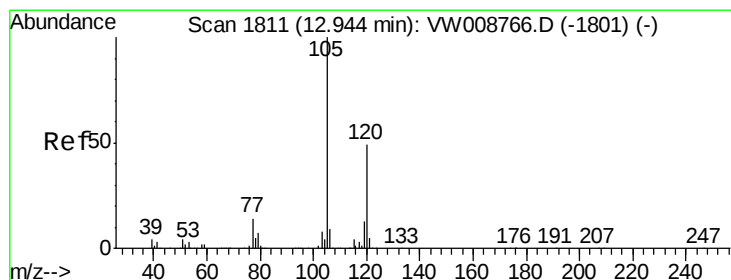
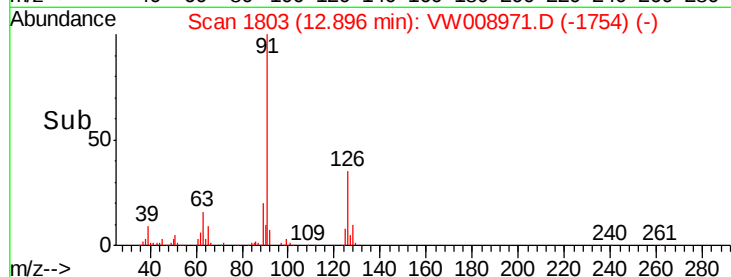
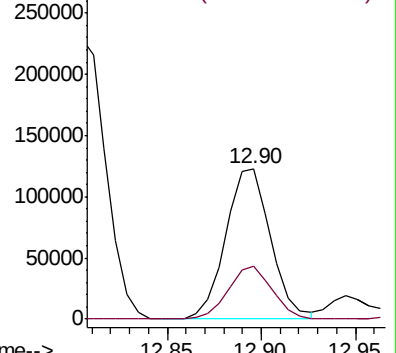
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.647 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008971.D

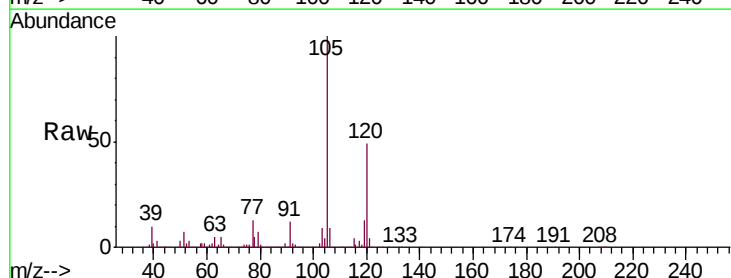
Acq: 04 Mar 2019 20:36

Tgt Ion: 105 Resp: 257764

Ion Ratio Lower Upper

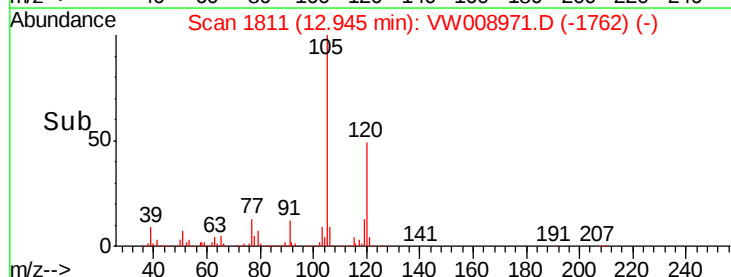
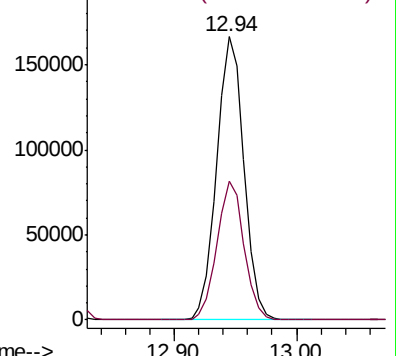
105 100

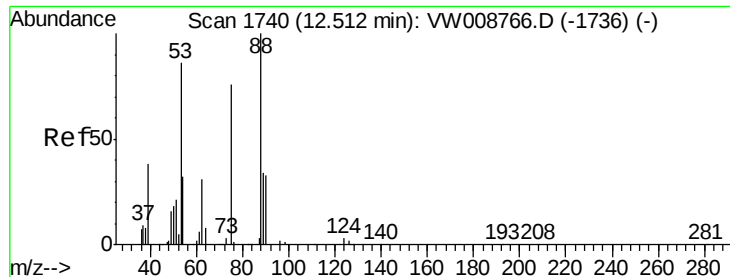
120 48.6 24.8 74.4



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: 18.586 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Instrument :

MSVOA_W

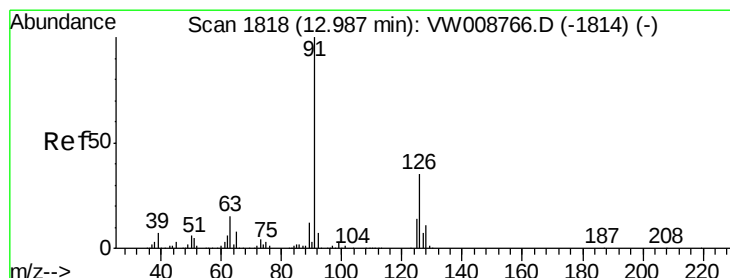
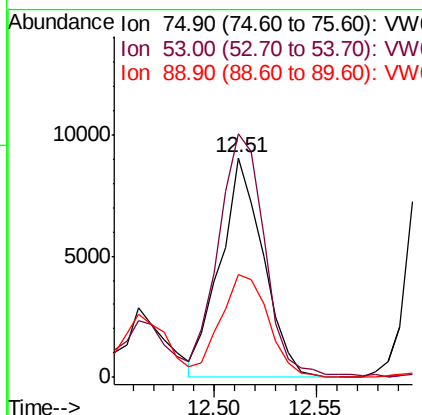
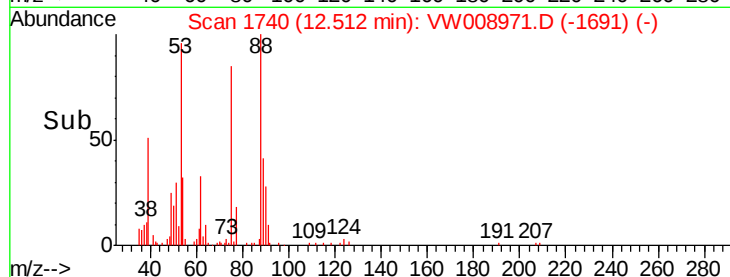
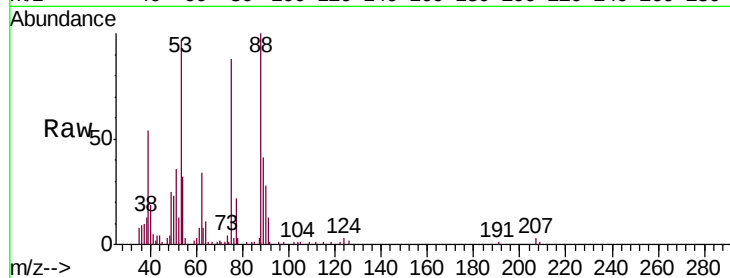
ClientSampled :

VW0305SBS01

Tgt Ion:	75	Resp:	13228
Ion	Ratio	Lower	Upper
75	100		
53	119.9	88.2	132.2
89	52.5	39.5	59.3

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#82

4-Chlorotoluene

Concen: 20.378 ug/l

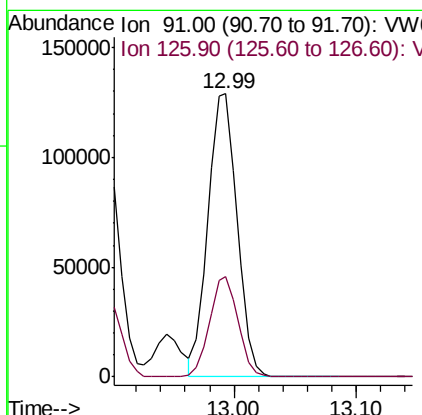
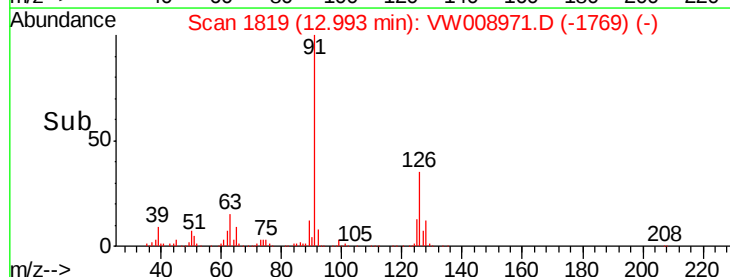
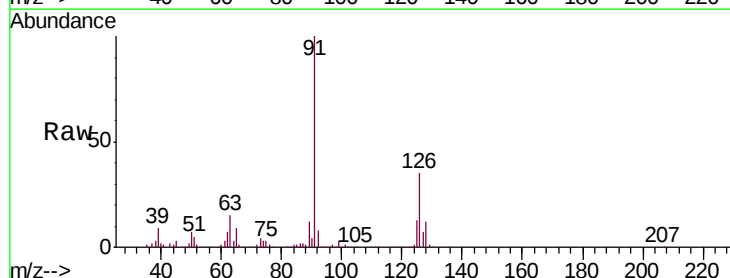
RT: 12.99 min Scan# 1819

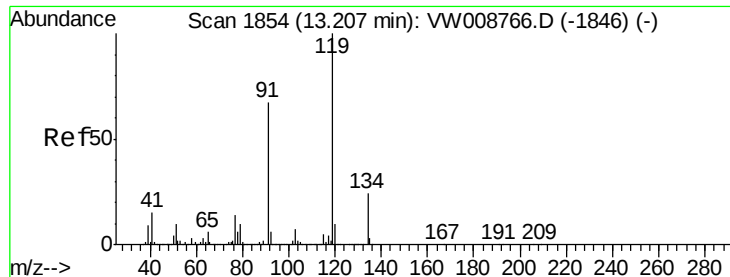
Delta R.T. 0.01 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion:	91	Resp:	214253
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





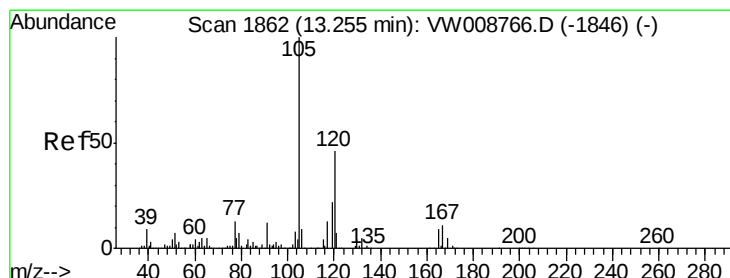
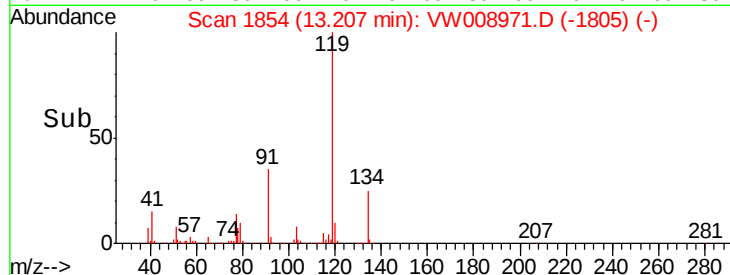
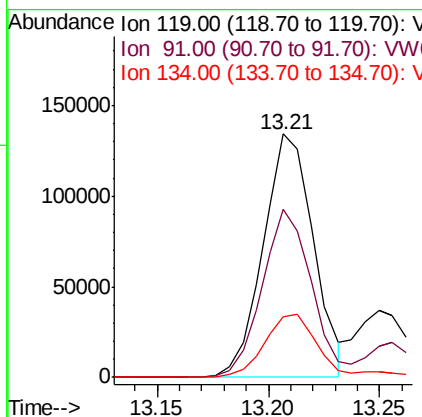
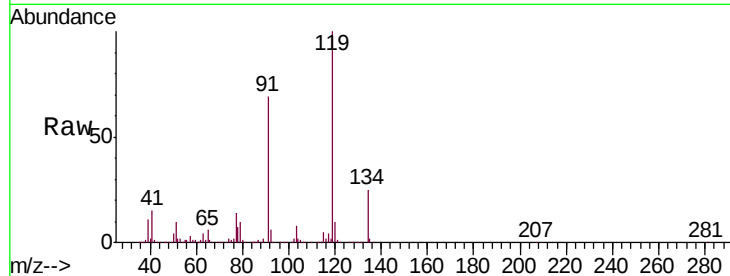
#83
 tert-Butylbenzene
 Concen: 19.532 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	210851		
91	68.1	33.6	100.8	
134	28.1	13.7	41.1	

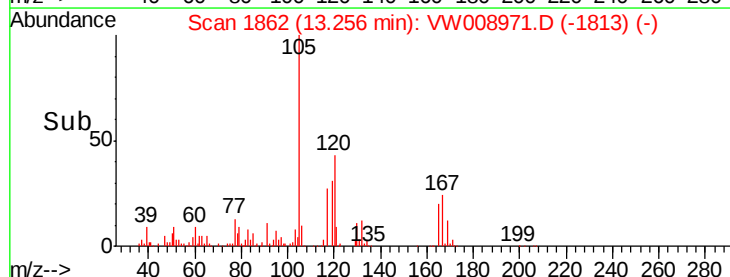
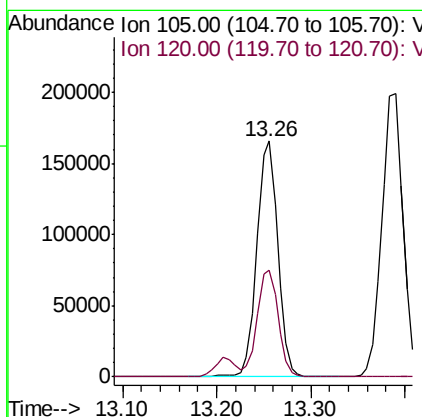
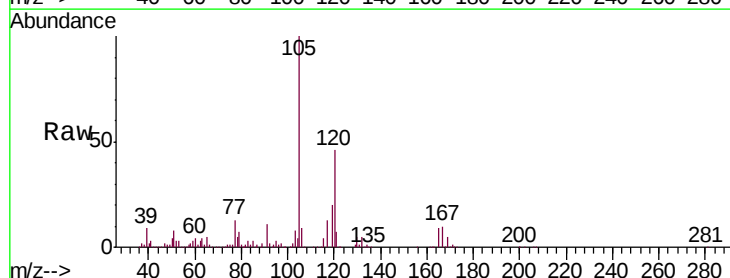
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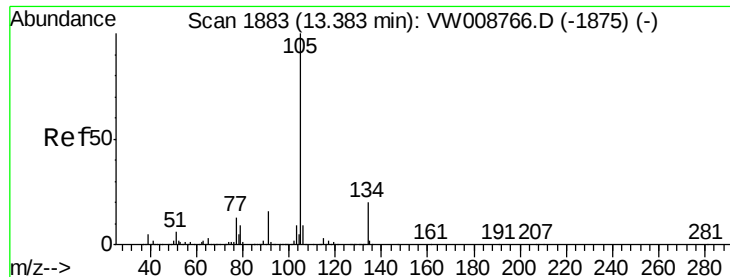
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.994 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258387		
120	45.4	22.8	68.4	





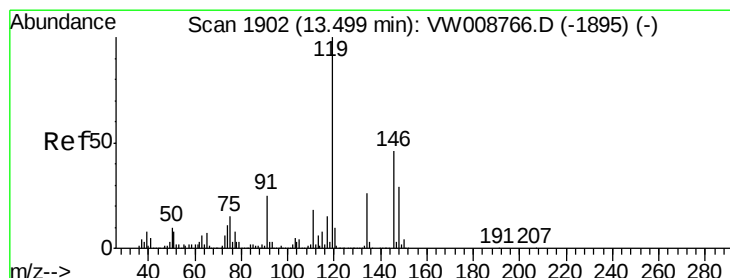
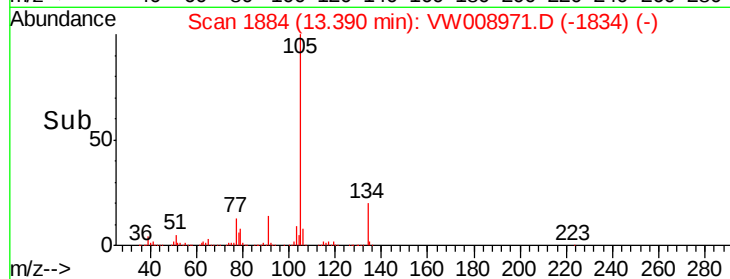
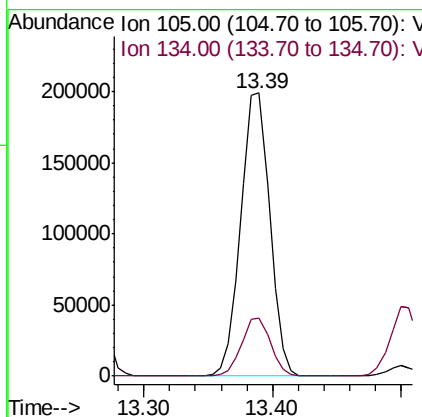
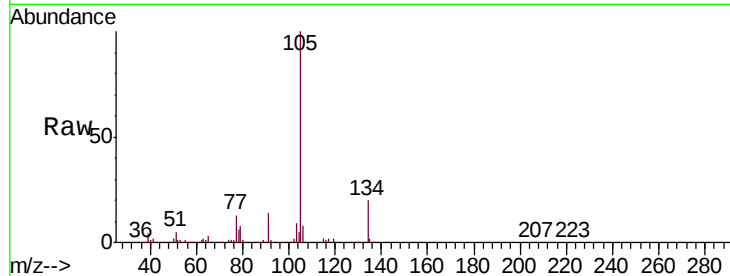
#85
 sec-Butylbenzene
 Concen: 20.044 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311129		
134	20.3	10.4	31.1	

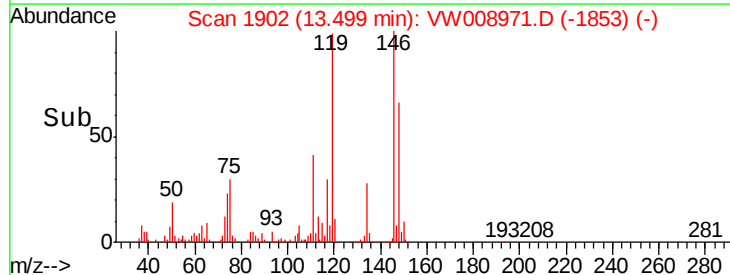
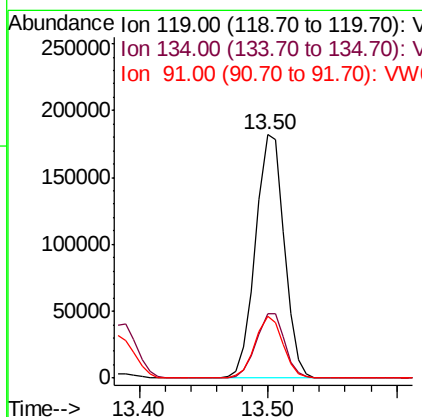
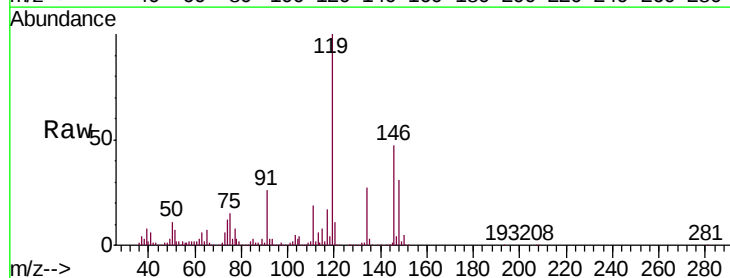
Manual Integrations
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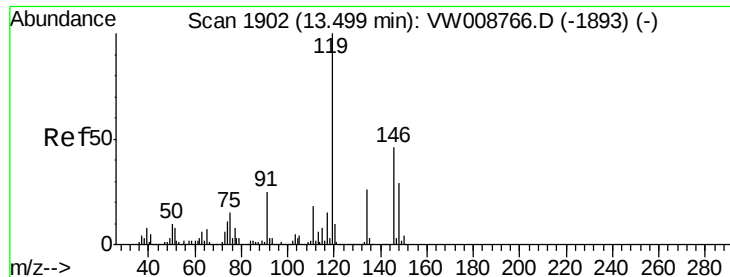
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 3/8/2019 10:53:58 AM



#86
 p-Isopropyltoluene
 Concen: 19.626 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	279269		
134	26.4	13.1	39.3	
91	24.8	12.1	36.3	





#87

1,3-Dichlorobenzene

Concen: 20.273 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

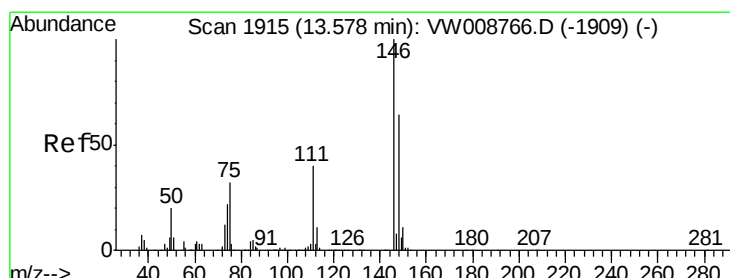
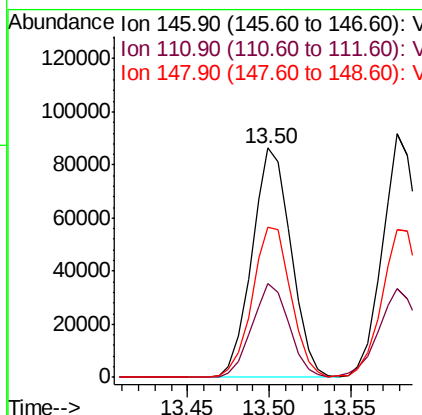
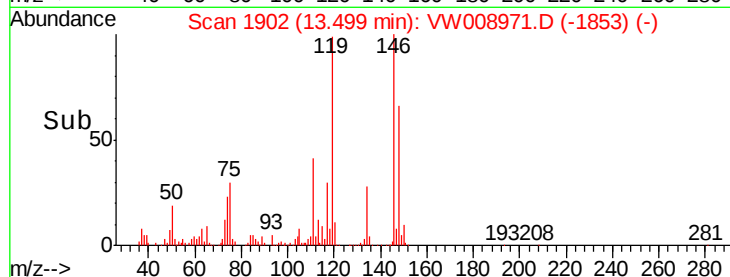
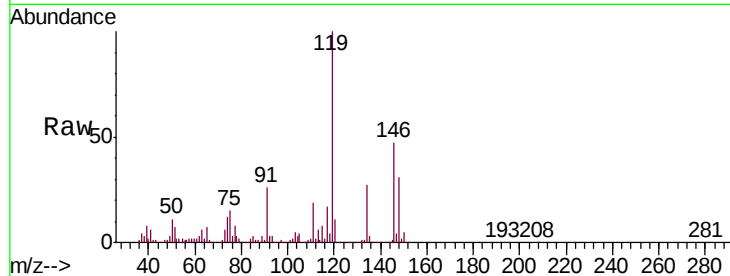
Instrument :
MSVOA_W

ClientSampled :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	65.2	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 20.796 ug/l

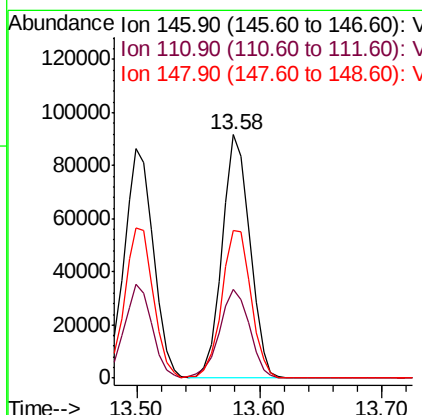
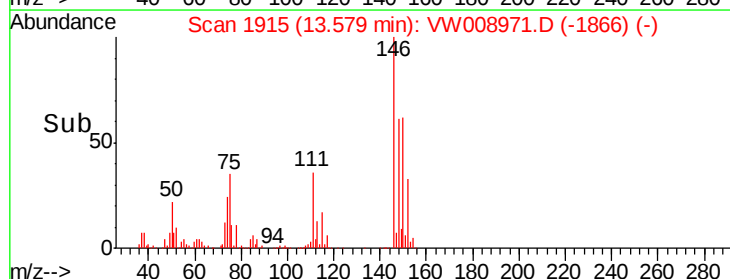
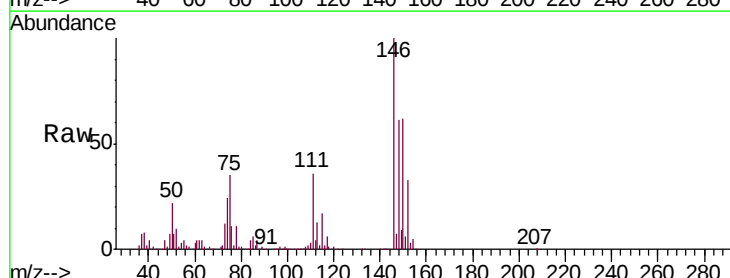
RT: 13.58 min Scan# 1915

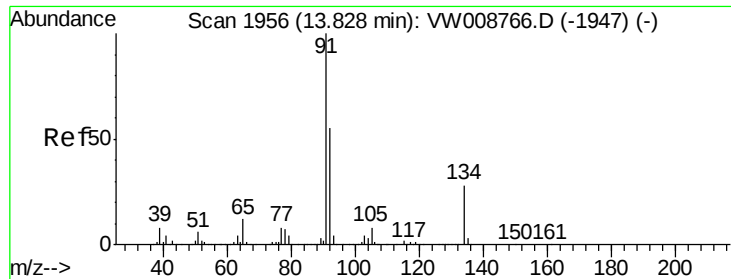
Delta R.T. 0.00 min

Lab File: VW008971.D

Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	63.9	31.9	95.9





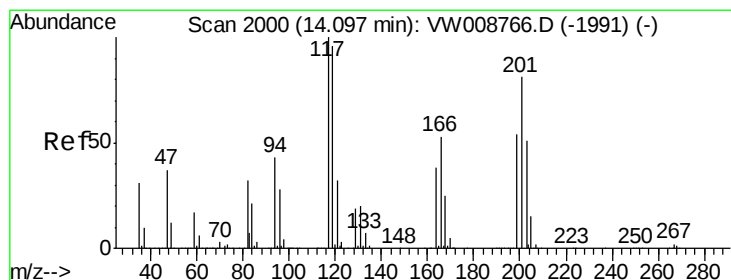
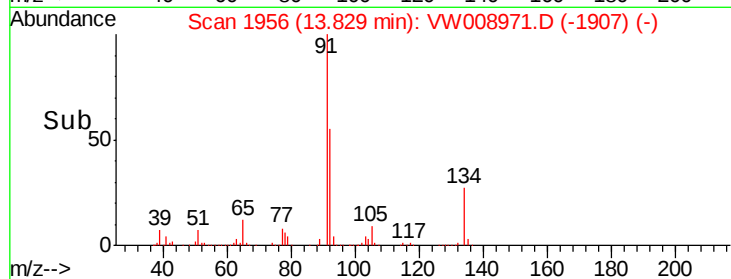
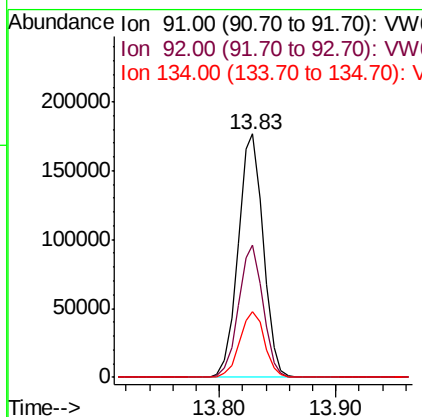
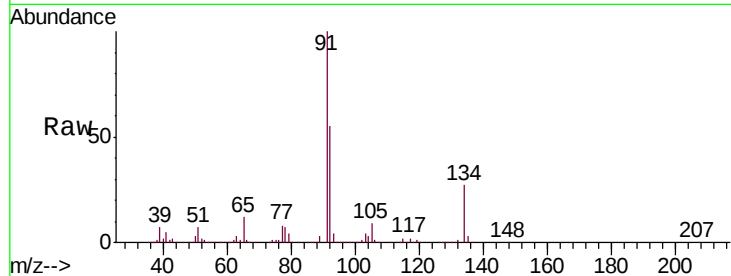
#89
n-Butylbenzene
Concen: 19.891 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	26.7	13.5	40.4

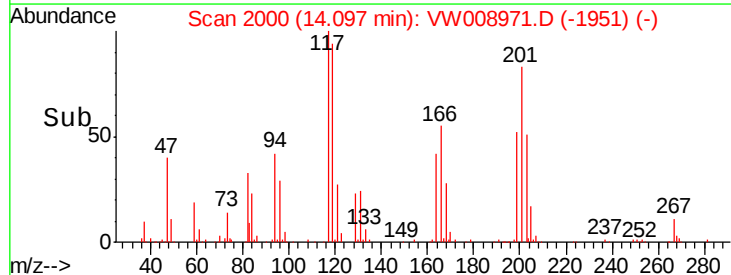
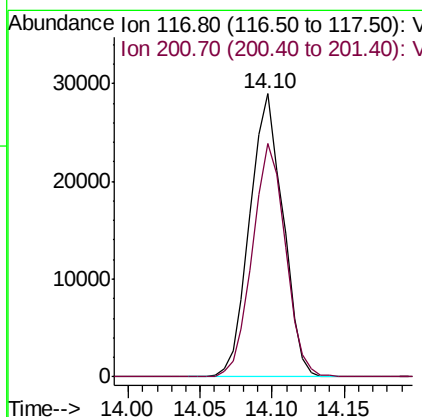
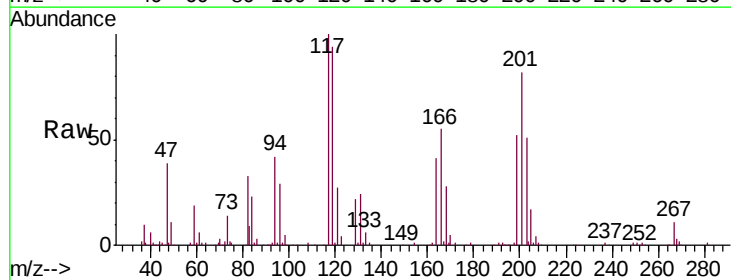
Manual Integrations
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#90
Hexachloroethane
Concen: 19.843 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	40.3	120.8





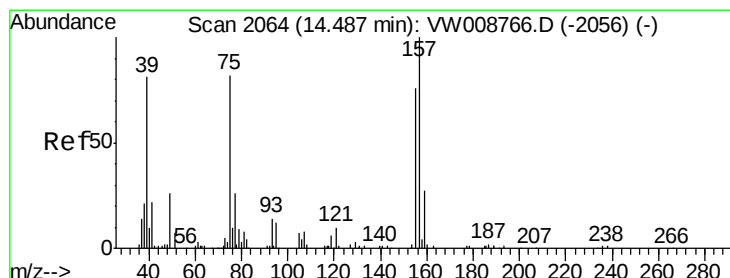
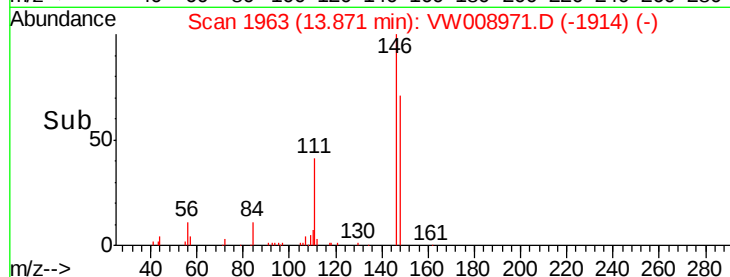
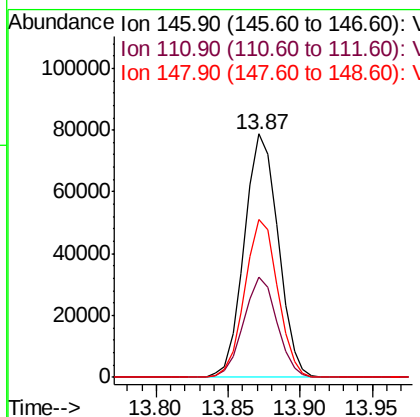
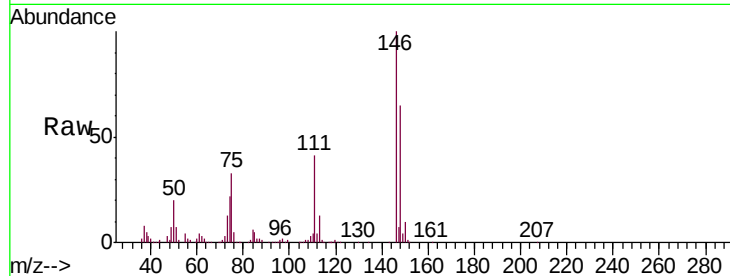
#91
 1,2-Dichlorobenzene
 Concen: 20.452 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	128355		
111	40.9	20.3	60.8	
148	63.2	32.5	97.5	

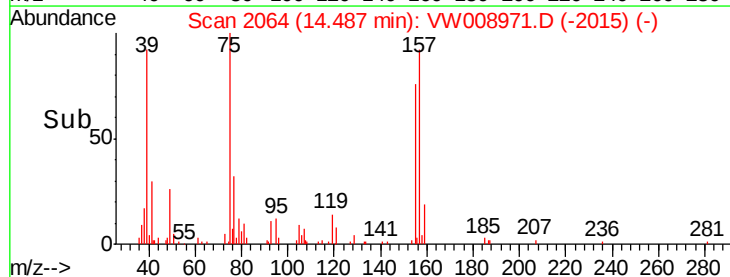
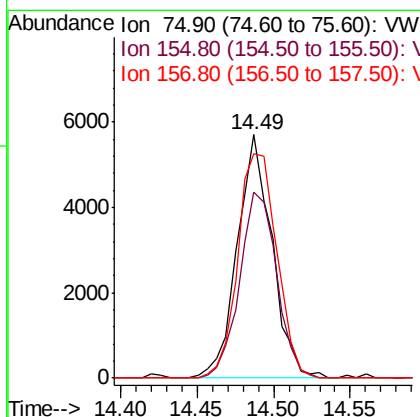
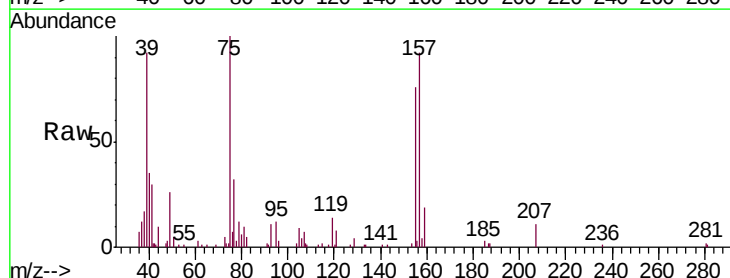
Manual Integrations
 APPROVED

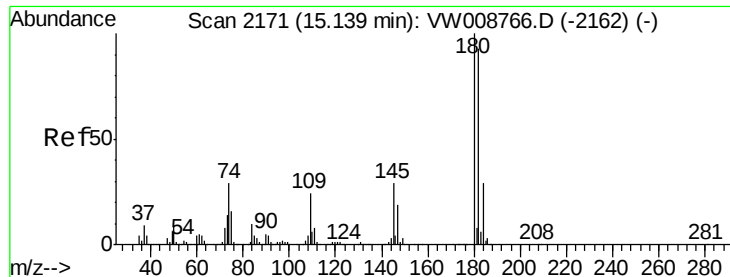
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.138 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008971.D
 Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8976		
155	81.6	41.8	125.4	
157	103.9	56.6	169.9	





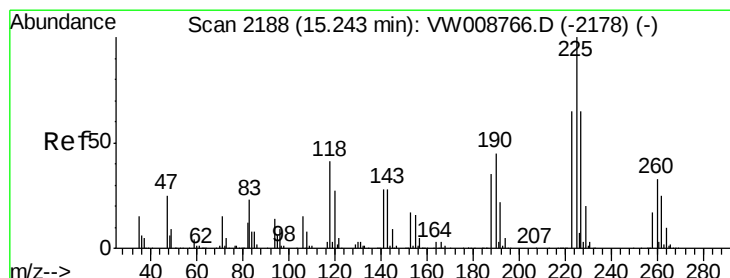
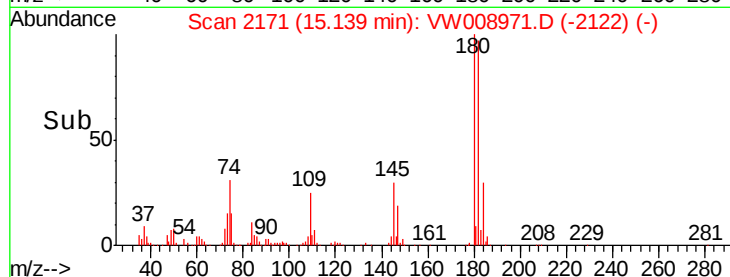
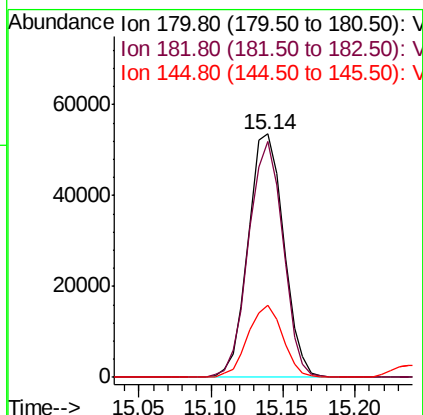
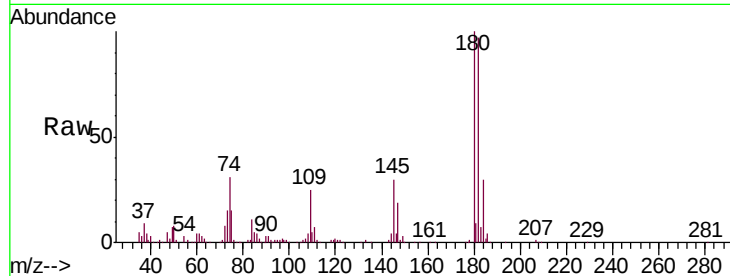
#93
1,2,4-Trichlorobenzene
Concen: 20.196 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.2	141.6
145	29.0	14.4	43.0

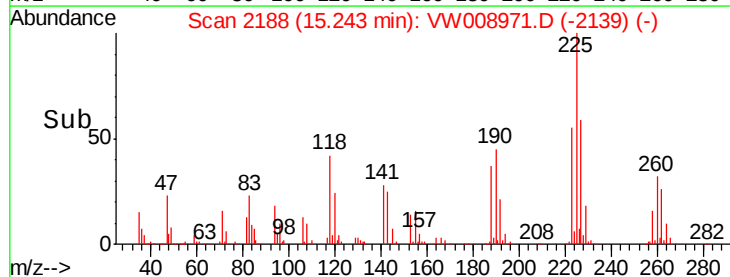
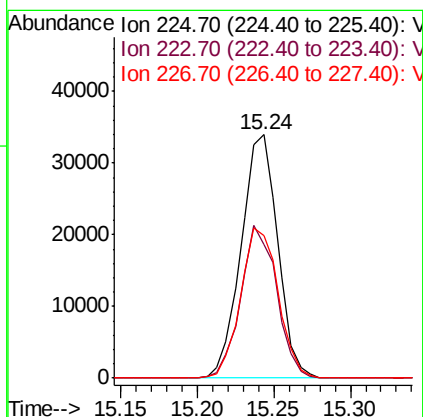
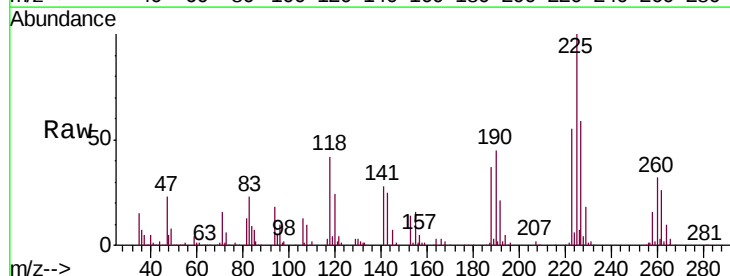
Manual Integrations
APPROVED

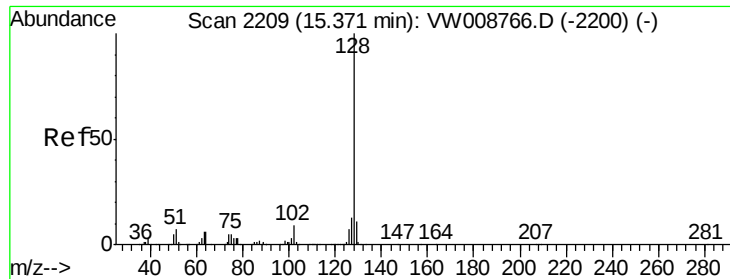
MMDadoda
3/8/2019 10:53:58 AM



#94
Hexachlorobutadiene
Concen: 21.156 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.5	94.5
227	63.6	31.6	94.8





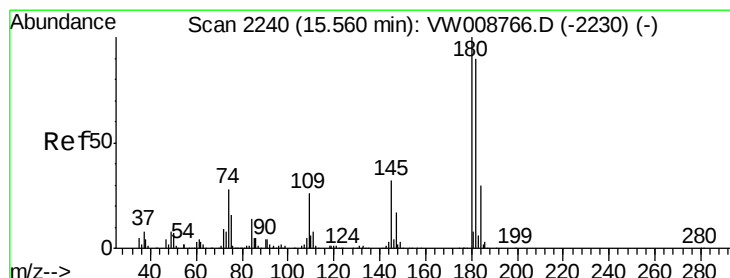
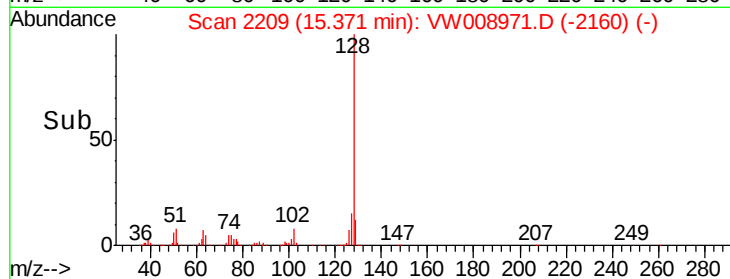
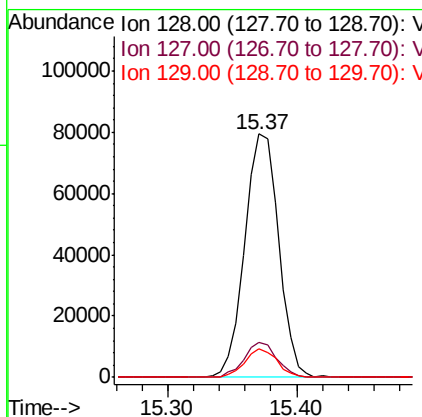
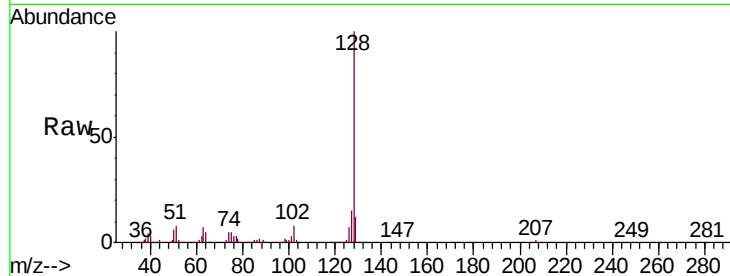
#95
Naphthalene
Concen: 18.752 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	144376		
127	14.0	10.8	16.2	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:53:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.305 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008971.D
Acq: 04 Mar 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79387		
182	96.1	46.9	140.8	
145	32.1	15.9	47.6	

