

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009123.D
 Acq On : 12 Mar 2019 14:23
 Operator : SY/VA
 Sample : VW0312SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:12:17 PM

Quant Time: Mar 13 03:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141540	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	7.88	113	120847	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.32	98	540357	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
62) 4-Bromofluorobenzene	12.62	95	191833	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52926	18.334	ug/l	97
3) Chloromethane	2.20	50	53461	14.578	ug/l	97
4) Vinyl Chloride	2.35	62	64405	17.306	ug/l	99
5) Bromomethane	2.78	94	57812	18.402	ug/l	98
6) Chloroethane	2.93	64	37255	14.061	ug/l	98
7) Trichlorofluoromethane	3.28	101	99542	20.773	ug/l	94
8) Diethyl Ether	3.68	74	27508	18.774	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	61237	20.519	ug/l	99
10) Methyl Iodide	4.28	142	21751	9.478	ug/l #	93
11) Tert butyl alcohol	5.14	59	26408	119.579	ug/l	95
12) 1,1-Dichloroethene	4.04	96	49728	19.317	ug/l	88
13) Acrolein	3.90	56	18464	75.979	ug/l	98
14) Allyl chloride	4.68	41	85941	18.925	ug/l	98
15) Acrylonitrile	5.36	53	60088	93.964	ug/l	99
16) Acetone	4.11	43	75419	115.971	ug/l	95
17) Carbon Disulfide	4.39	76	166794	19.257	ug/l	100
18) Methyl Acetate	4.66	43	25611	17.126	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	133463	19.598	ug/l	98
20) Methylene Chloride	4.92	84	60198	15.986	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	59022	19.856	ug/l	94
22) Diisopropyl ether	6.30	45	188683	20.908	ug/l	92
23) Vinyl Acetate	6.25	43	557341	99.247	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104984	20.057	ug/l	99
25) 2-Butanone	7.16	43	86403	96.136	ug/l	96
26) 2,2-Dichloropropane	7.17	77	99150	20.840	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62923	19.710	ug/l	97
28) Bromochloromethane	7.51	49	39342	18.070	ug/l	95
29) Tetrahydrofuran	7.52	42	51143	90.299	ug/l	100
30) Chloroform	7.67	83	110668	20.536	ug/l	98
31) Cyclohexane	7.95	56	108630	20.212	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	101714	20.452	ug/l	99
36) 1,1-Dichloropropene	8.08	75	89699	21.372	ug/l	99
37) Ethyl Acetate	7.24	43	37335	18.939	ug/l	99
38) Carbon Tetrachloride	8.07	117	93446	21.559	ug/l	97

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103867	20.778	ug/l	95
40) Benzene	8.32	78	237466	21.195	ug/l	99
41) Methacrylonitrile	7.48	41	21275	19.434	ug/l	92
42) 1,2-Dichloroethane	8.40	62	73213	20.241	ug/l	99
43) Isopropyl Acetate	8.41	43	71207	19.394	ug/l	99
44) Trichloroethene	9.09	130	66043	21.032	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60552	21.579	ug/l	99
46) Dibromomethane	9.45	93	30125	19.658	ug/l	98
47) Bromodichloromethane	9.64	83	81832	21.095	ug/l	99
48) Methyl methacrylate	9.43	41	32907	19.248	ug/l	96
49) 1,4-Dioxane	9.45	88	4035	183.871	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	178543	95.786	ug/l	98
52) Toluene	10.38	92	164133	21.602	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79912	20.828	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	93185	21.135	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43778	21.077	ug/l	95
56) Ethyl methacrylate	10.65	69	50107	19.438	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76152	20.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	106284	79.531	ug/l	98
59) 2-Hexanone	10.97	43	123539	94.266	ug/l	98
60) Dibromochloromethane	11.13	129	53782	20.923	ug/l	97
61) 1,2-Dibromoethane	11.23	107	41075	20.172	ug/l	100
64) Tetrachloroethene	10.86	164	60924	21.571	ug/l	96
65) Chlorobenzene	11.66	112	182192	21.372	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62817	22.069	ug/l	98
67) Ethyl Benzene	11.73	91	318011	20.650	ug/l	98
68) m/p-Xylenes	11.84	106	227629	37.447	ug/l	99
69) o-Xylene	12.16	106	105081	18.579	ug/l	99
70) Styrene	12.18	104	167494	18.303	ug/l	98
71) Bromoform	12.35	173	31353	20.515	ug/l #	96
73) Isopropylbenzene	12.46	105	305274	25.961	ug/l	100
74) N-amyl acetate	12.27	43	63067	22.656	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	50386	27.165	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	35997m	27.747	ug/l	
77) Bromobenzene	12.75	156	71377	26.566	ug/l	97
78) n-propylbenzene	12.80	91	324612	22.412	ug/l	99
79) 2-Chlorotoluene	12.90	91	195798	24.061	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	157201	15.509	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	13539	23.343	ug/l	98
82) 4-Chlorotoluene	12.99	91	189156	21.806	ug/l	98
83) tert-Butylbenzene	13.21	119	187299	21.910	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	144206	14.064	ug/l	98
85) sec-Butylbenzene	13.38	105	268437	21.194	ug/l	100
86) p-Isopropyltoluene	13.50	119	182379	16.097	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	127150	22.519	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	118211	21.185	ug/l	98
89) n-Butylbenzene	13.83	91	140641	13.057	ug/l	98
90) Hexachloroethane	14.10	117	53639	27.449	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	112136	22.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8385	25.382	ug/l	99

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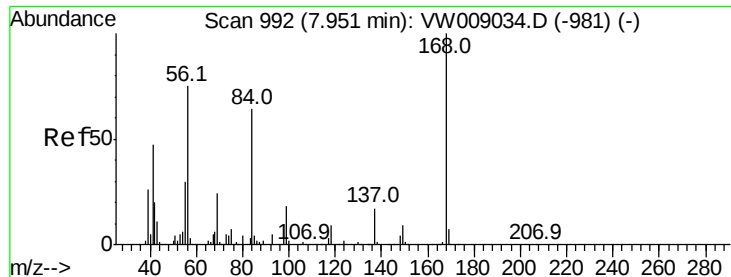
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	40487	12.034	ug/l	99
94) Hexachlorobutadiene	15.24	225	49389	23.437	ug/l	98
95) Naphthalene	15.37	128	52472	9.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	34991	11.828	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:168 Resp: 286443

Ion Ratio Lower Upper

168 100

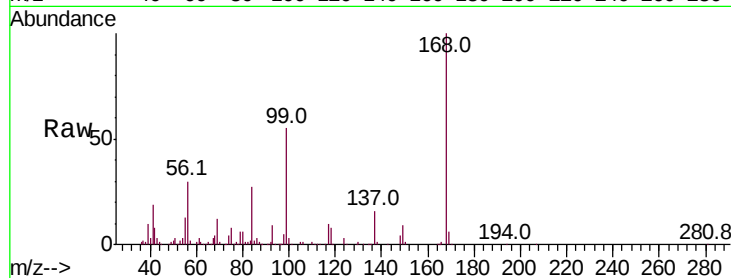
99 55.1 42.2 63.2

Manual Integrations

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3/14/2019 3:12:17 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

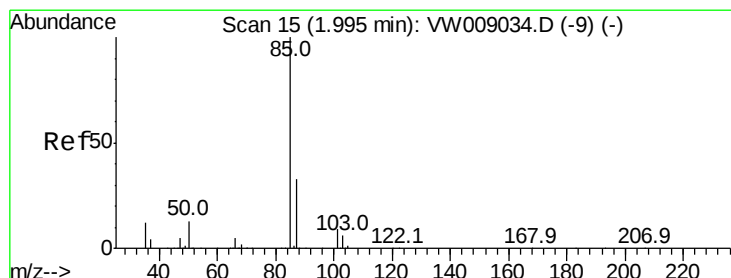
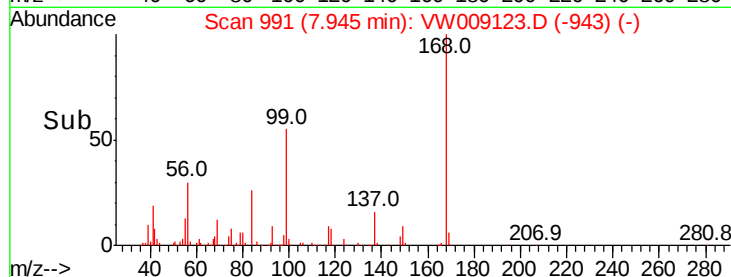
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.334 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009123.D

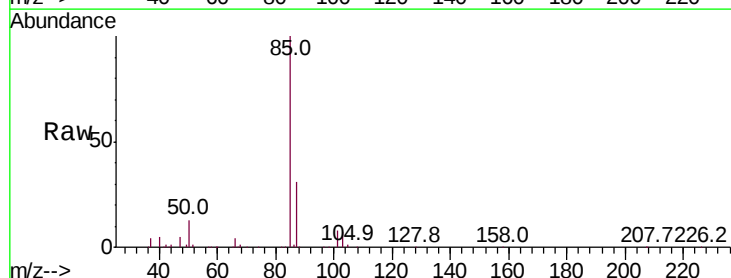
Acq: 12 Mar 2019 14:23

Tgt Ion: 85 Resp: 52926

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

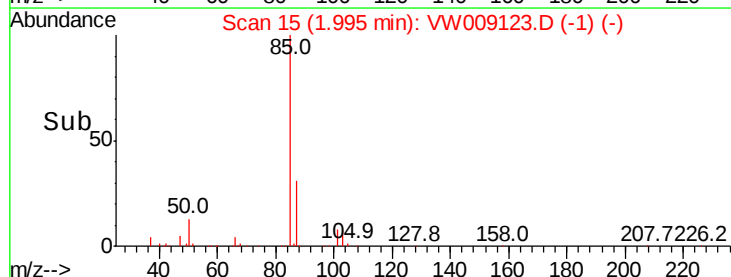
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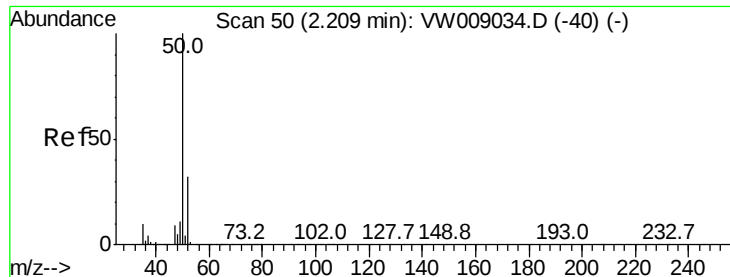
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 14.578 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 50 Resp: 53461

Ion Ratio Lower Upper

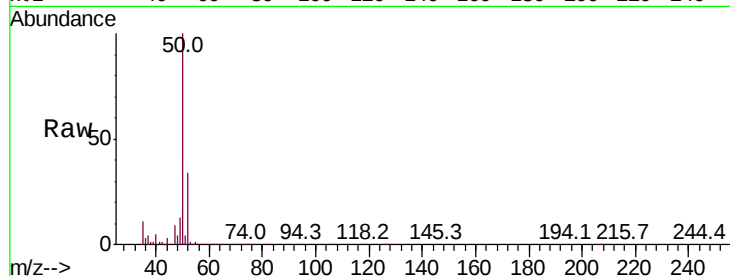
50 100

52 33.5 25.4 38.2

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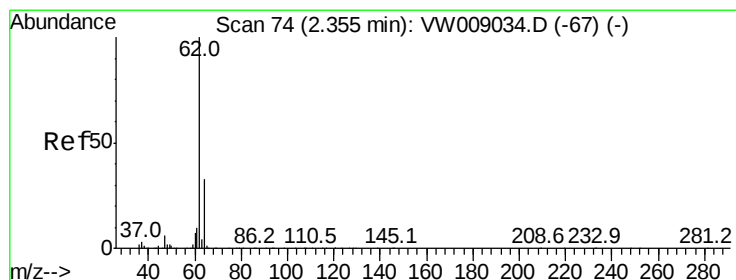
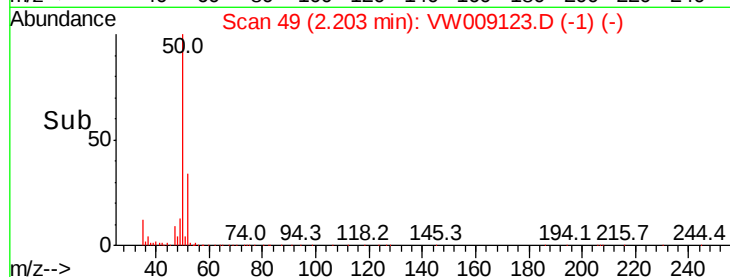
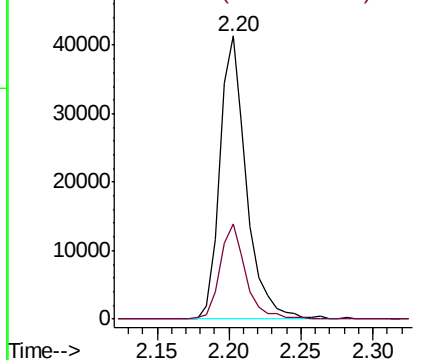
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 17.306 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009123.D

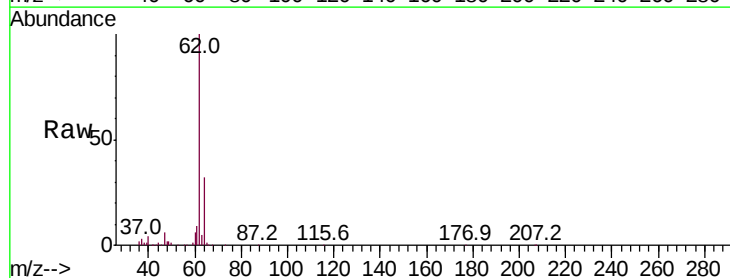
Acq: 12 Mar 2019 14:23

Tgt Ion: 62 Resp: 64405

Ion Ratio Lower Upper

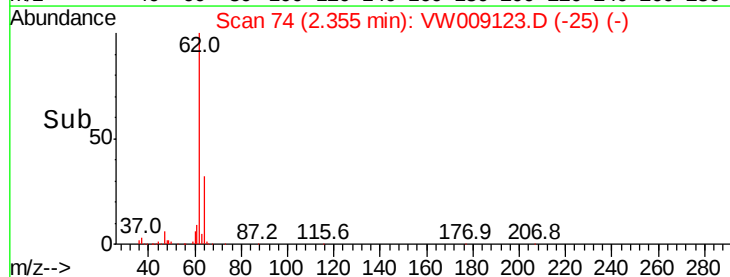
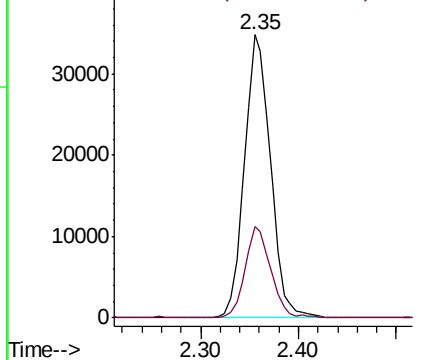
62 100

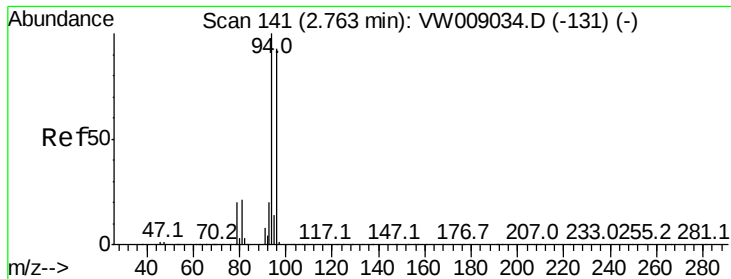
64 32.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.402 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 94 Resp: 57812

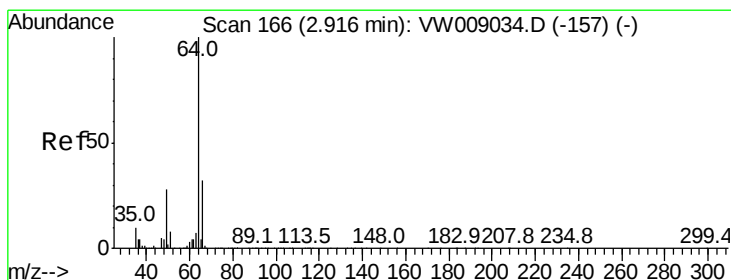
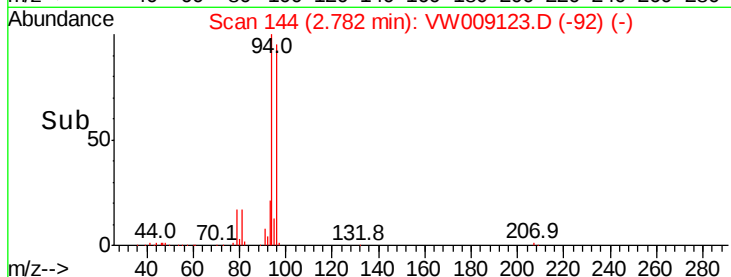
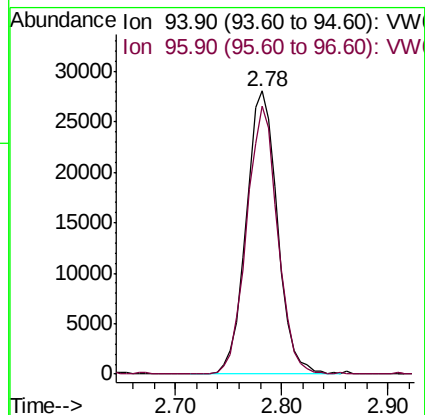
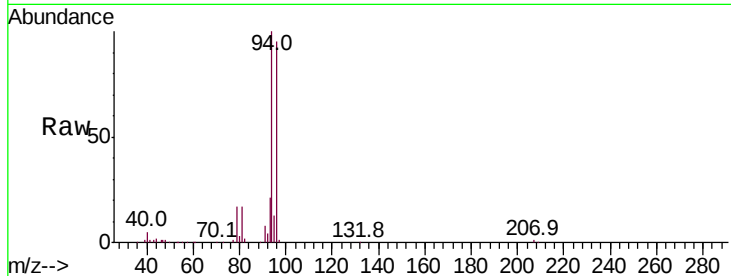
Ion Ratio Lower Upper

94 100

96 94.9 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 14.061 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009123.D

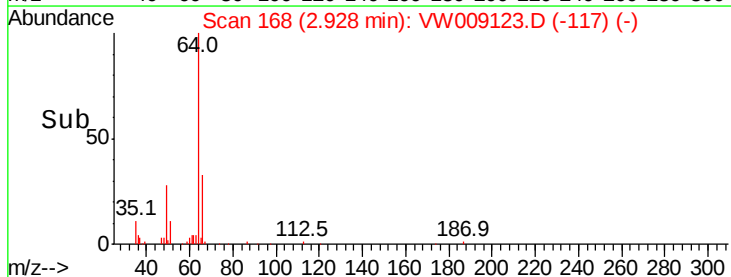
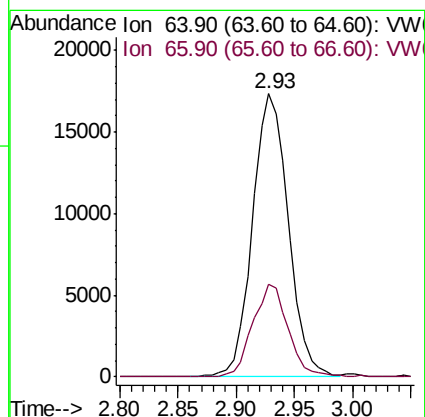
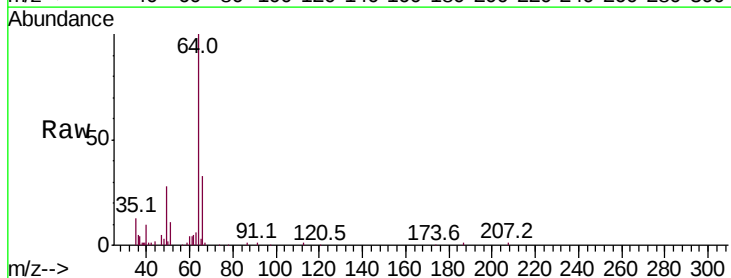
Acq: 12 Mar 2019 14:23

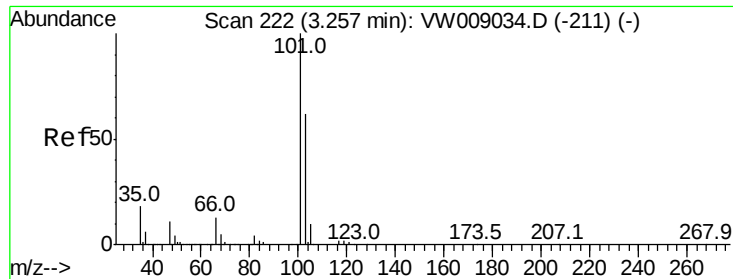
Tgt Ion: 64 Resp: 37255

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

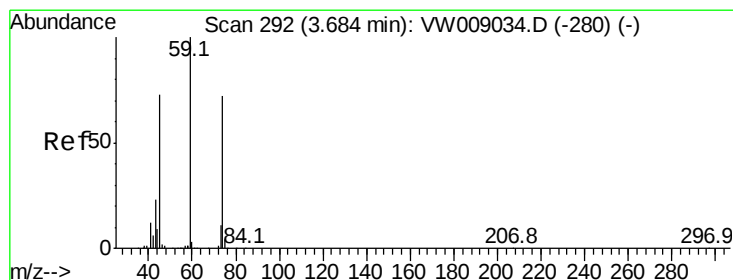
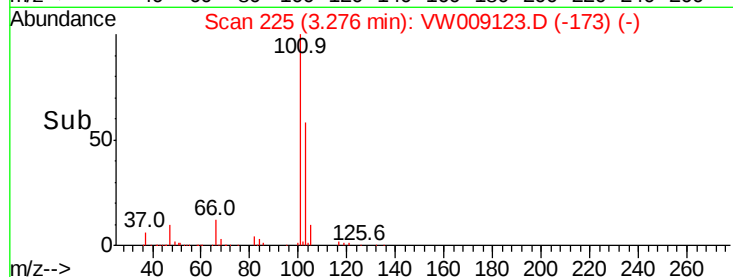
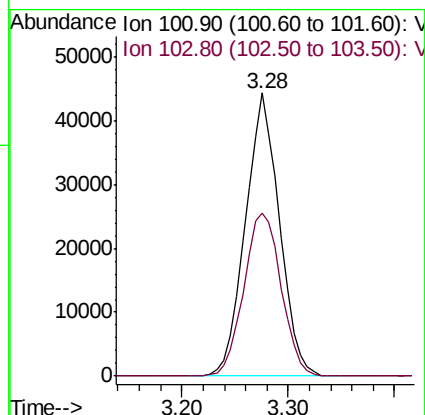
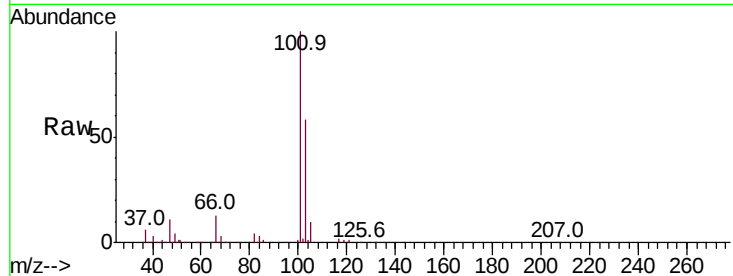
Trichlorofluoromethane
Concen: 20.773 ug/l
RT: 3.28 min Scan# 225
Delta R.T. 0.02 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
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ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.8	49.9	74.9

Manual Integrations
APPROVED

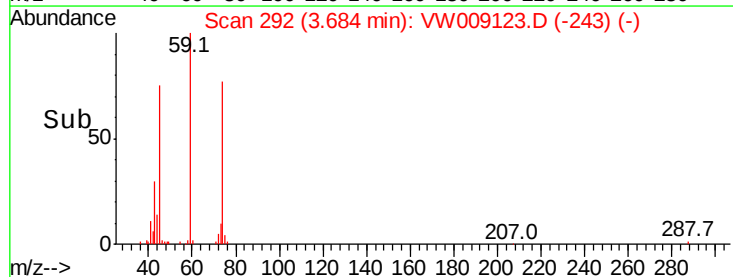
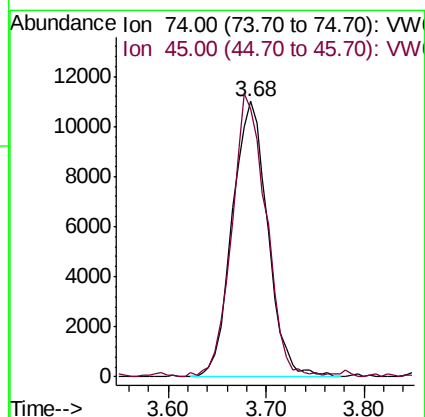
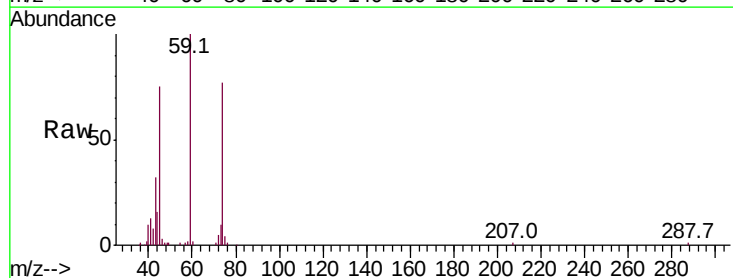
MMDadoda
3/14/2019 3:12:17 PM

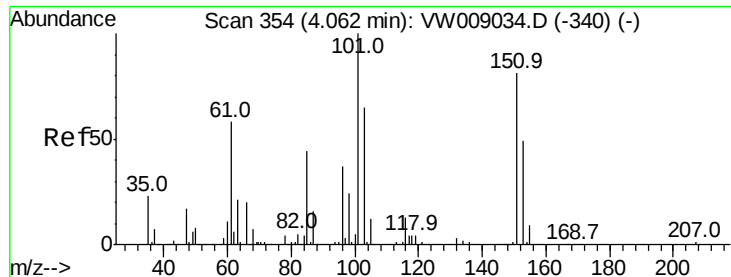


#8

Diethyl Ether
Concen: 18.774 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.519 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

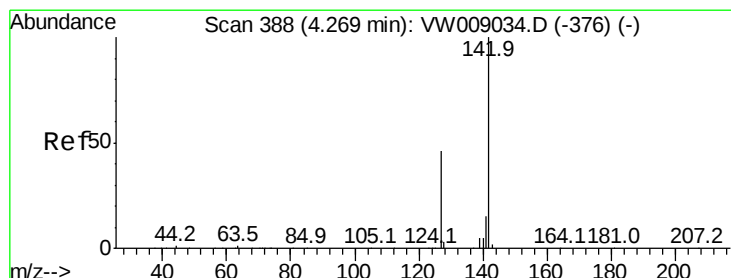
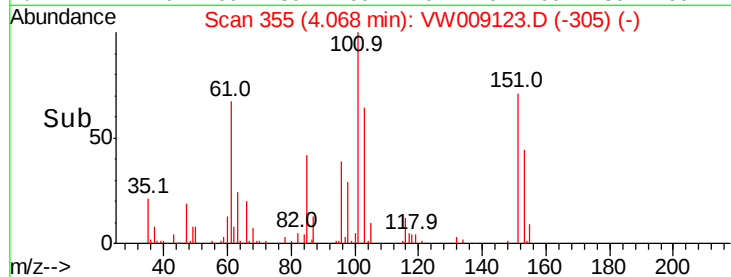
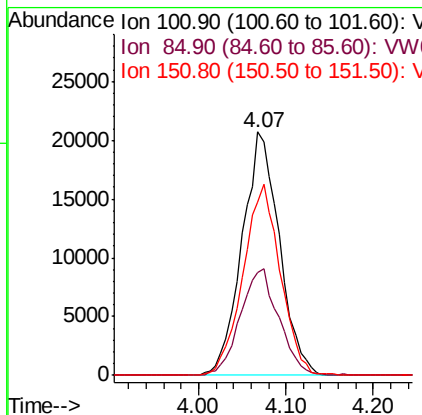
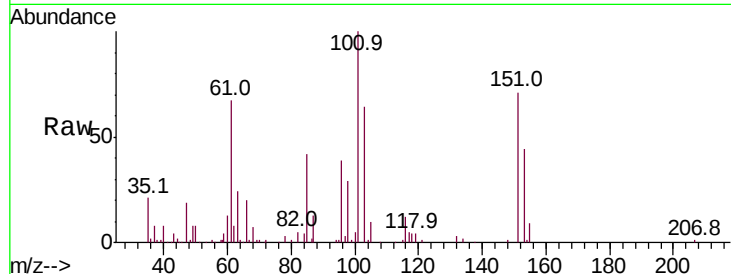
ClientSampleId :

VW0312SBS01

Tot Ion:	101	Resp:	61237
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.2	54.4
151	78.4	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 9.478 ug/l

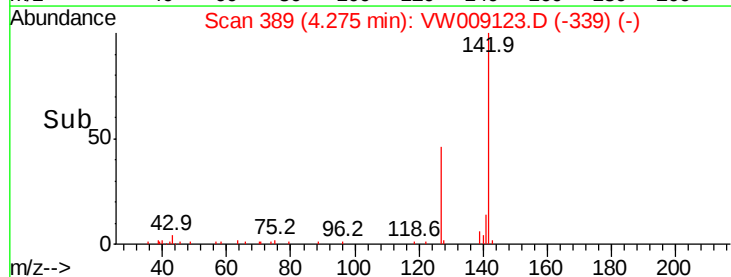
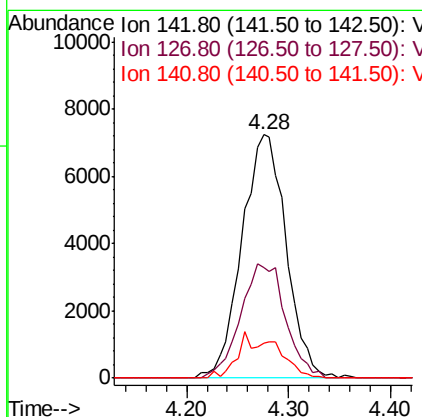
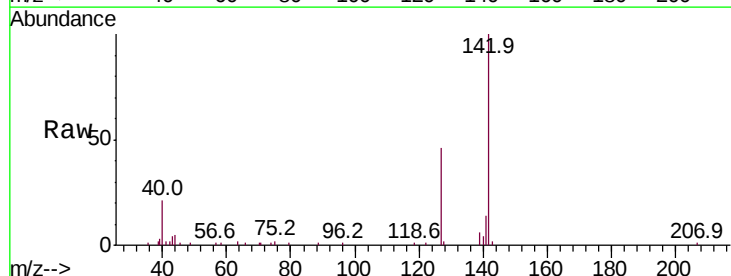
RT: 4.28 min Scan# 389

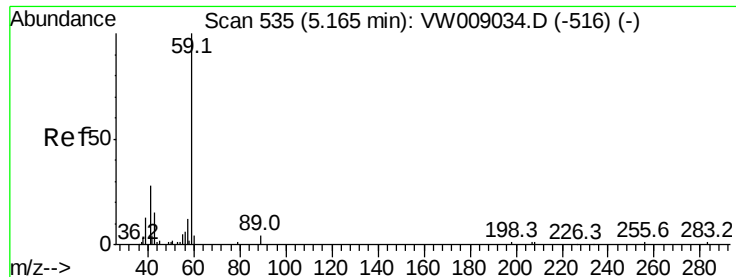
Delta R.T. 0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	142	Resp:	21751
Ion Ratio	Lower	Upper	
142	100		
127	47.5	35.8	53.6
141	7.8	11.8	17.8#





#11

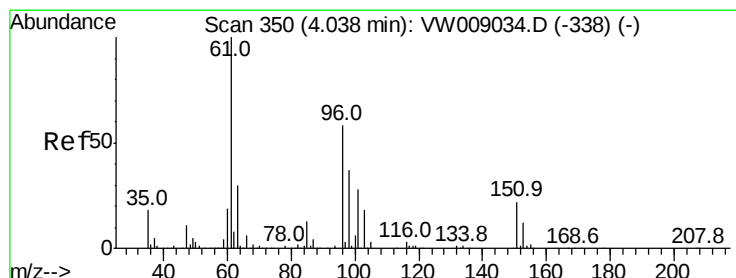
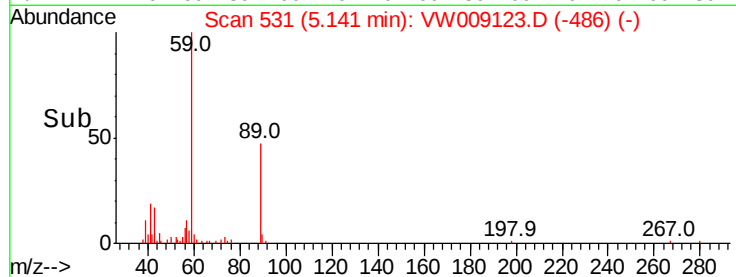
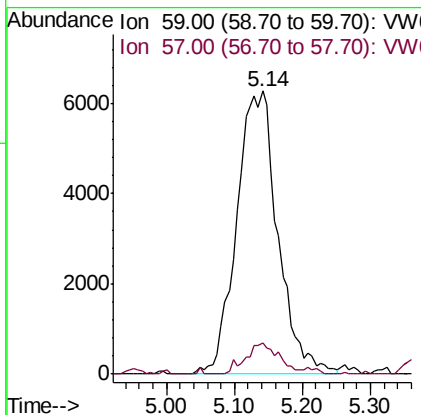
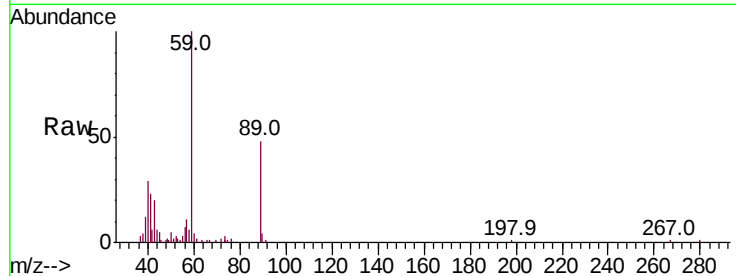
Tert butyl alcohol
 Concen: 119.579 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.6	12.8

Manual Integrations
 APPROVED

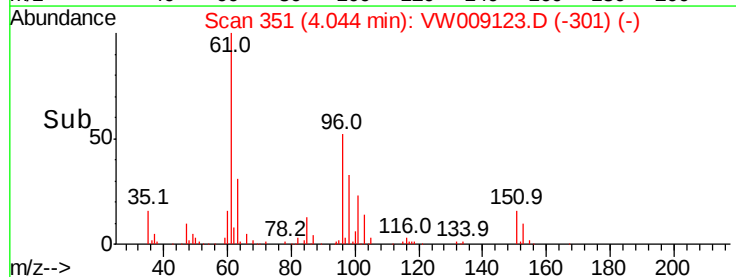
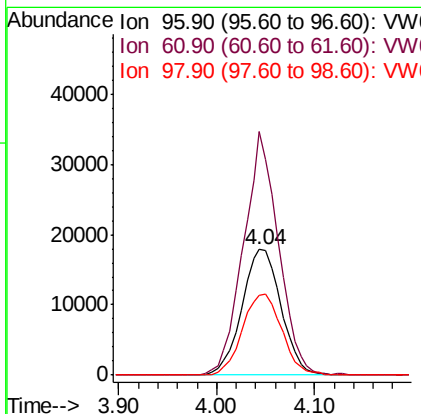
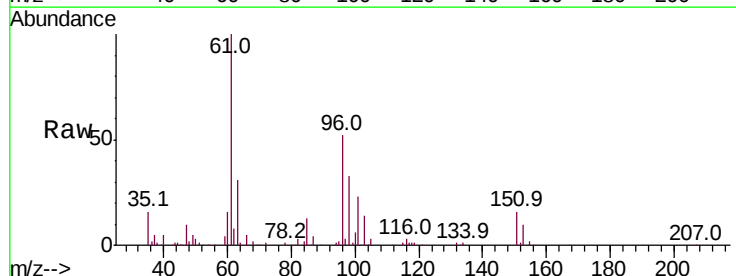
MMDadoda
 3/14/2019 3:12:17 PM

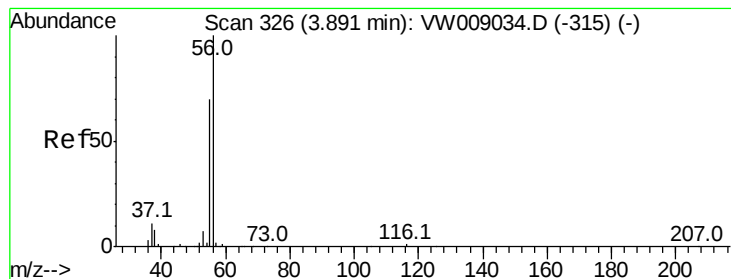


#12

1,1-Dichloroethene
 Concen: 19.317 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.1	138.2	207.2
98	63.1	51.3	76.9





#13

Acrolein

Concen: 75.979 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 56 Resp: 18464

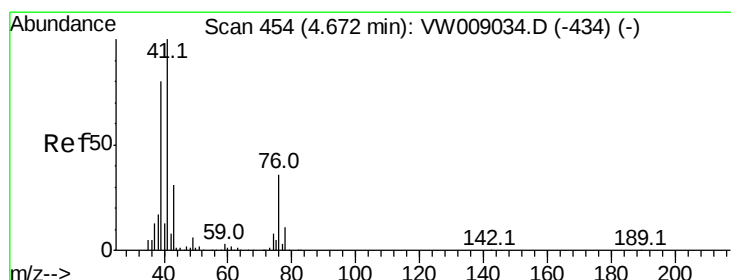
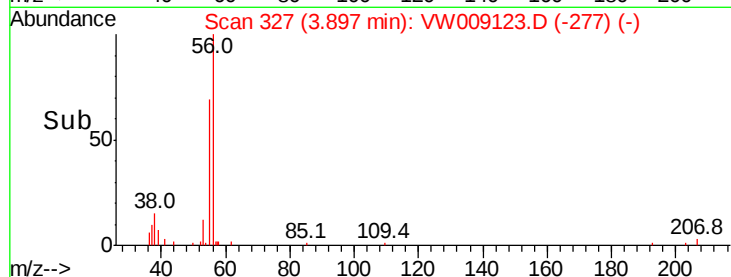
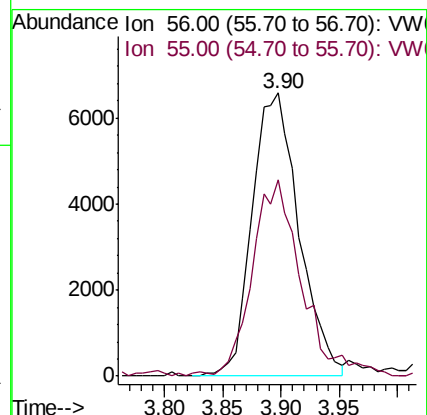
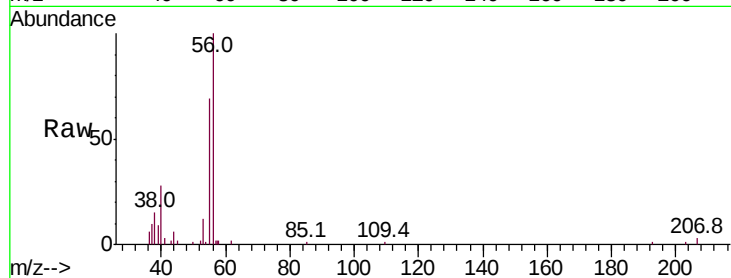
Ion Ratio Lower Upper

56 100

55 72.4 56.6 84.8

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 18.925 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

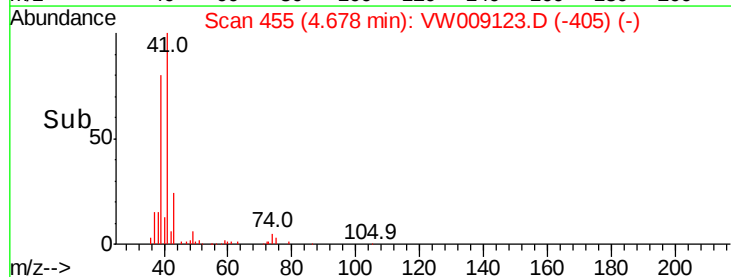
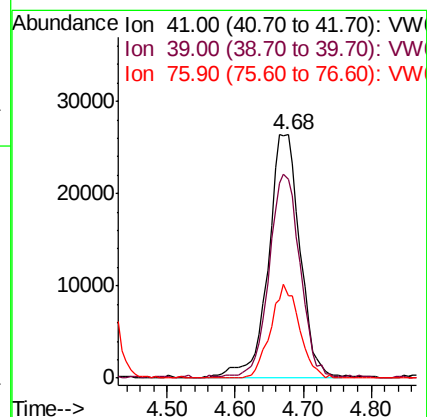
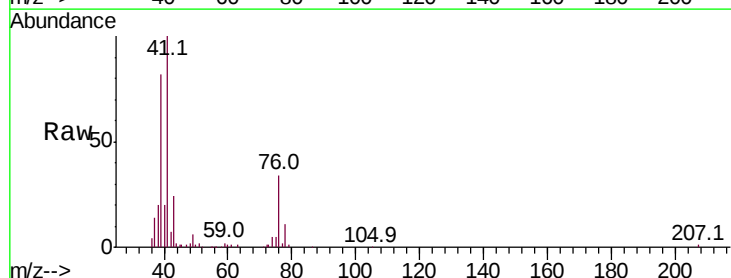
Tgt Ion: 41 Resp: 85941

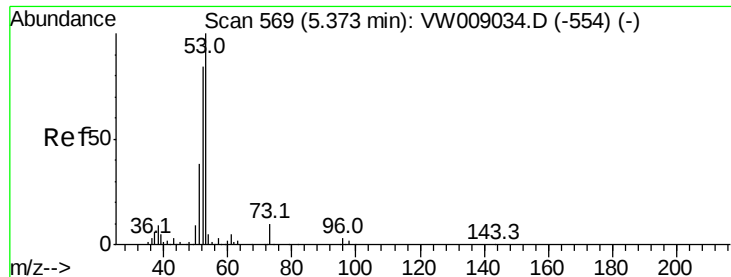
Ion Ratio Lower Upper

41 100

39 80.6 63.0 94.4

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 93.964 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

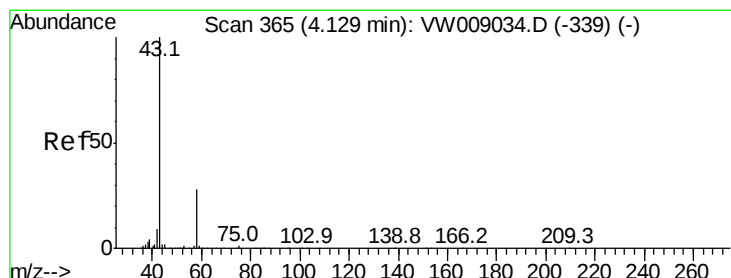
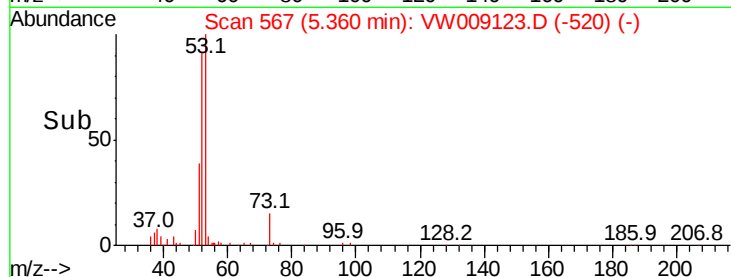
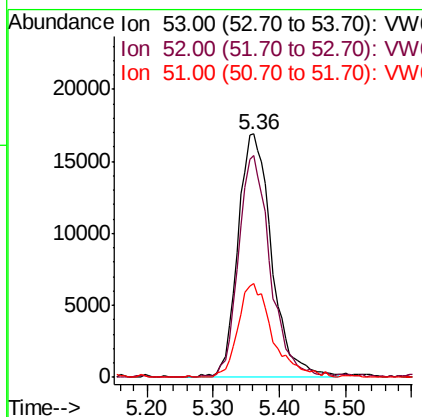
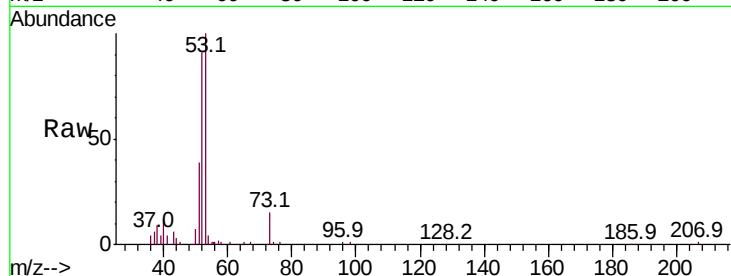
ClientSampleId :

VW0312SBS01

Tot Ion:	53	Resp:	60088
Ion	Ratio	Lower	Upper
53	100		
52	85.2	67.2	100.8
51	38.8	31.8	47.6

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 115.971 ug/l

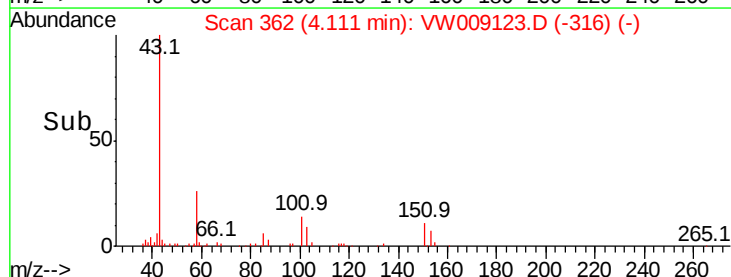
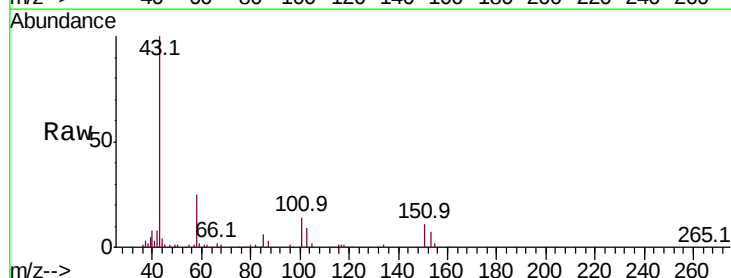
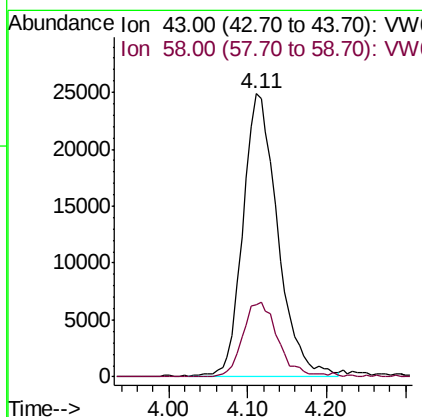
RT: 4.11 min Scan# 362

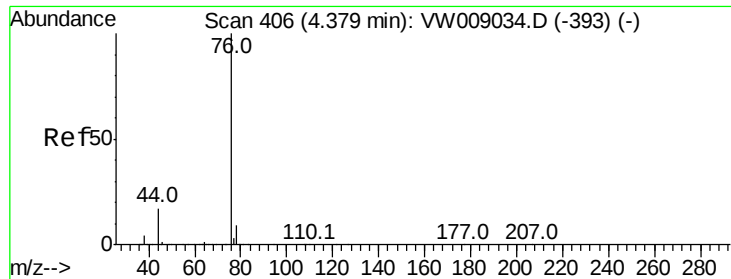
Delta R.T. -0.02 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	43	Resp:	75419
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.5	33.7





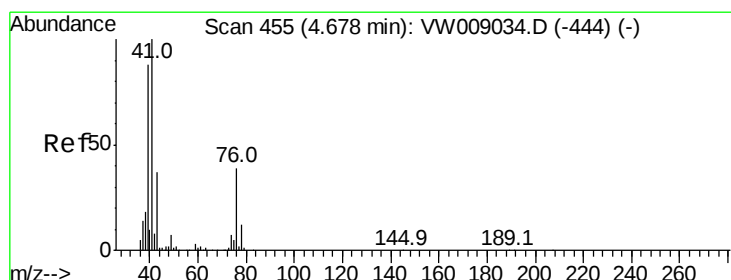
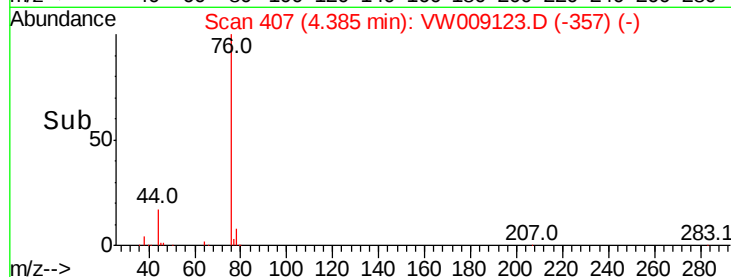
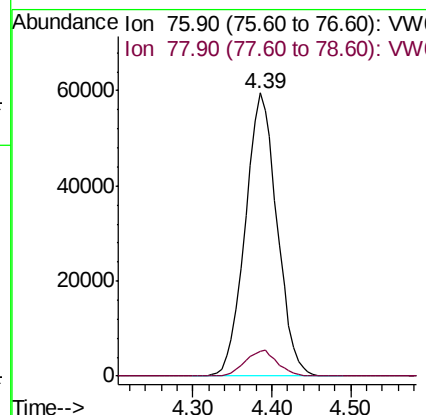
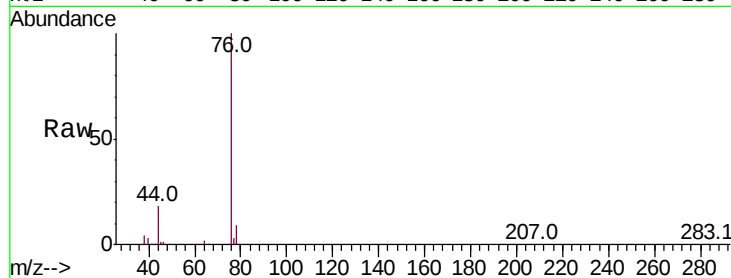
#17
Carbon Disulfide
Concen: 19.257 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

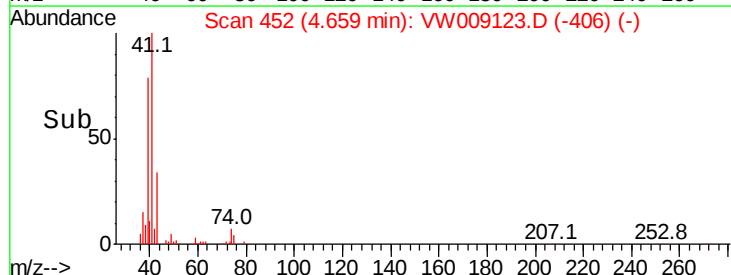
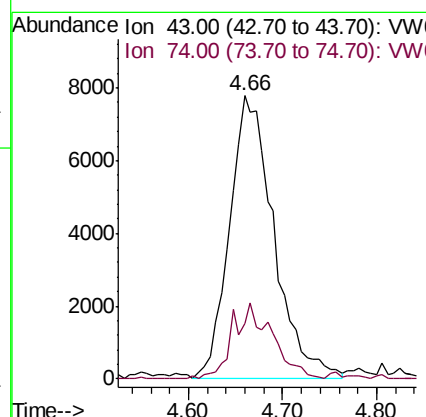
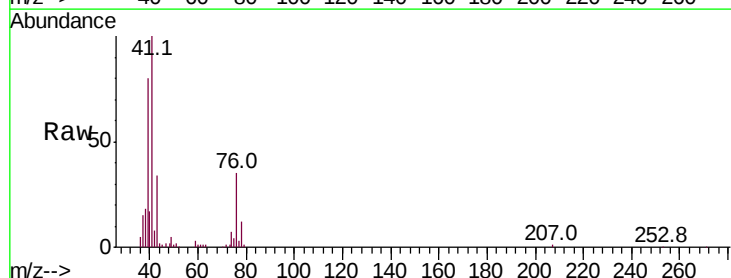
Manual Integrations
APPROVED

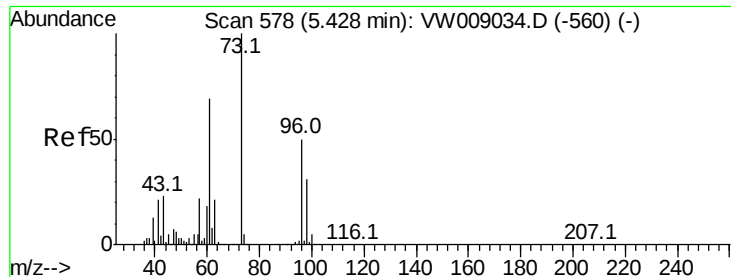
MMDadoda
3/14/2019 3:12:17 PM



#18
Methyl Acetate
Concen: 17.126 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.02 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.6	26.4





#19

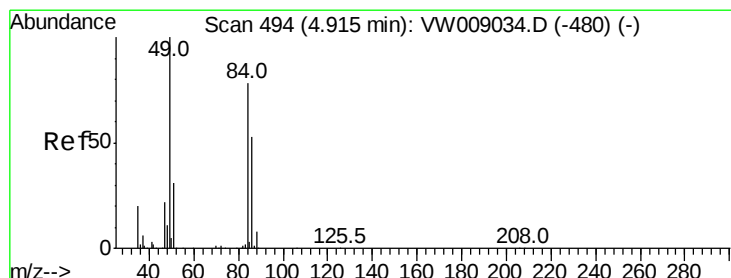
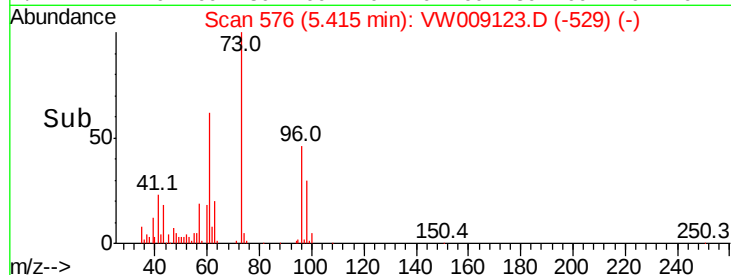
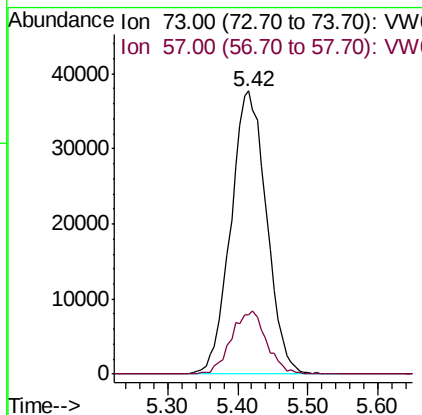
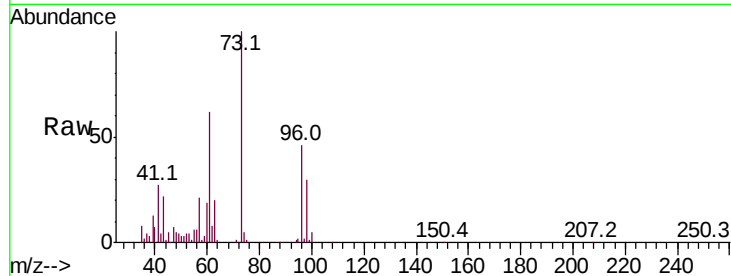
Methyl tert-butyl Ether
 Concen: 19.598 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion: 73 Resp: 133463
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.3 25.9

Manual Integrations
 APPROVED

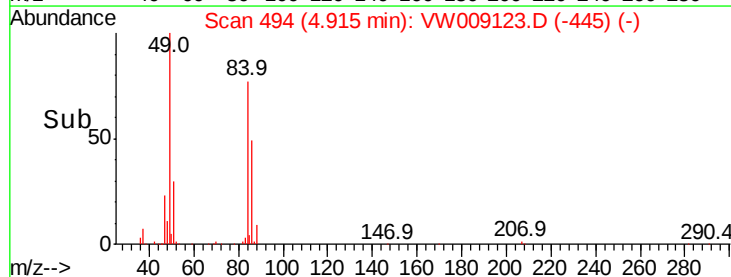
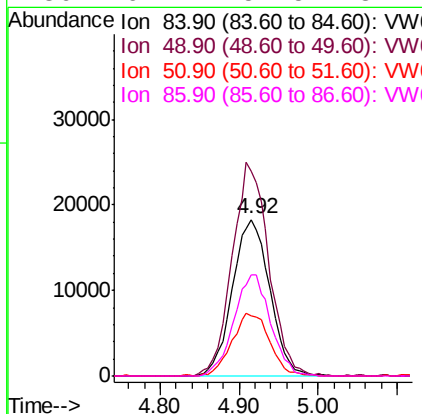
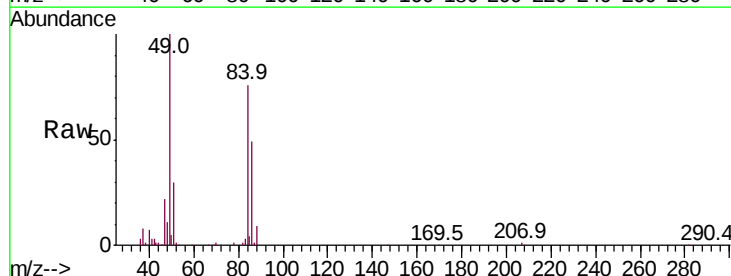
MMDadoda
 3/14/2019 3:12:17 PM

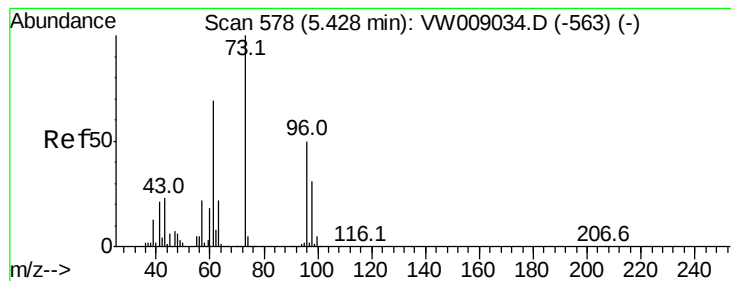


#20

Methylene Chloride
 Concen: 15.986 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Tgt Ion: 84 Resp: 60198
 Ion Ratio Lower Upper
 84 100
 49 131.1 102.4 153.6
 51 38.8 31.6 47.4
 86 64.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.856 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 96 Resp: 59022

Ion Ratio Lower Upper

96 100

61 147.6 111.0 166.6

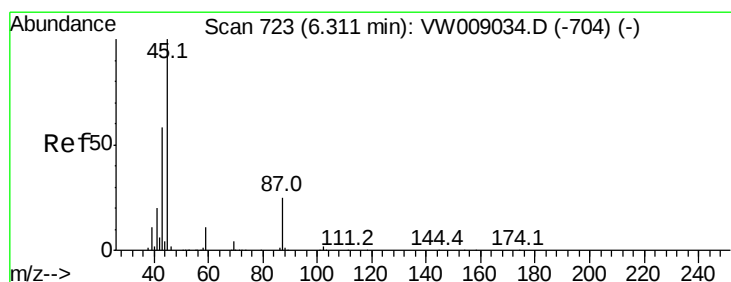
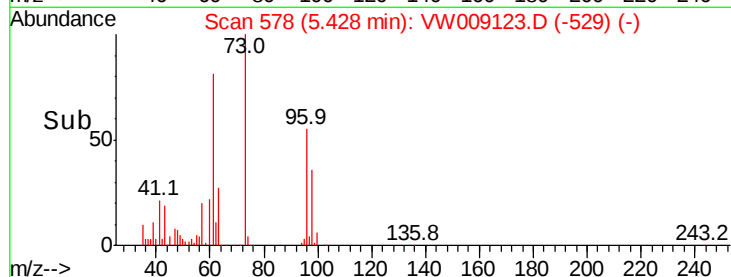
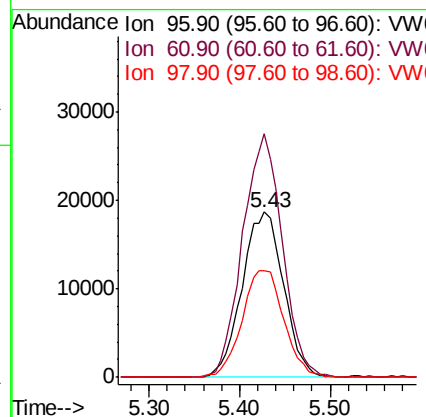
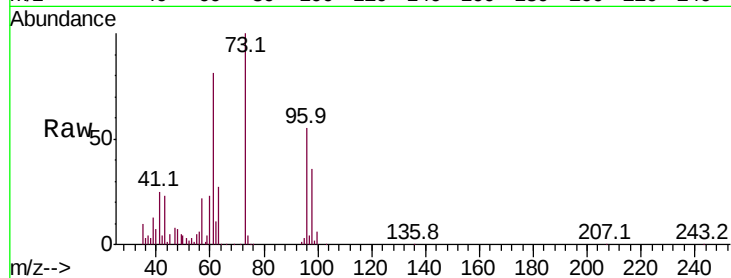
98 65.0 49.4 74.0

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 20.908 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion: 45 Resp: 188683

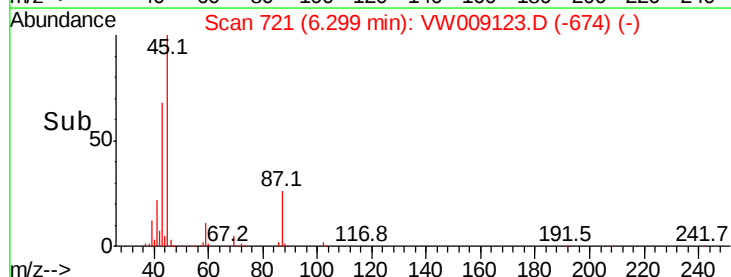
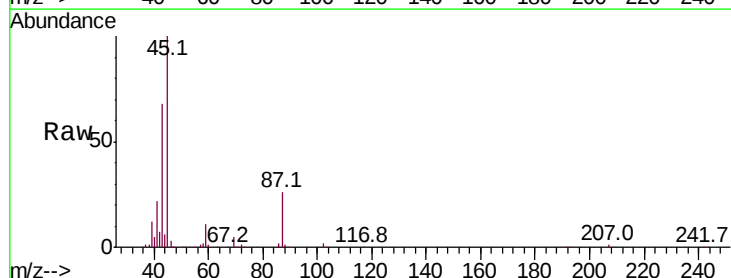
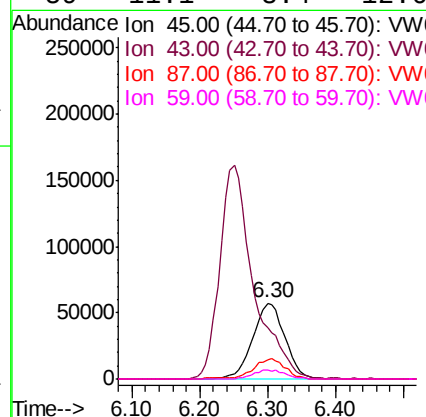
Ion Ratio Lower Upper

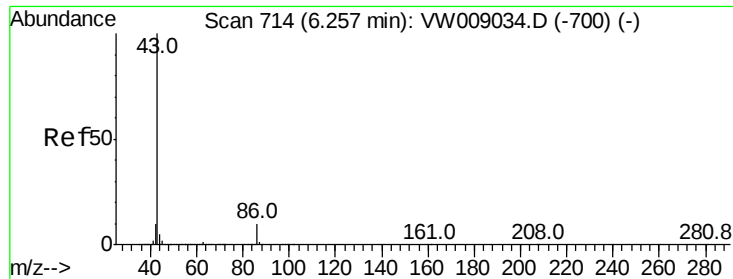
45 100

43 67.1 46.2 69.4

87 25.6 20.1 30.1

59 11.1 8.4 12.6





#23

Vinyl Acetate

Concen: 99.247 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 557341

Ion Ratio Lower Upper

43 100

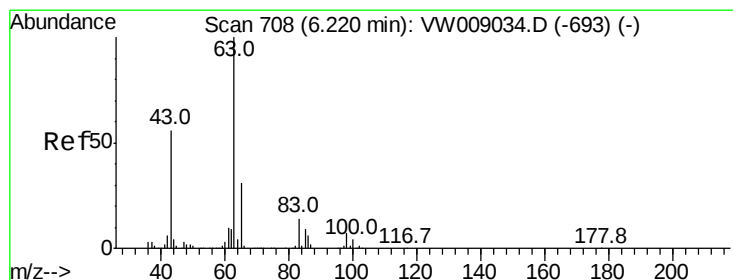
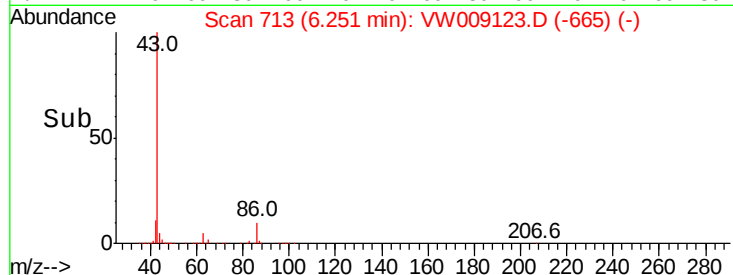
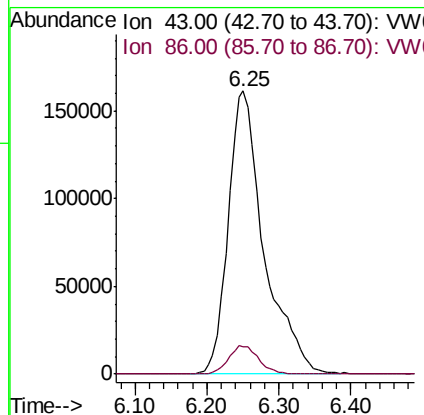
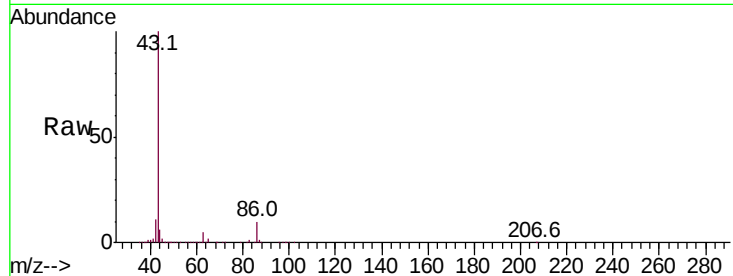
86 9.8 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/14/2019 3:12:17 PM



#24

1,1-Dichloroethane

Concen: 20.057 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

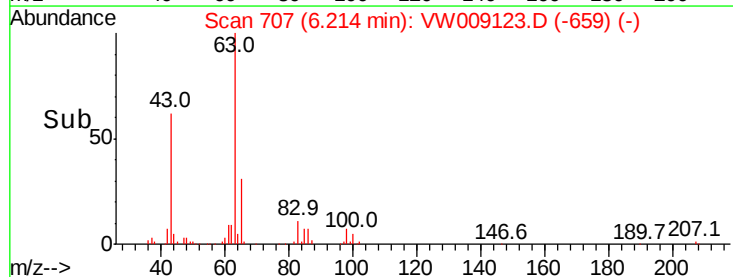
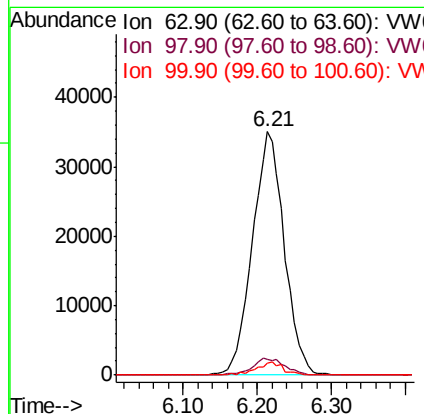
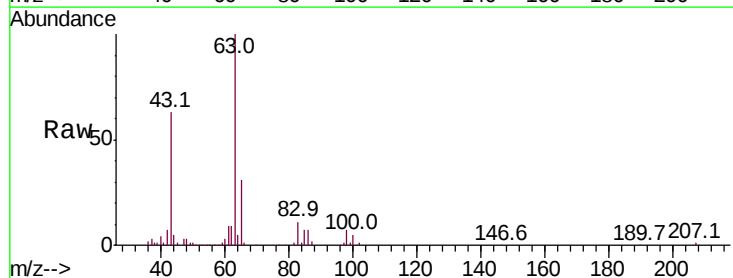
Tgt Ion: 63 Resp: 104984

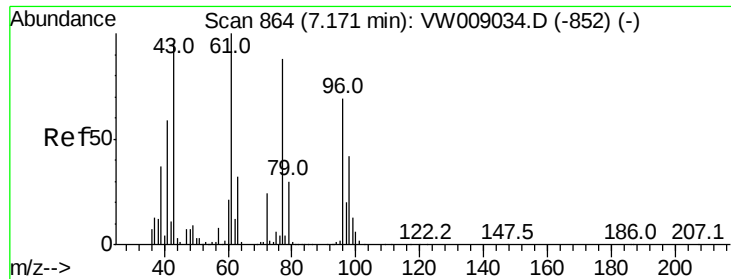
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.6 2.1 6.2





#25

2-Butanone

Concen: 96.136 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 86403

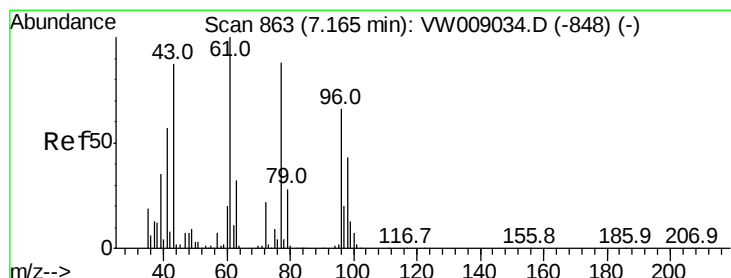
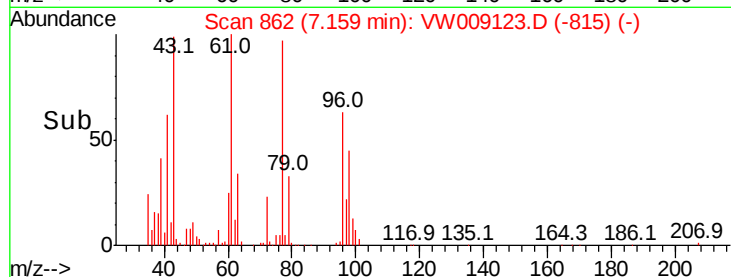
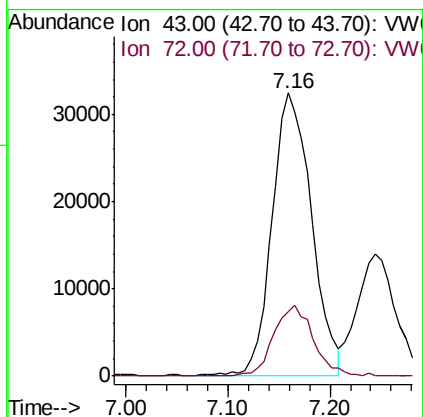
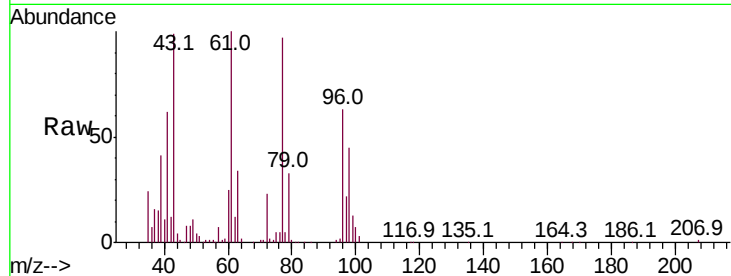
Ion Ratio Lower Upper

43 100

72 22.9 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:12:17 PM



#26

2,2-Dichloropropane

Concen: 20.840 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009123.D

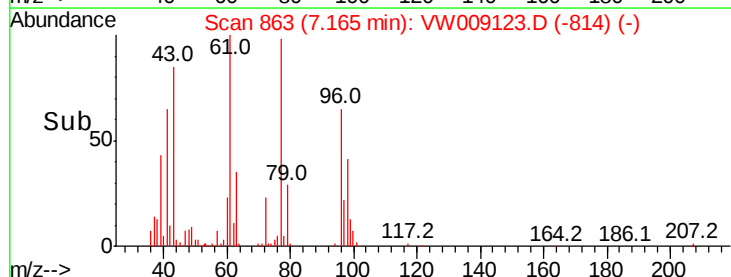
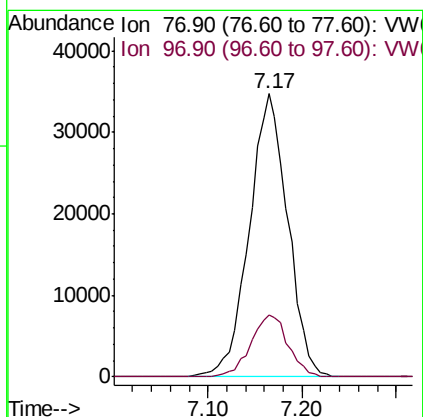
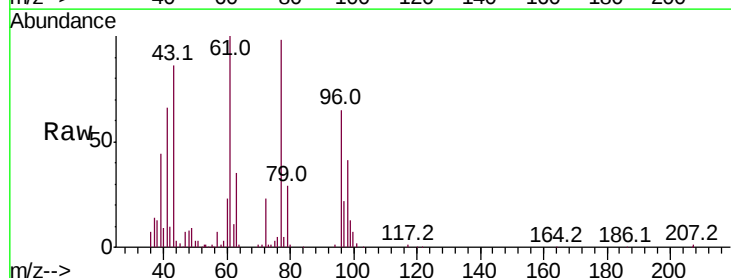
Acq: 12 Mar 2019 14:23

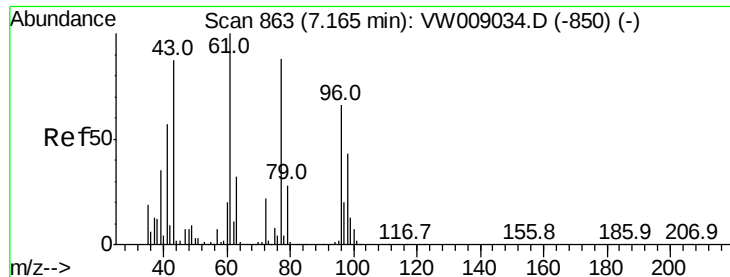
Tgt Ion: 77 Resp: 99150

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.9





#27

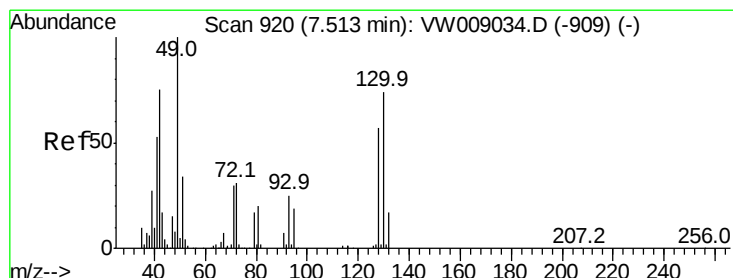
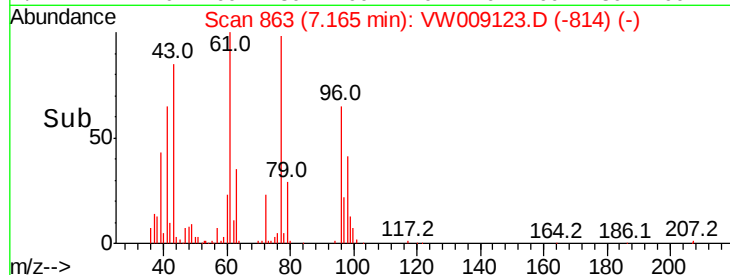
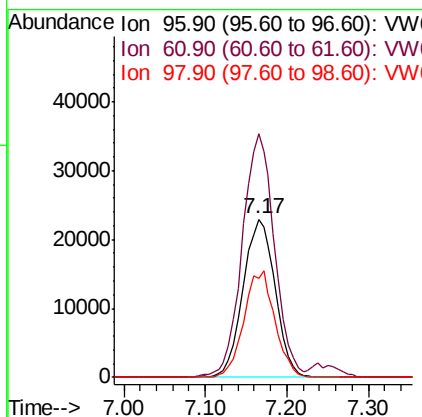
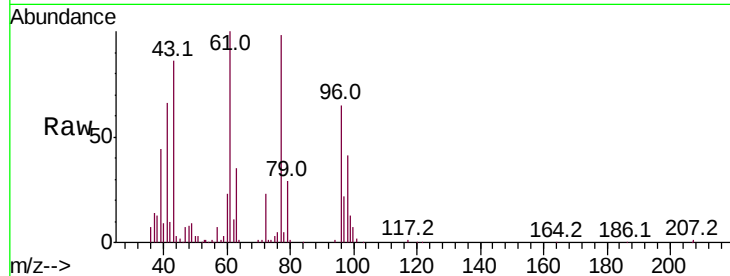
cis-1,2-Dichloroethene
Concen: 19.710 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	299.8
98	64.8	0.0	127.2

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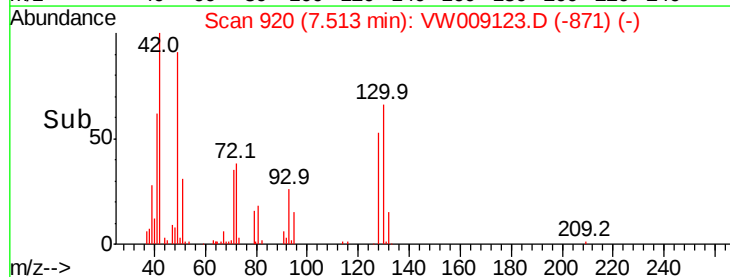
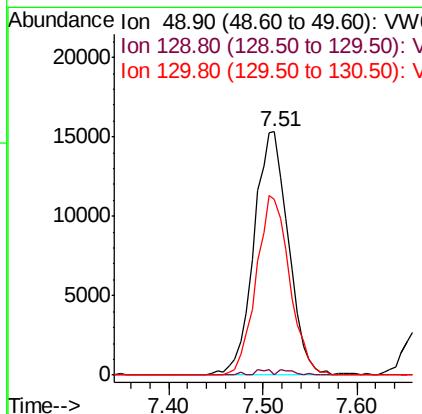
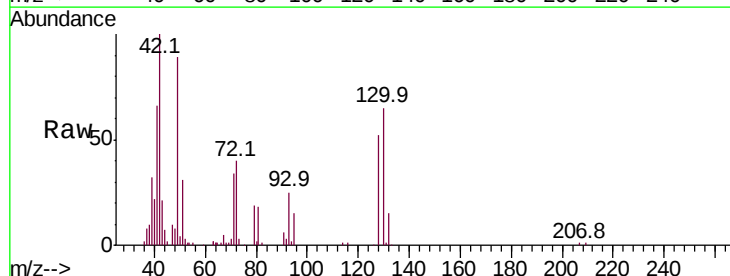
MMDadoda
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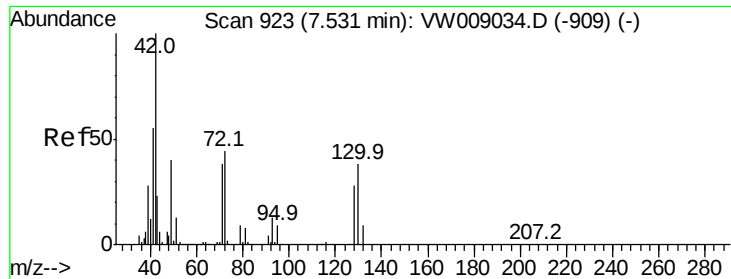


#28

Bromochloromethane
Concen: 18.070 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	71.6	60.4	90.6





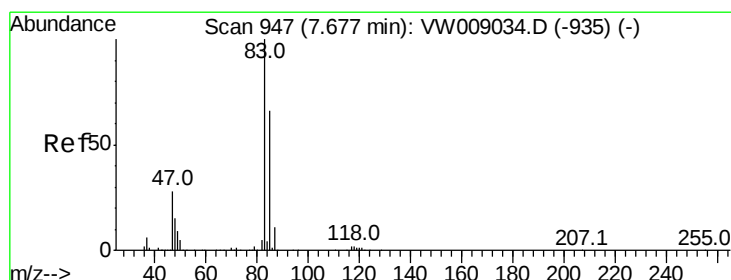
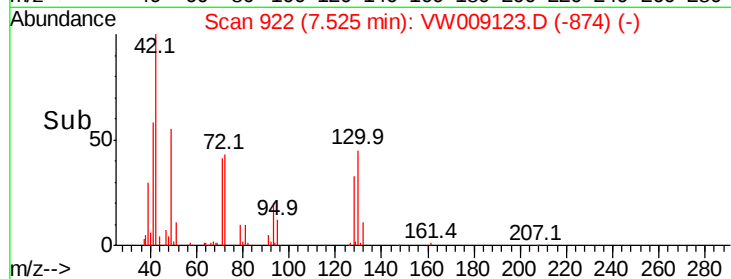
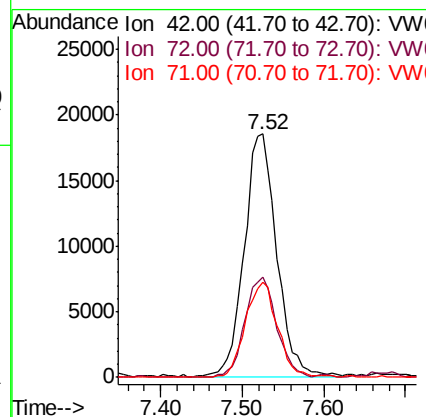
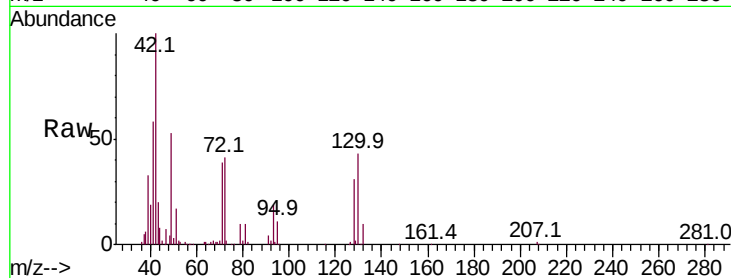
#29
Tetrahydrofuran
Concen: 90.299 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.2	48.4
71	38.4	30.7	46.1

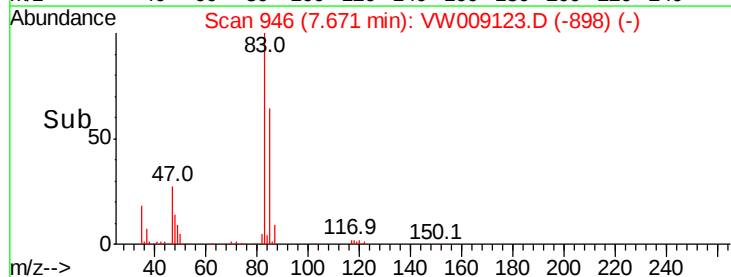
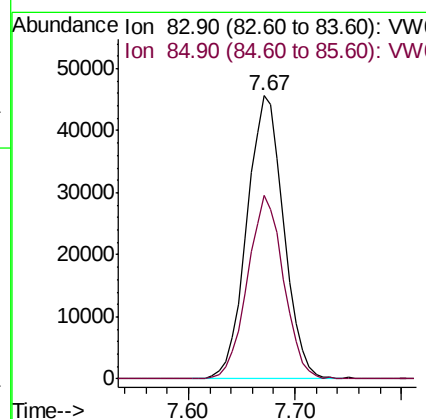
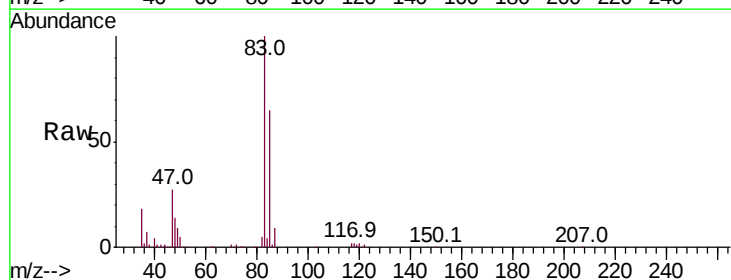
Manual Integrations
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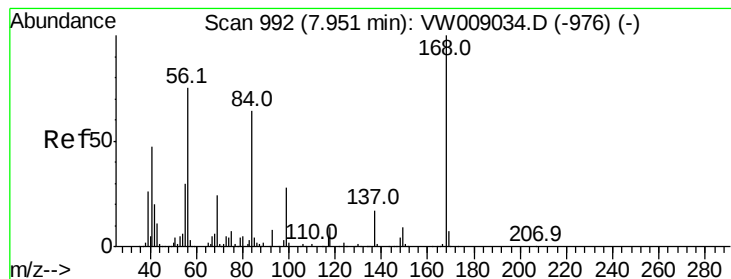
MMDadoda
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#30
Chloroform
Concen: 20.536 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.0	79.6





#31

Cyclohexane

Concen: 20.212 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

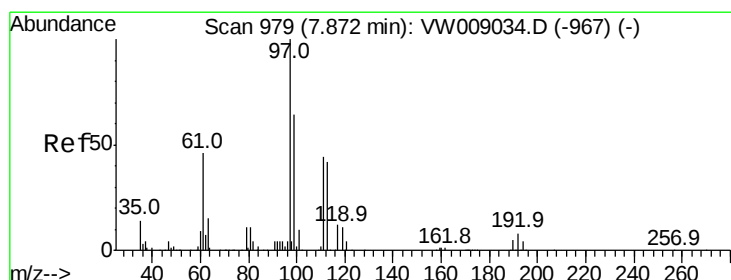
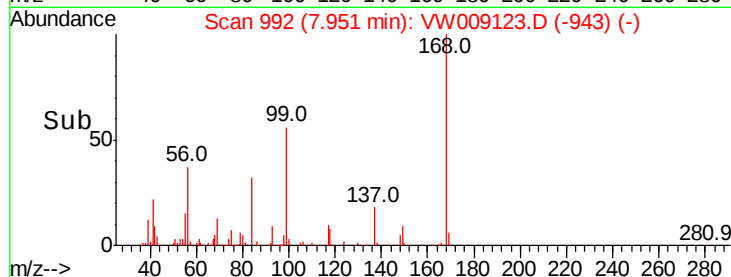
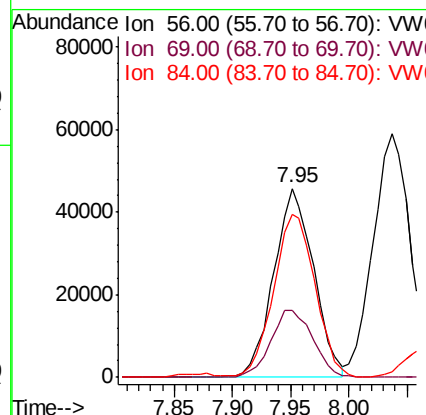
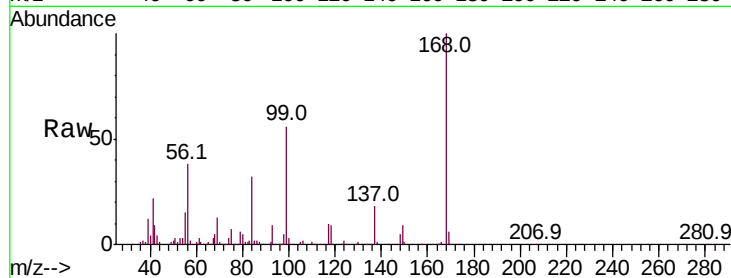
ClientSampleId :

VW0312SBS01

Tot Ion:	56	Resp:	108630
Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.5	38.3
84	84.5	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.452 ug/l

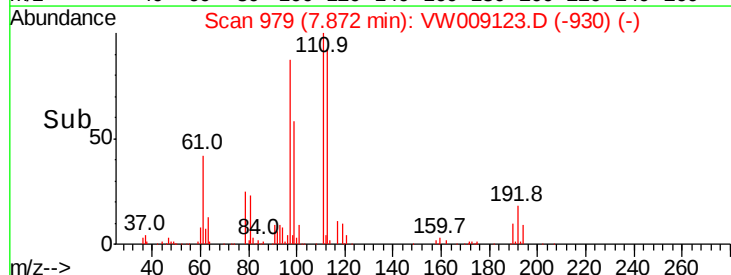
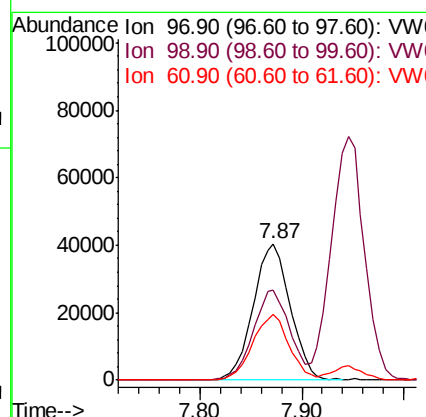
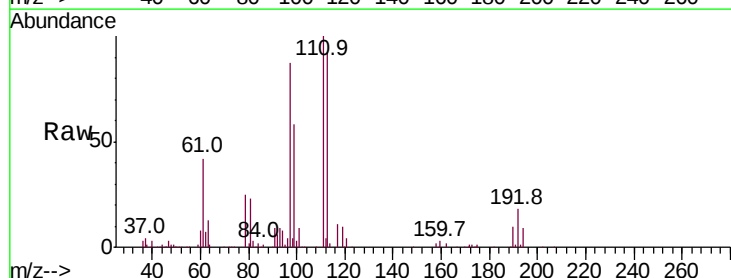
RT: 7.87 min Scan# 979

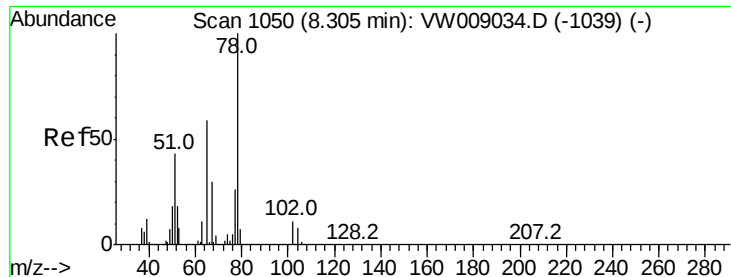
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	97	Resp:	101714
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	47.5	37.3	55.9





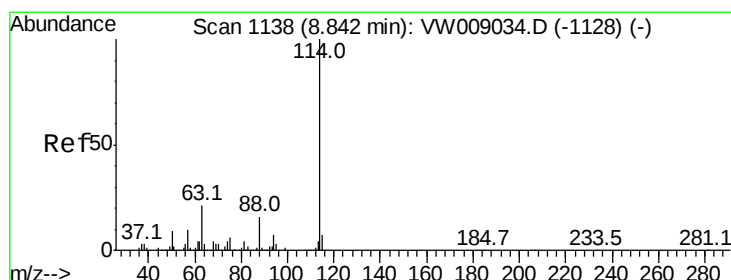
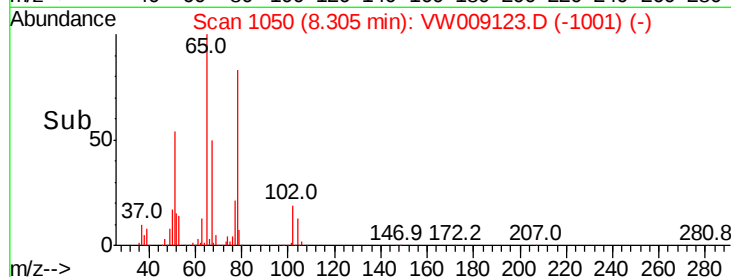
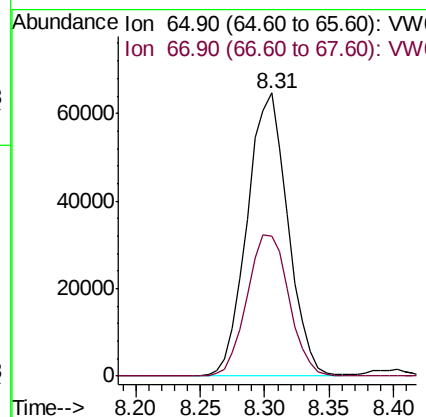
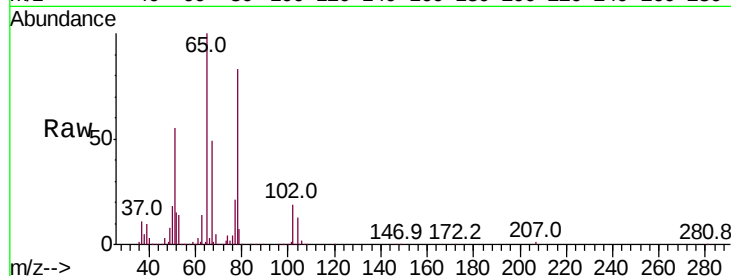
#33
 1,2-Dichloroethane-d4
 Concen: 49.114 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141540		
67	51.5	0.0	103.0	

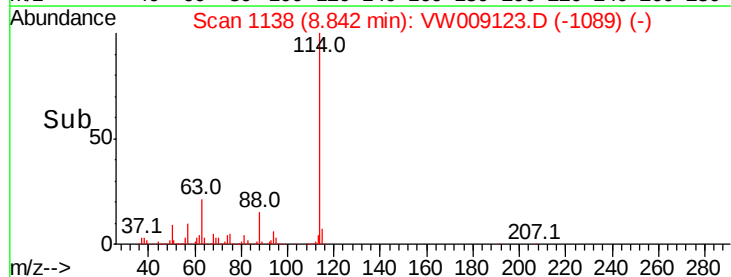
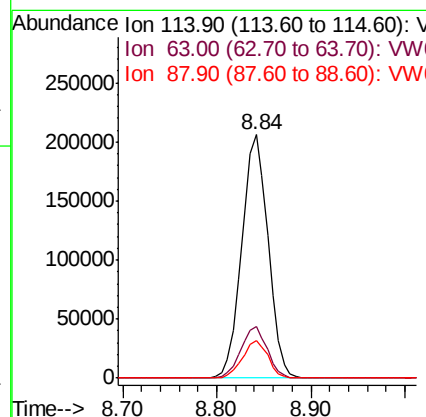
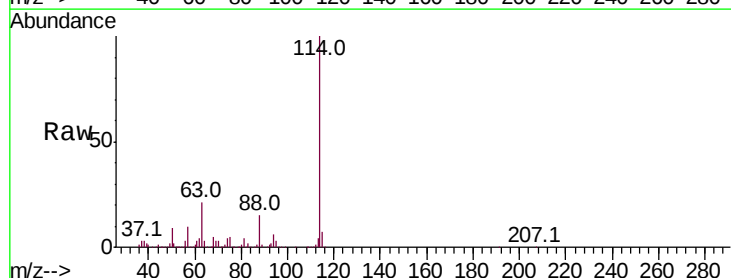
Manual Integrations
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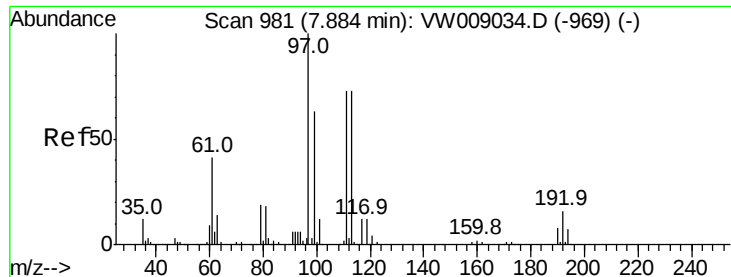
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401389		
63	20.9	0.0	41.2	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.005 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

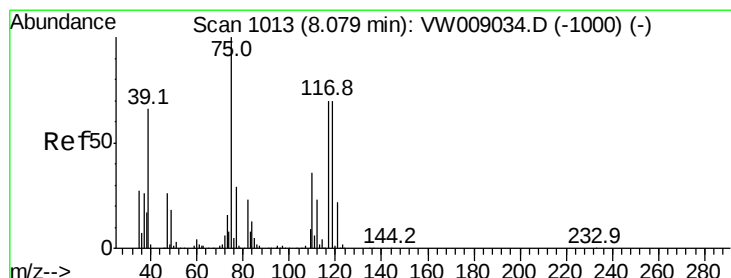
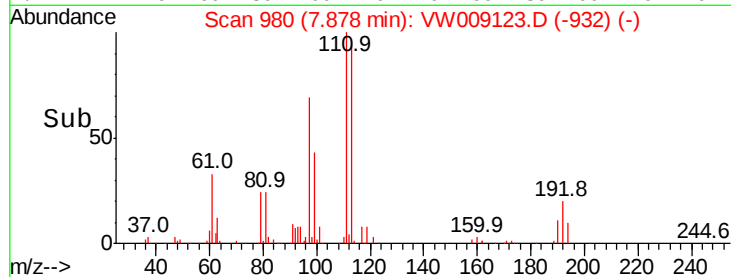
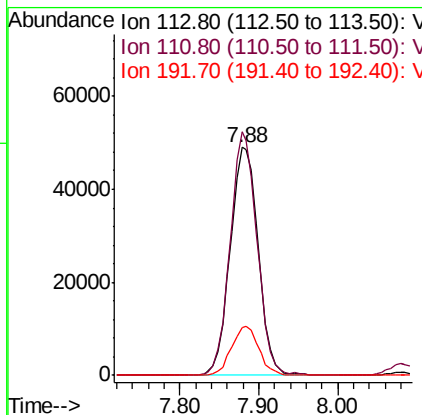
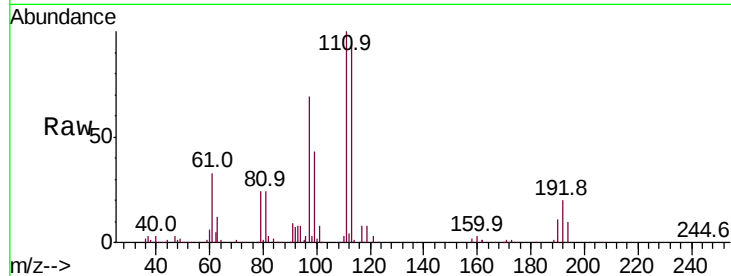
ClientSampleId :

VW0312SBS01

Tot Ion:	113	Resp:	120847
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.0	121.4
192	20.7	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.372 ug/l

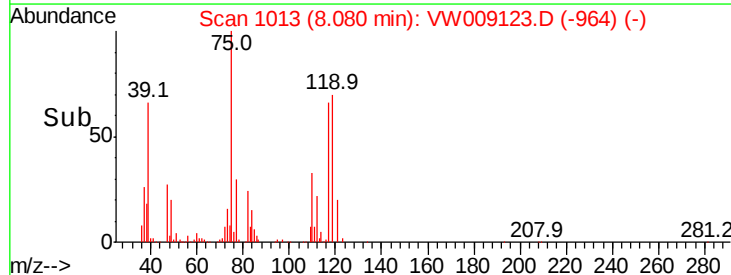
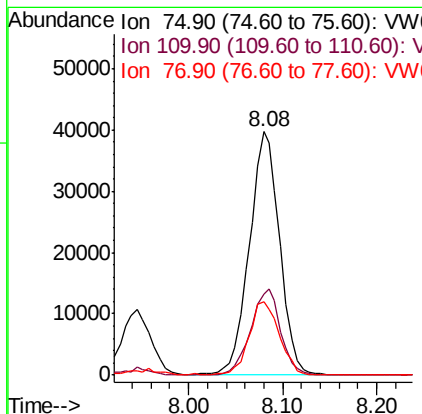
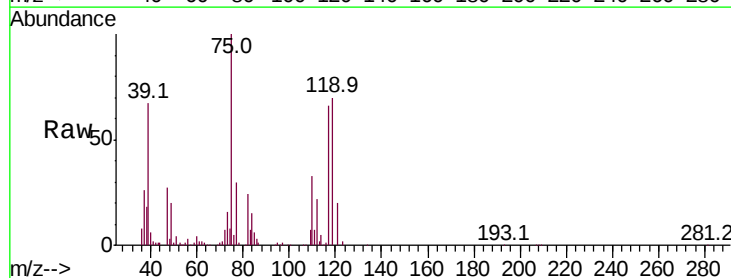
RT: 8.08 min Scan# 1013

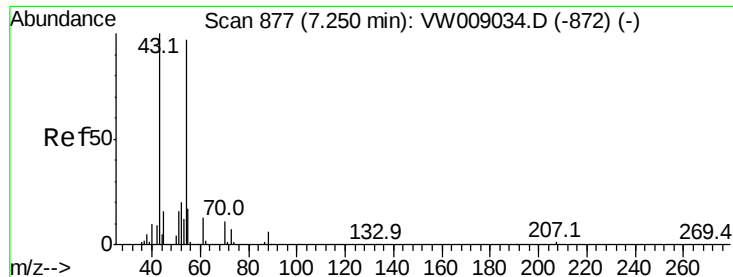
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	75	Resp:	89699
Ion Ratio	Lower	Upper	
75	100		
110	34.7	17.6	52.9
77	30.6	25.1	37.7





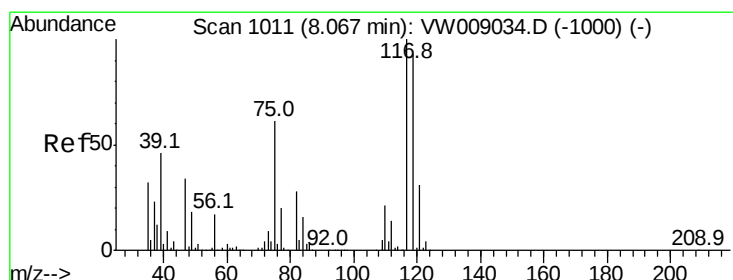
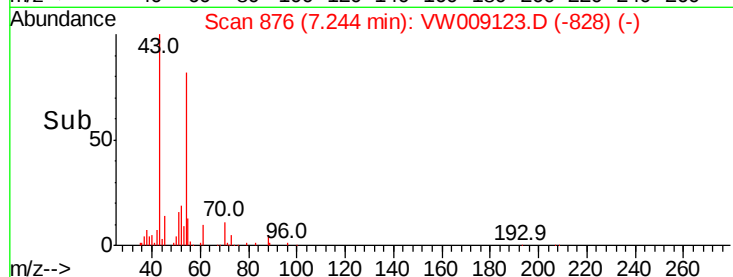
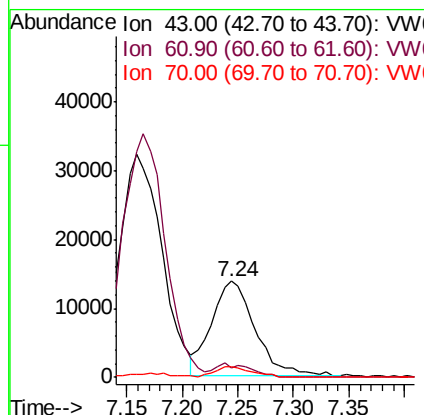
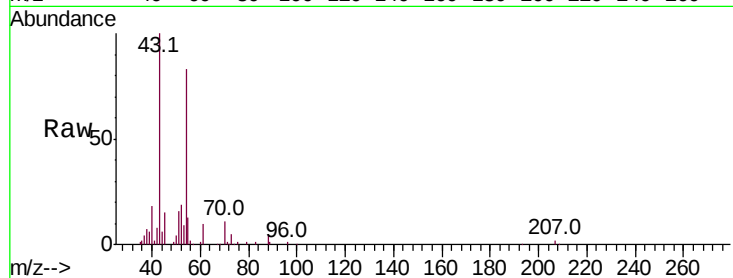
#37
Ethyl Acetate
Concen: 18.939 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.6
70	9.6	7.2	10.8

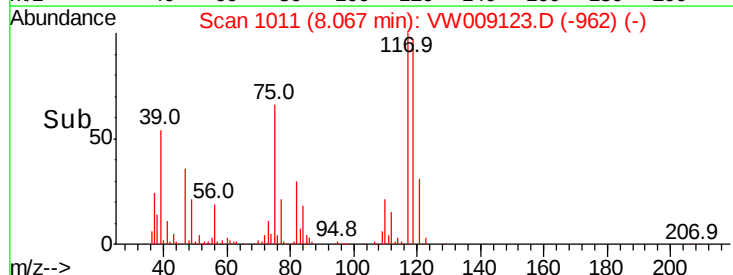
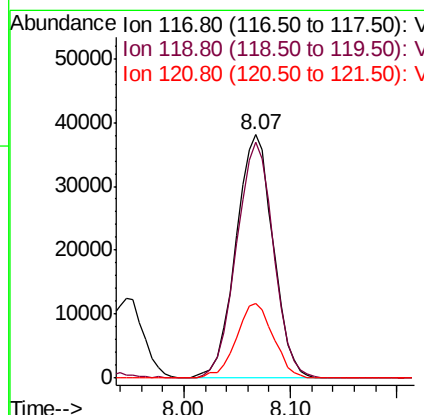
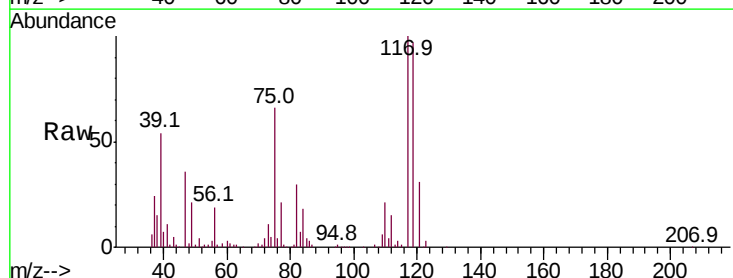
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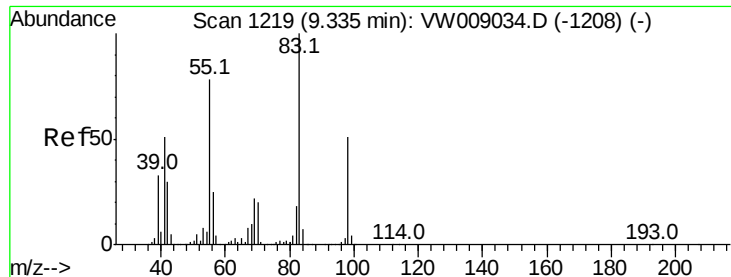
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#38
Carbon Tetrachloride
Concen: 21.559 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.6	112.0
121	30.8	24.7	37.1





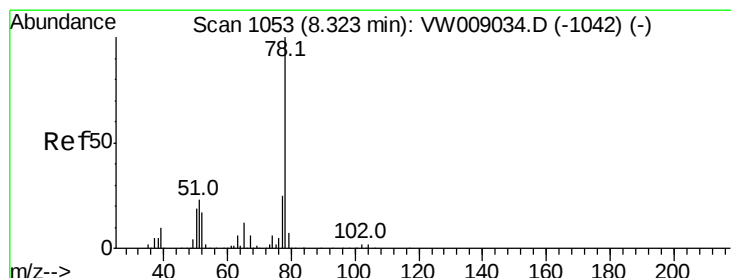
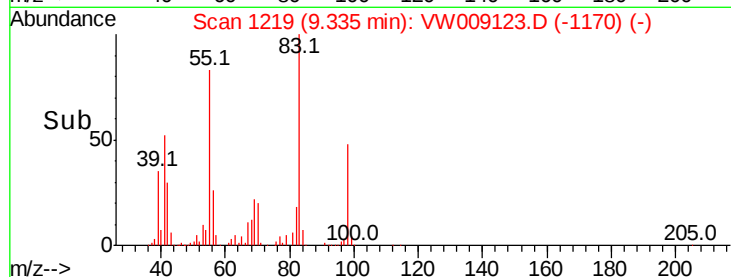
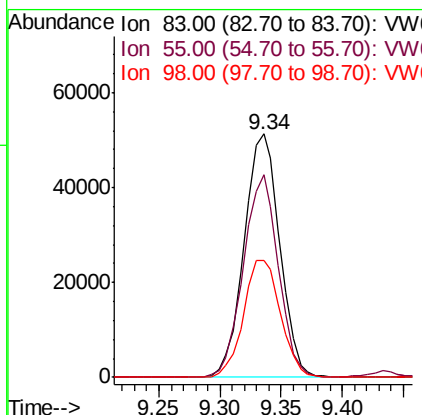
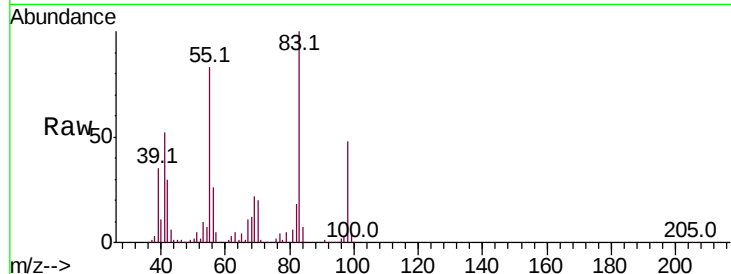
#39
Methvlcvclohexane
Concen: 20.778 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	62.7	94.1
98	47.8	40.8	61.2

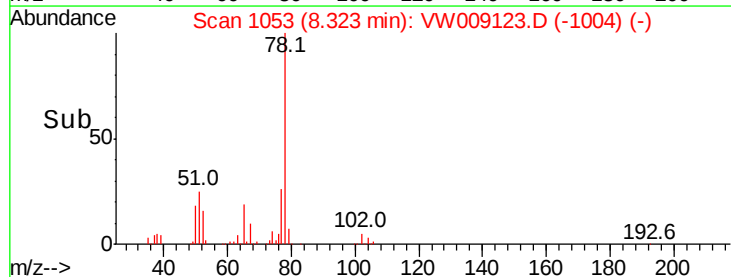
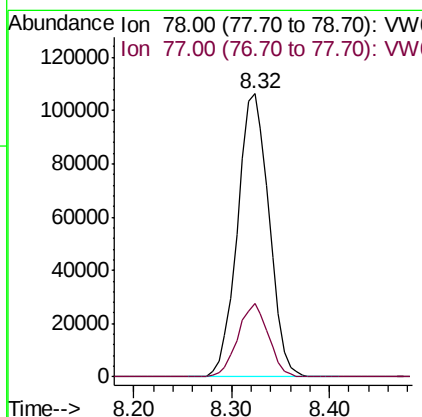
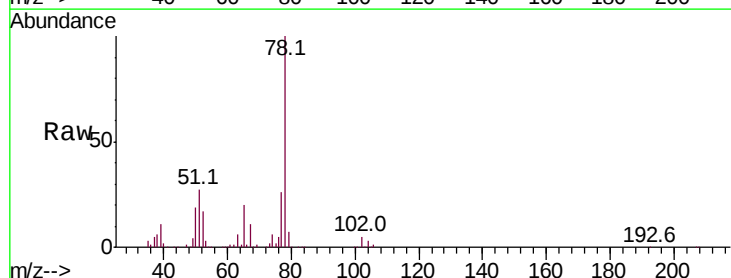
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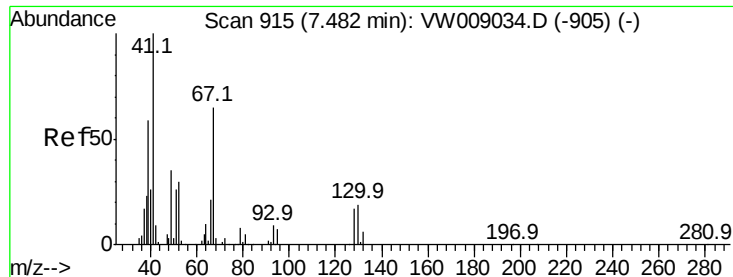
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#40
Benzene
Concen: 21.195 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	20.2	30.4





#41

Methacrylonitrile

Concen: 19.434 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 41 Resp: 21275

Ion Ratio Lower Upper

41 100

39 57.8 53.6 80.4

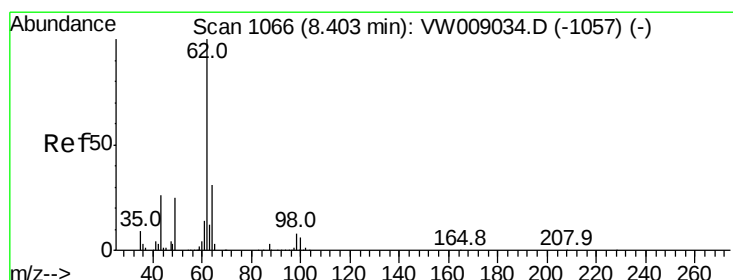
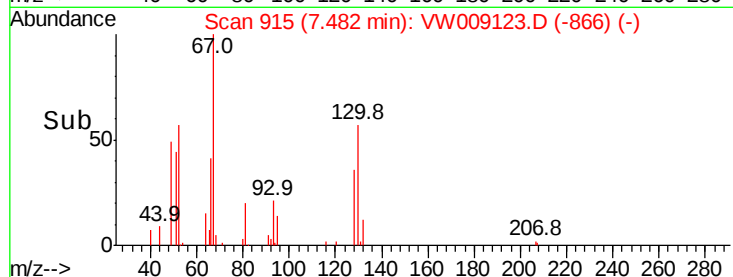
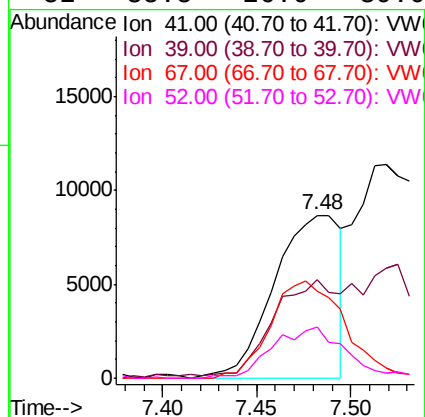
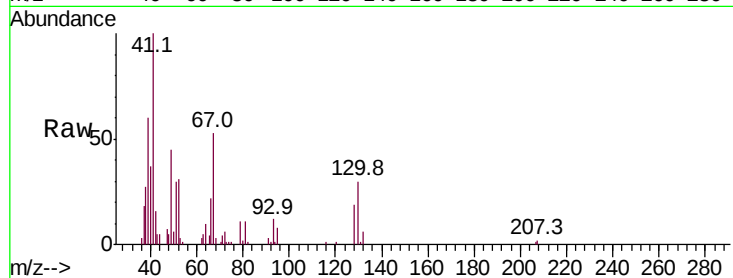
67 67.4 57.6 86.4

52 35.5 26.0 39.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.241 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009123.D

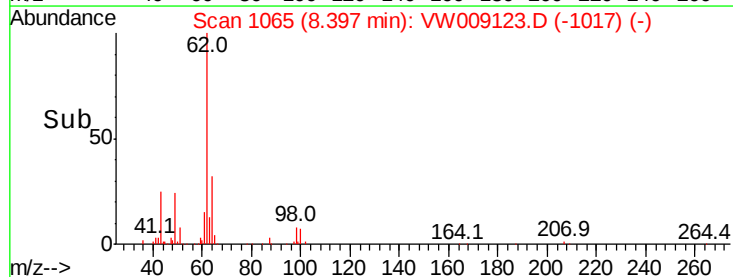
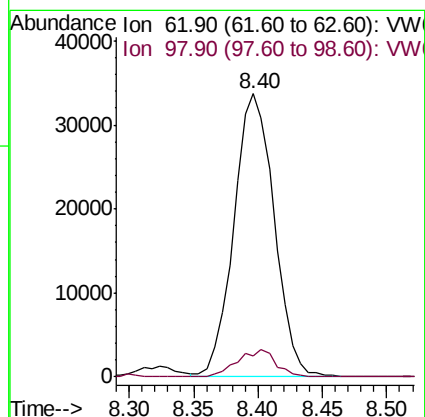
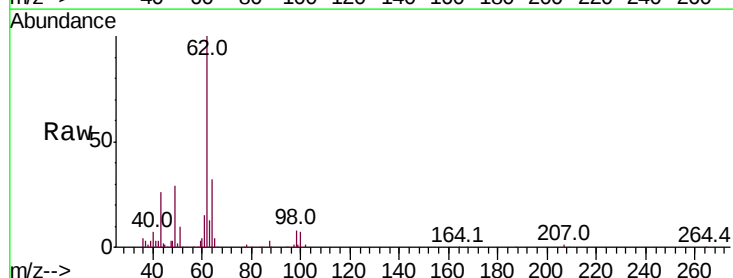
Acq: 12 Mar 2019 14:23

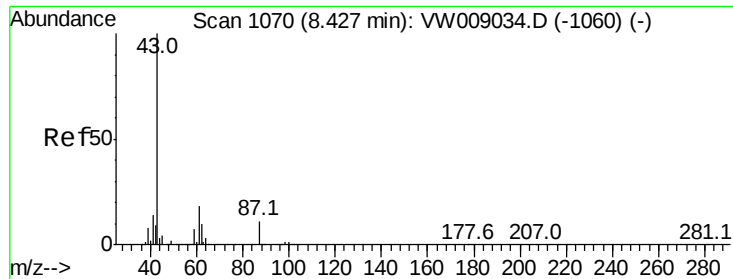
Tgt Ion: 62 Resp: 73213

Ion Ratio Lower Upper

62 100

98 9.2 0.0 17.6





#43

Isopropyl Acetate

Concen: 19.394 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

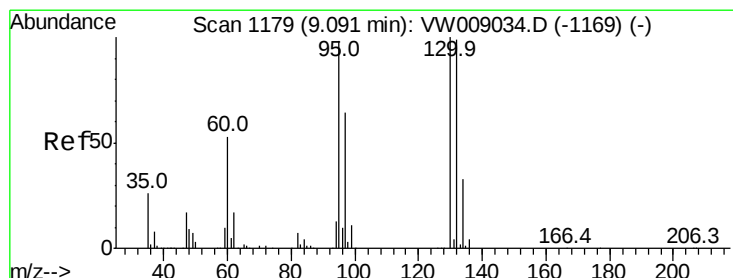
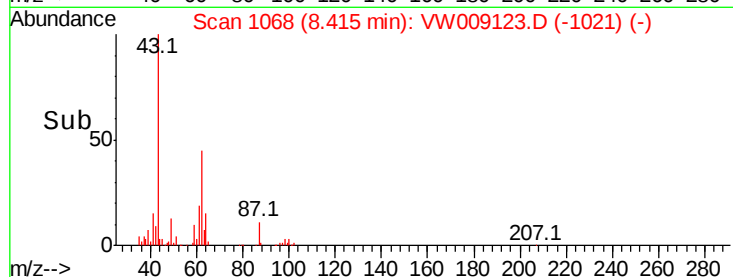
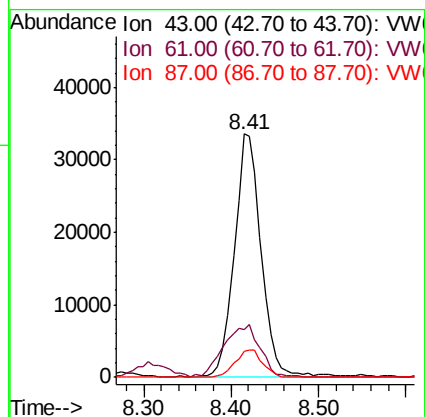
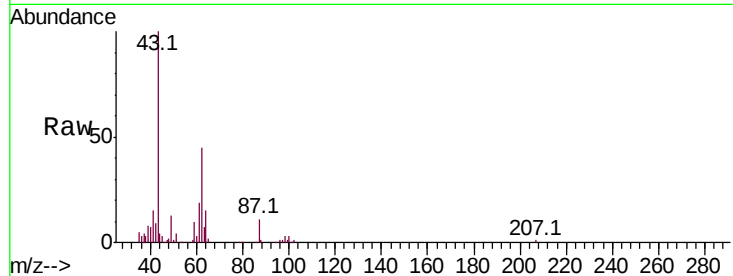
ClientSampleId :

VW0312SBS01

Tot Ion:	43	Resp:	71207
Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.8	34.2
87	11.7	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 21.032 ug/l

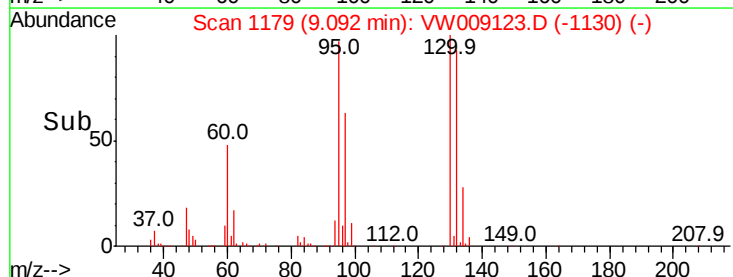
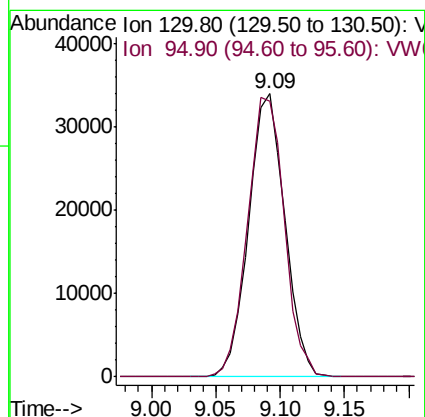
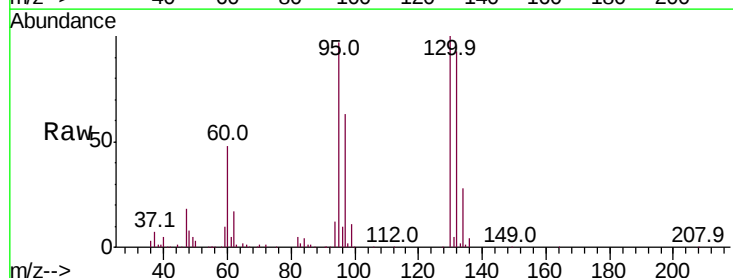
RT: 9.09 min Scan# 1179

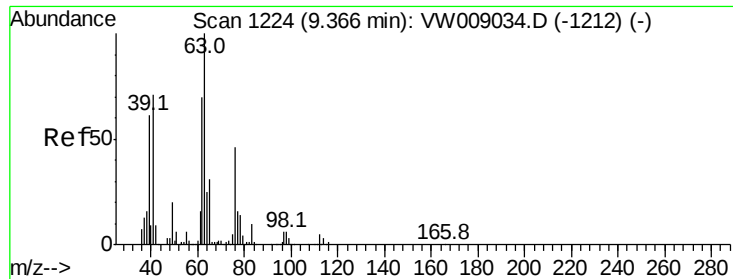
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	130	Resp:	66043
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 21.579 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 63 Resp: 60552

Ion Ratio Lower Upper

63 100

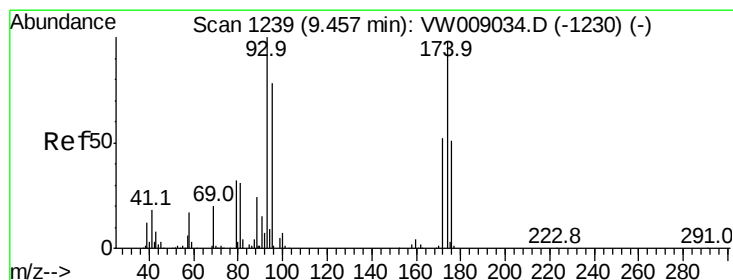
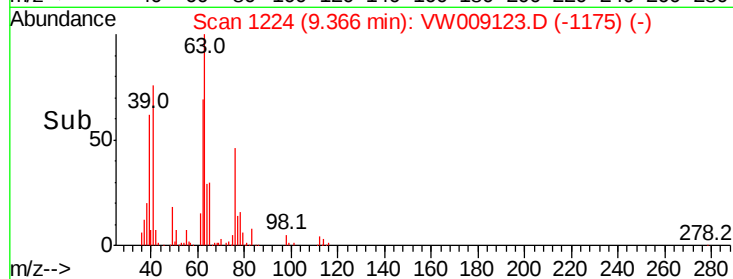
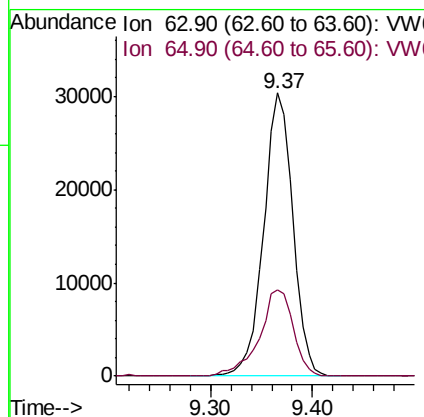
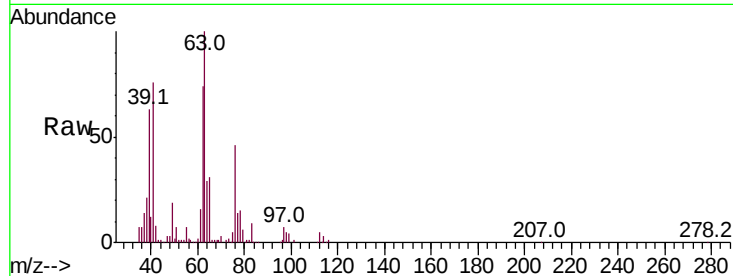
65 30.5 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 19.658 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

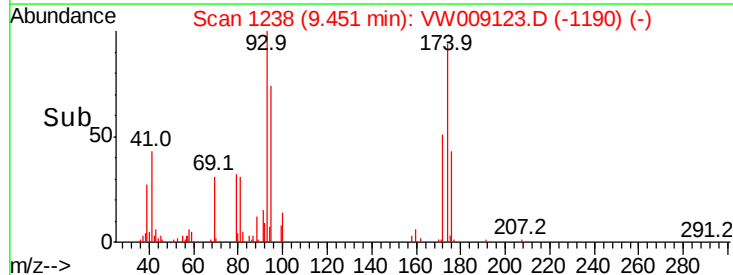
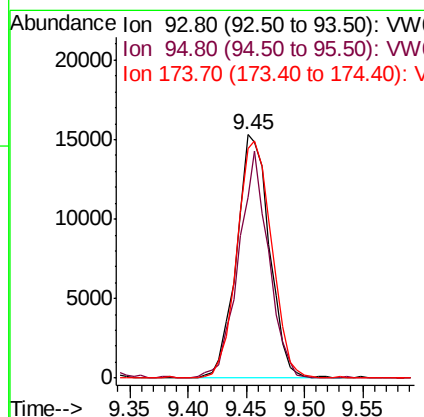
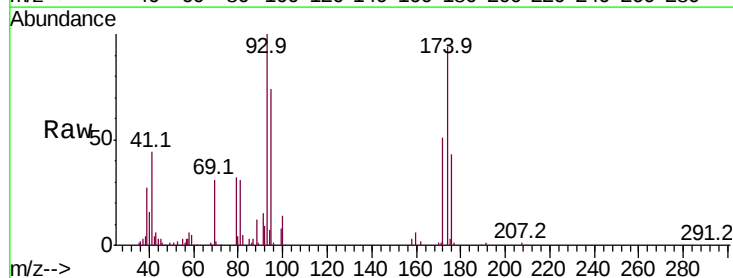
Tgt Ion: 93 Resp: 30125

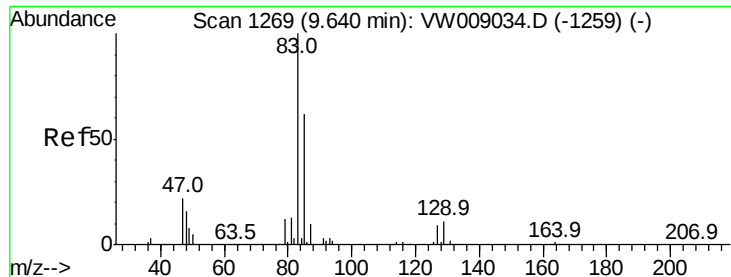
Ion Ratio Lower Upper

93 100

95 85.3 65.0 97.6

174 102.8 81.8 122.6





#47

Bromodichloromethane

Concen: 21.095 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

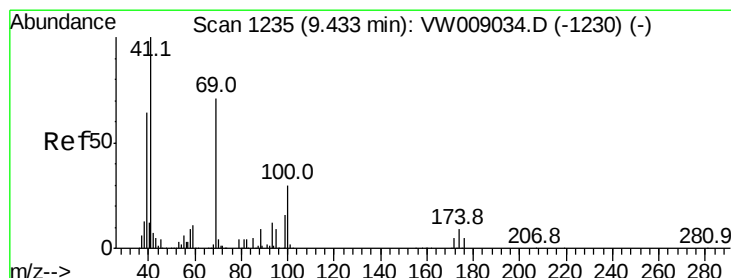
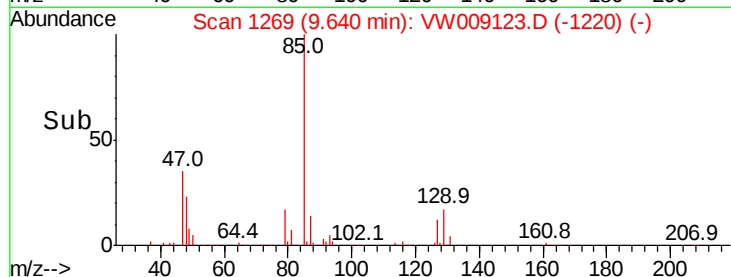
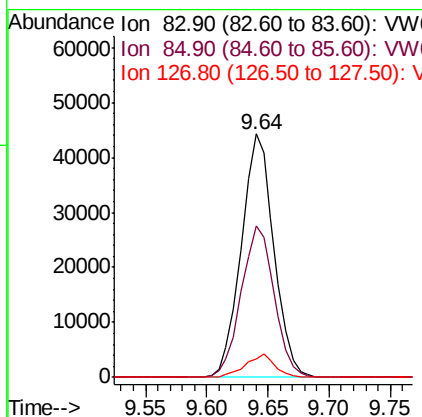
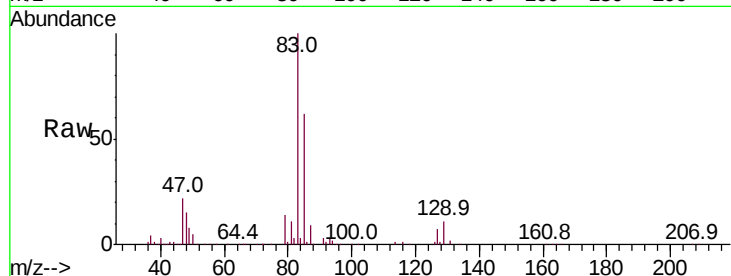
ClientSampleId :

VW0312SBS01

Tot Ion:	83	Resp:	81832
Ion Ratio	Lower	Upper	
83	100		
85	62.4	49.9	74.9
127	7.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.248 ug/l

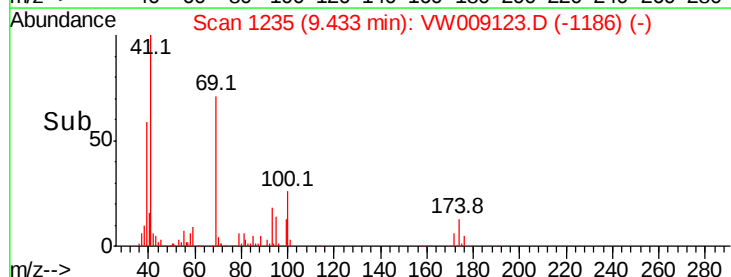
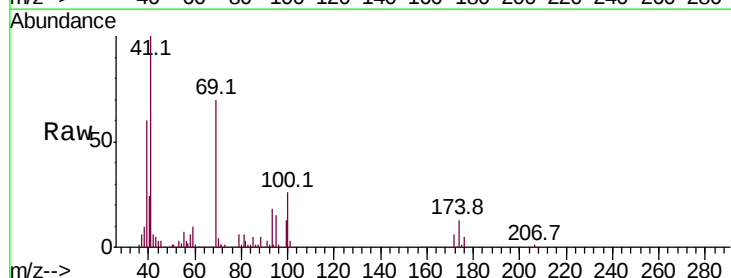
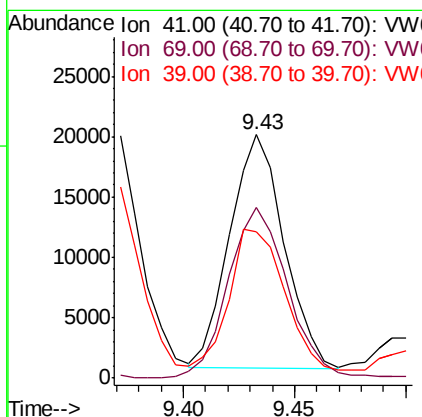
RT: 9.43 min Scan# 1235

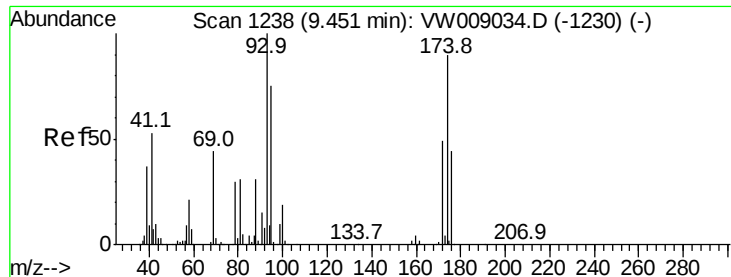
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	41	Resp:	32907
Ion Ratio	Lower	Upper	
41	100		
69	80.5	59.1	88.7
39	60.9	48.9	73.3





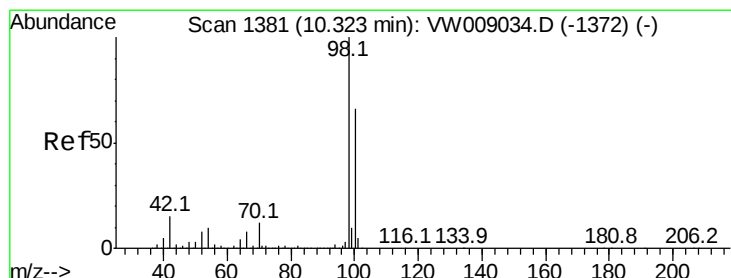
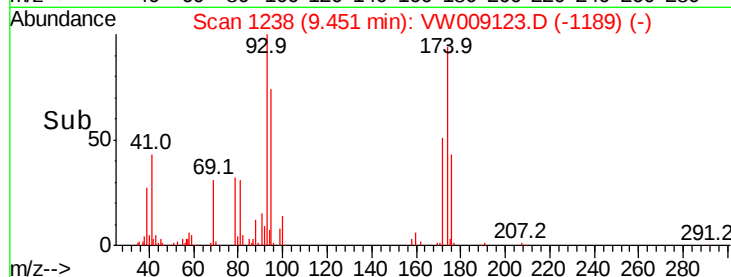
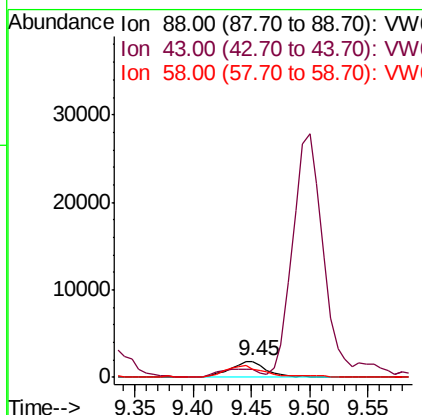
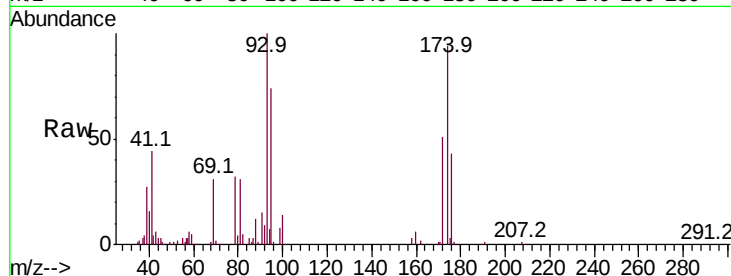
#49
1,4-Dioxane
Concen: 183.871 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.8	29.0	43.4#
58	74.9	59.2	88.8

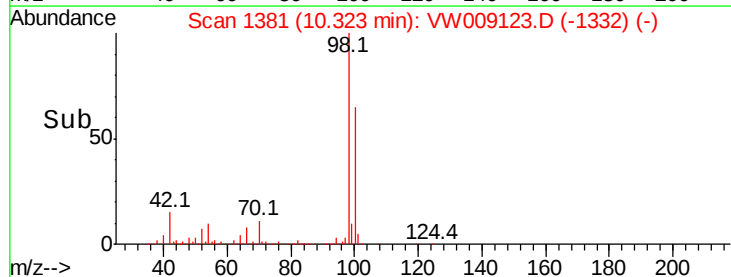
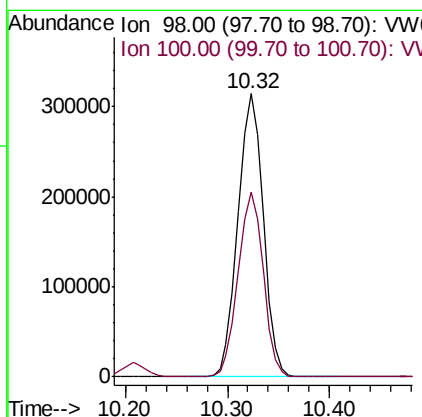
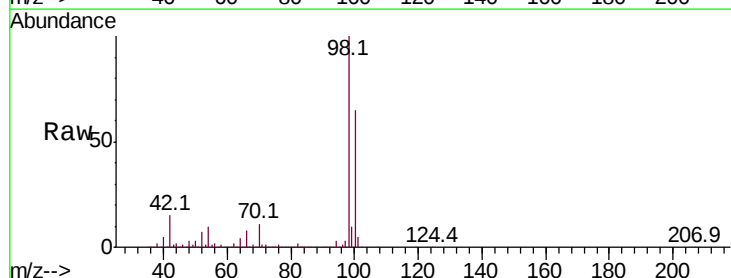
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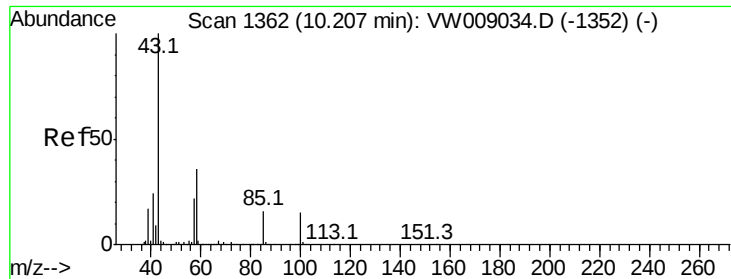
MMDadoda
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#50
Toluene-d8
Concen: 54.439 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 95.786 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 178543

Ion Ratio Lower Upper

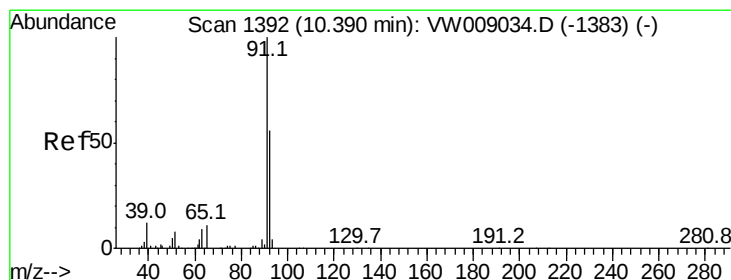
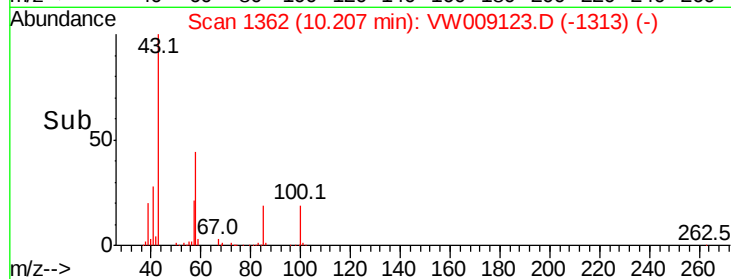
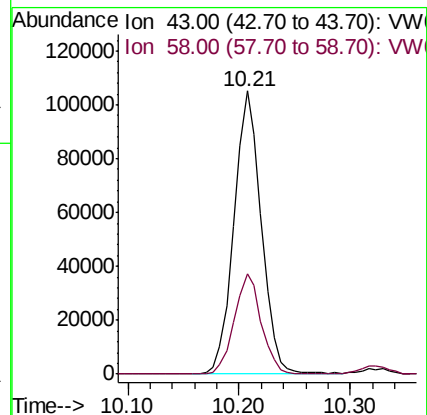
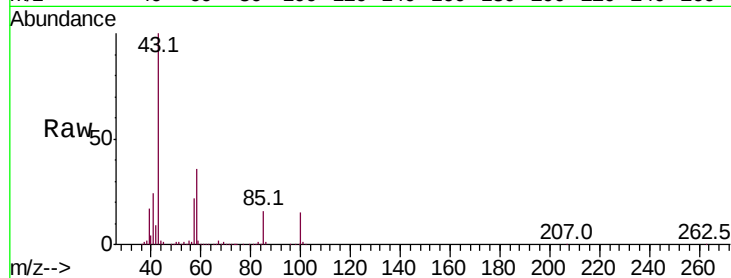
43 100

58 35.0 28.8 43.2

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#52

Toluene

Concen: 21.602 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009123.D

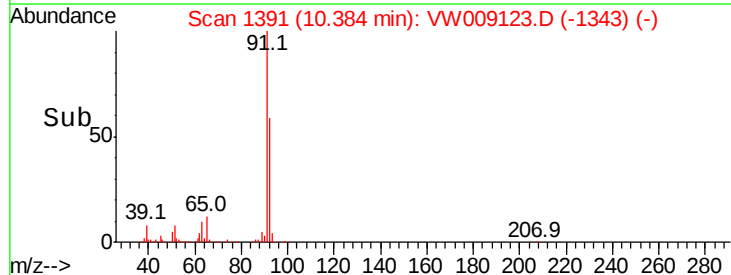
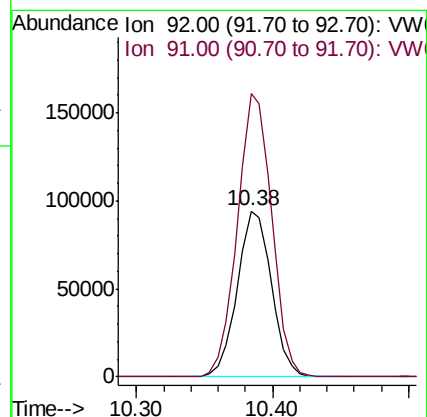
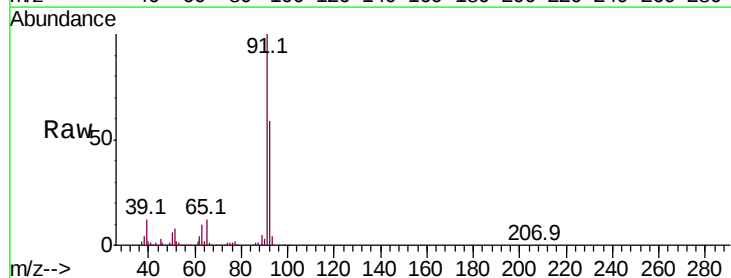
Acq: 12 Mar 2019 14:23

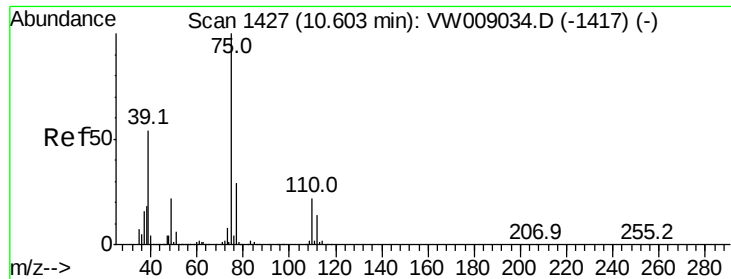
Tgt Ion: 92 Resp: 164133

Ion Ratio Lower Upper

92 100

91 172.8 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.828 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 75 Resp: 79912

Ion Ratio Lower Upper

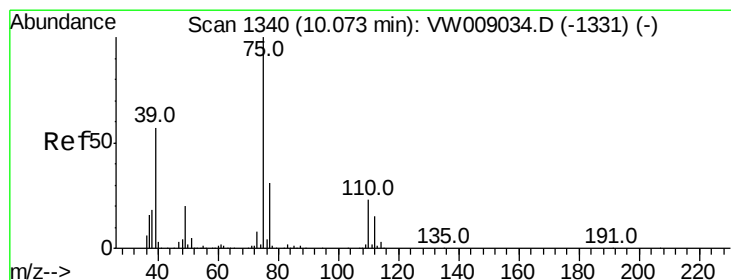
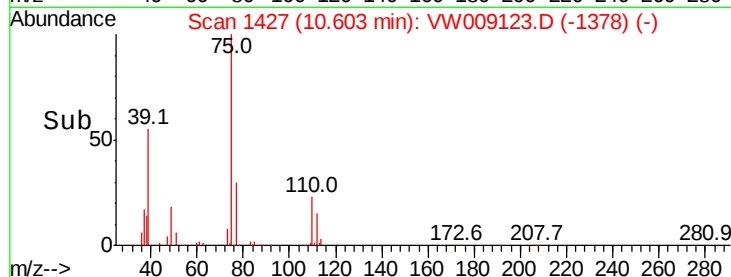
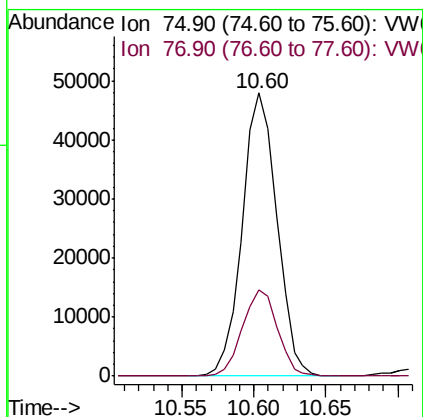
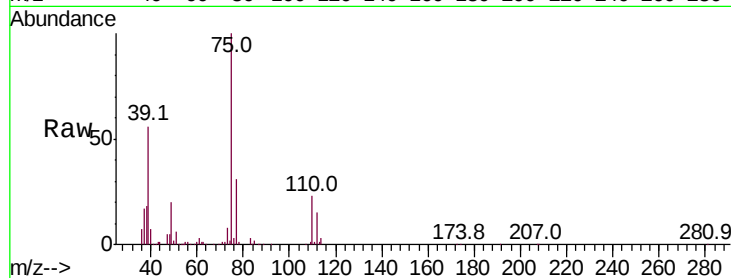
75 100

77 30.6 23.6 35.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.135 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

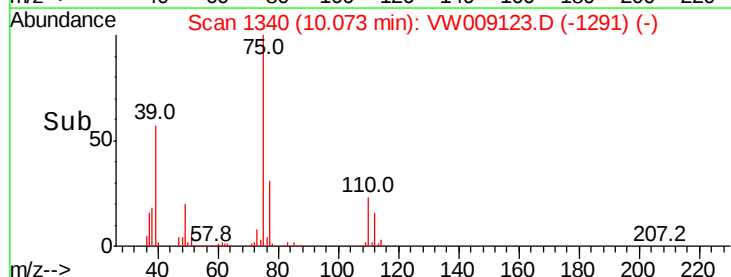
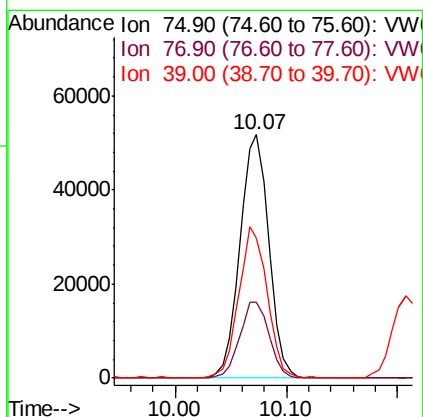
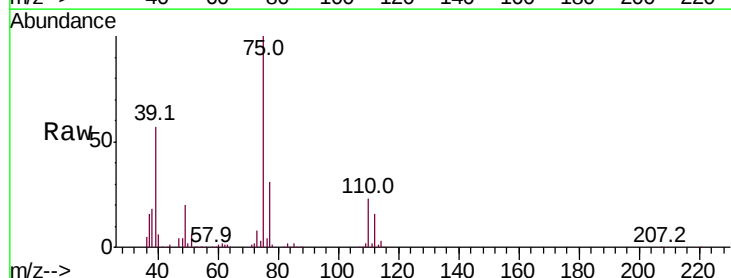
Tgt Ion: 75 Resp: 93185

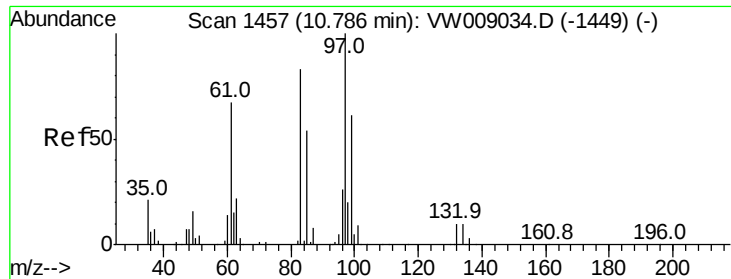
Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 57.1 45.9 68.9





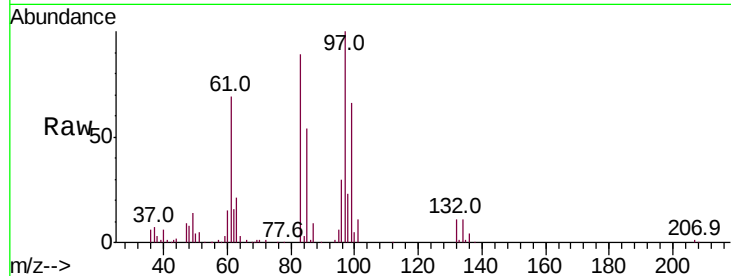
#55
 1,1,2-Trichloroethane
 Concen: 21.077 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	66.2	99.2
85	54.1	43.6	65.4
99	65.8	49.0	73.4

Manual Integrations
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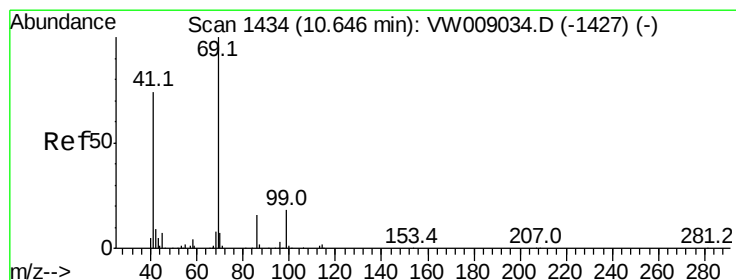
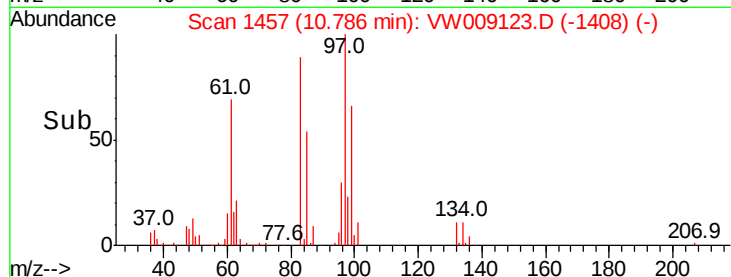
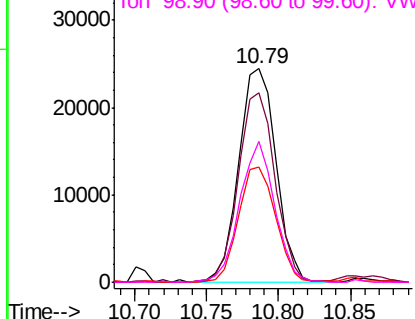
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

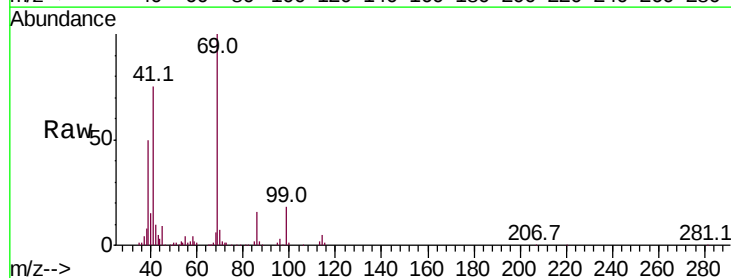
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 19.438 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.4	89.2
39	44.0	38.5	57.7

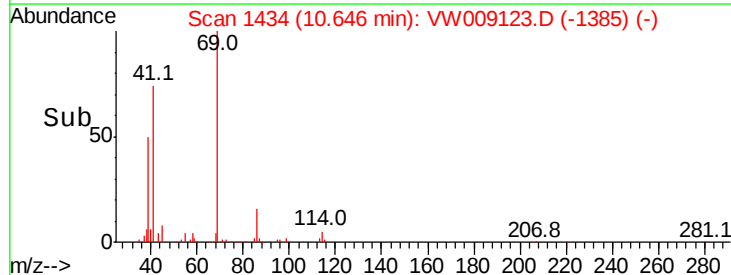
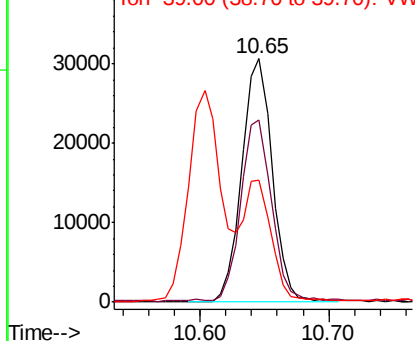


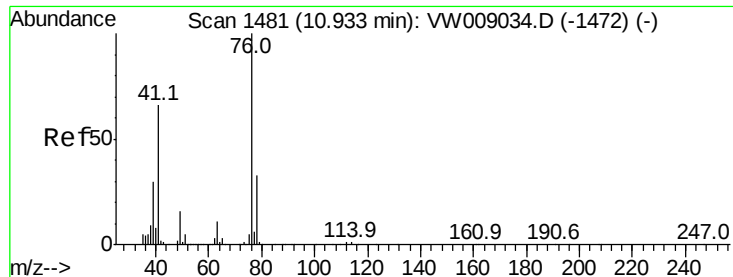
Abundance

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: 20.696 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 76 Resp: 76152

Ion Ratio Lower Upper

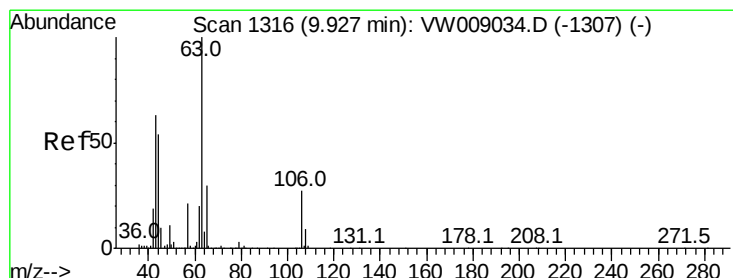
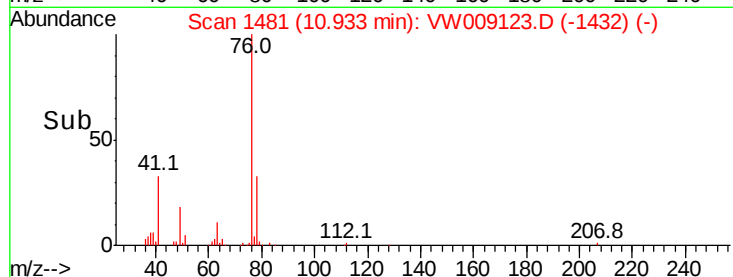
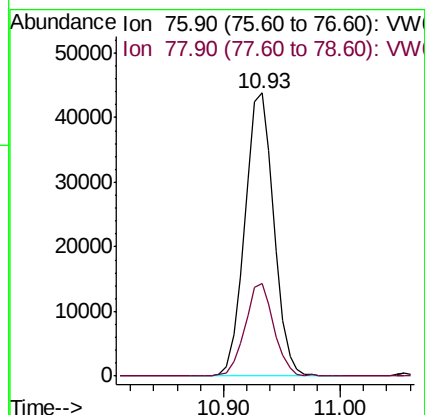
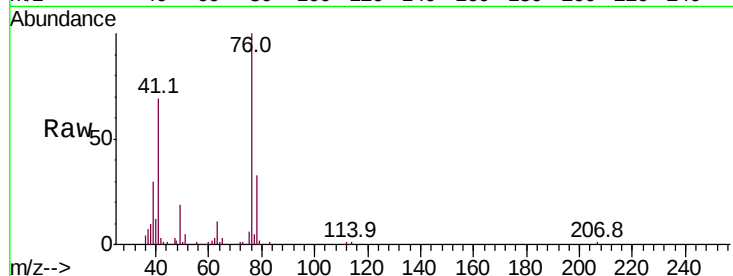
76 100

78 32.9 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 79.531 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009123.D

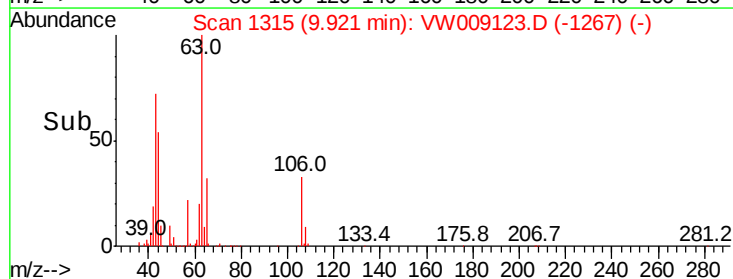
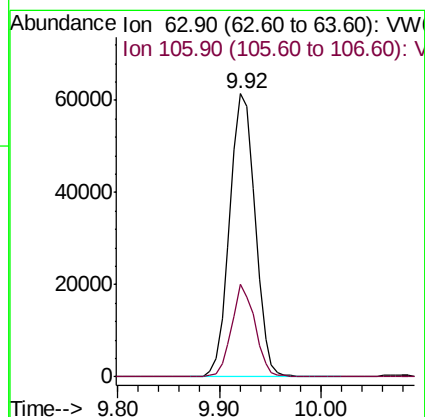
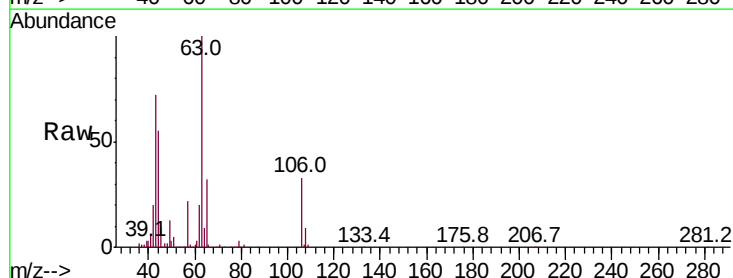
Acq: 12 Mar 2019 14:23

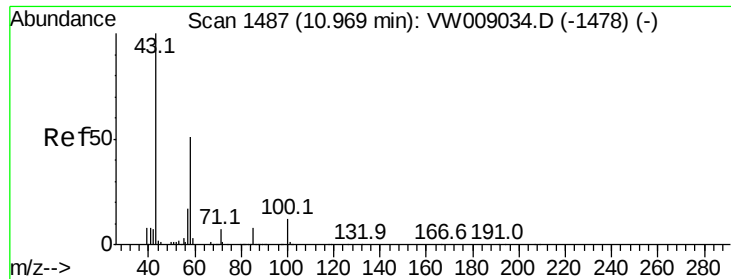
Tgt Ion: 63 Resp: 106284

Ion Ratio Lower Upper

63 100

106 29.9 23.0 34.6





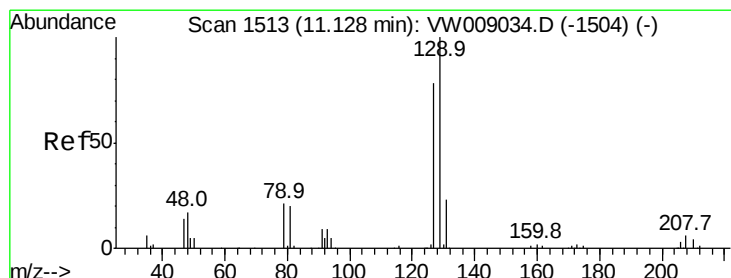
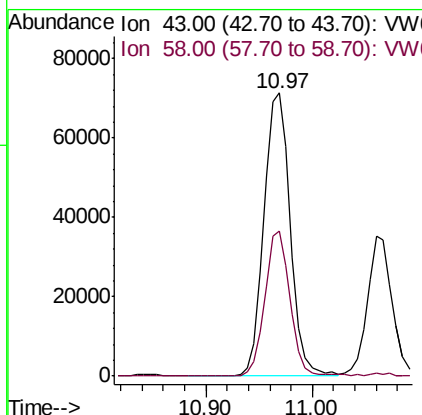
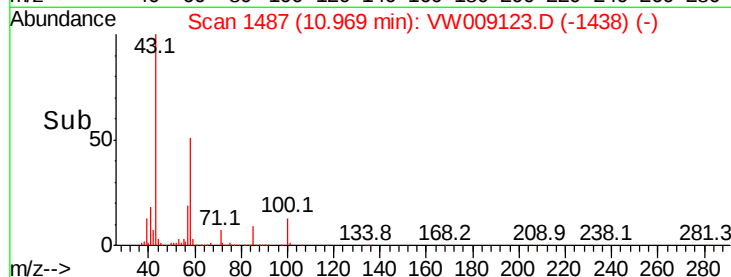
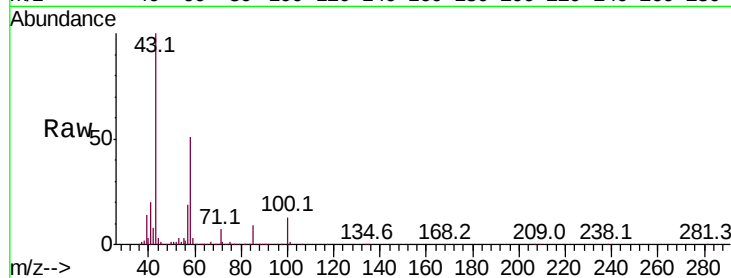
#59
2-Hexanone
Concen: 94.266 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	25.3	75.9

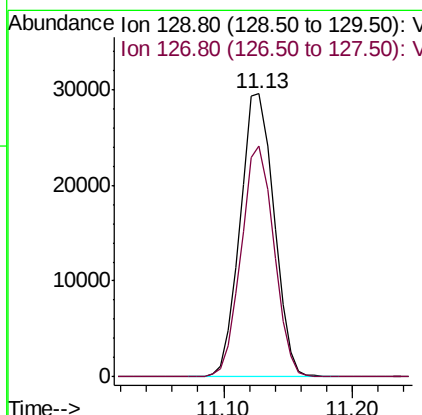
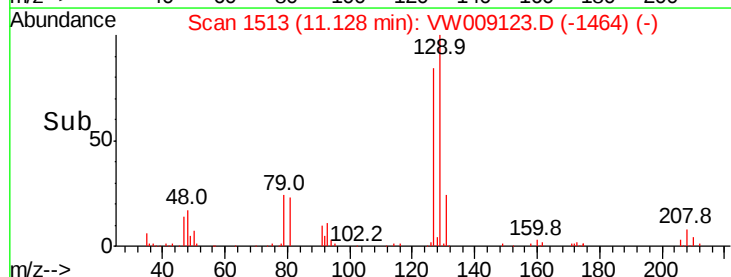
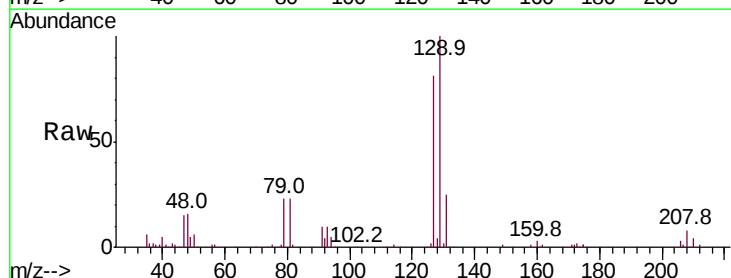
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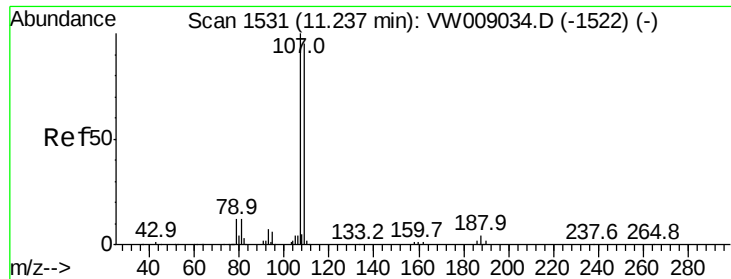
MMDadoda
3/14/2019 3:12:17 PM



#60
Dibromochloromethane
Concen: 20.923 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.4	115.1





#61

1,2-Dibromoethane

Concen: 20.172 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 107 Resp: 41075

Ion Ratio Lower Upper

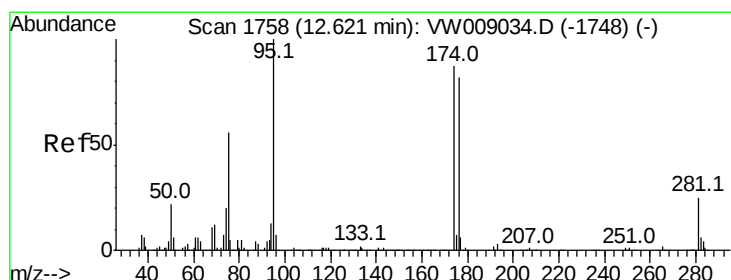
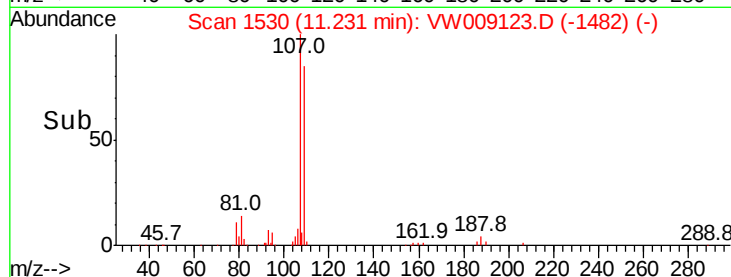
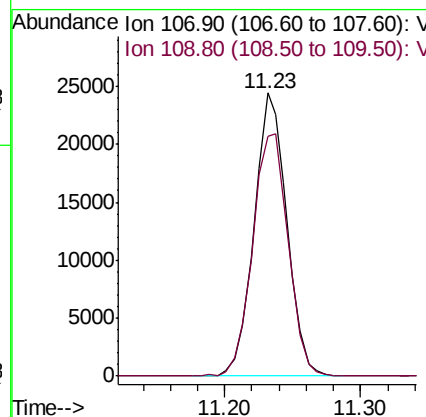
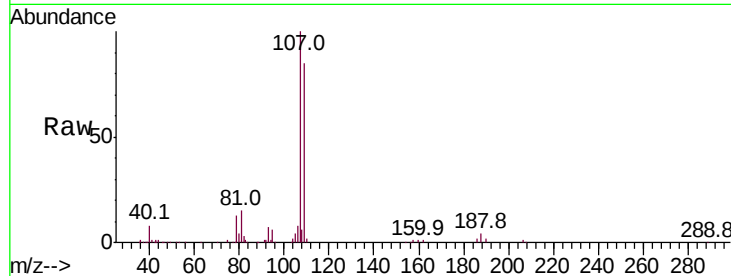
107 100

109 93.5 74.7 112.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.095 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

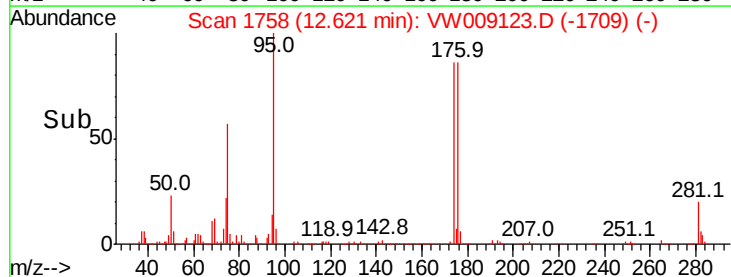
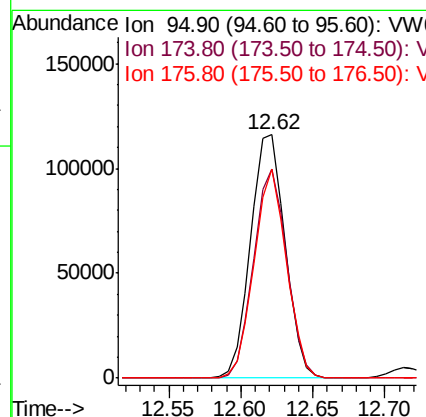
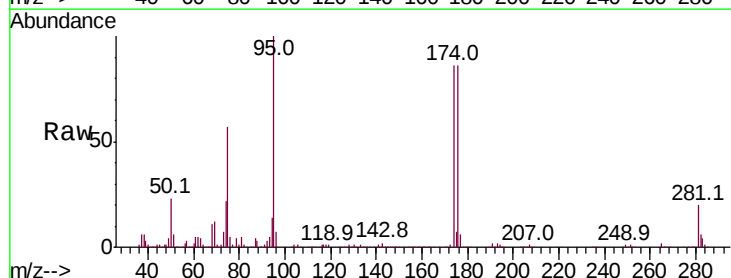
Tgt Ion: 95 Resp: 191833

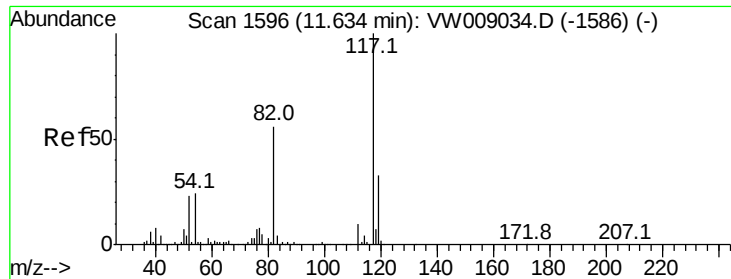
Ion Ratio Lower Upper

95 100

174 82.9 0.0 167.0

176 81.1 0.0 159.4





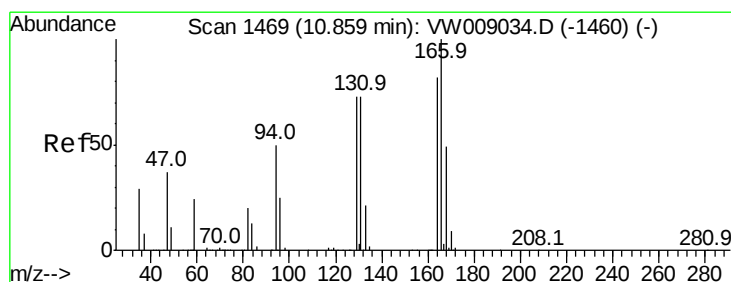
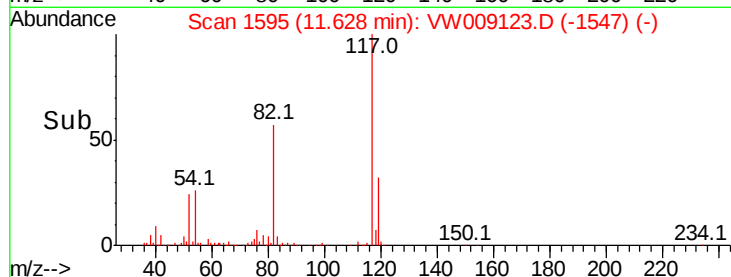
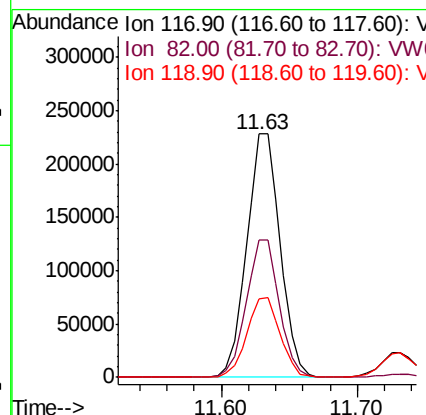
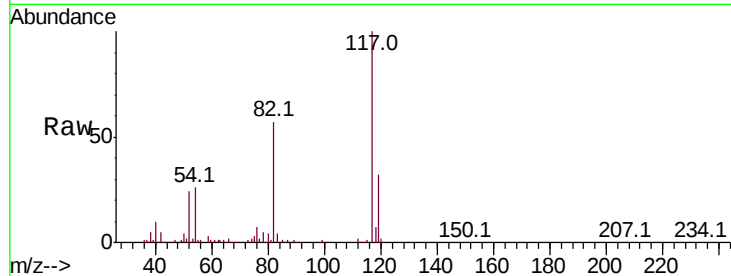
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.0	67.6
119	32.4	26.6	39.8

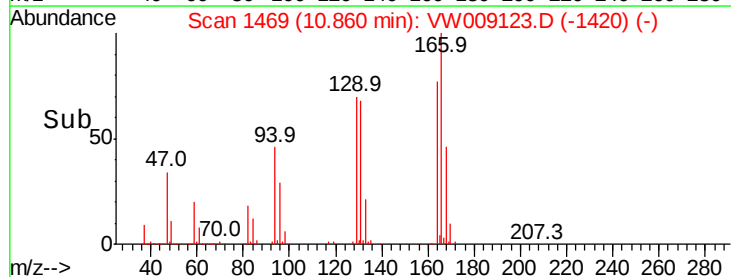
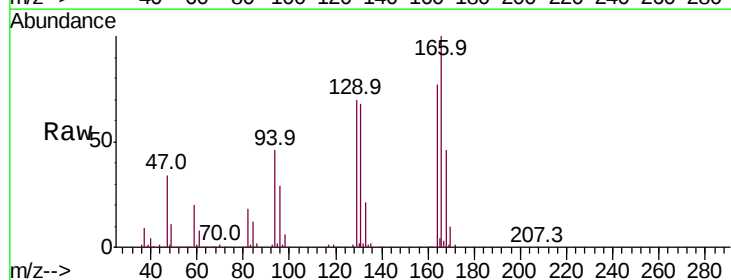
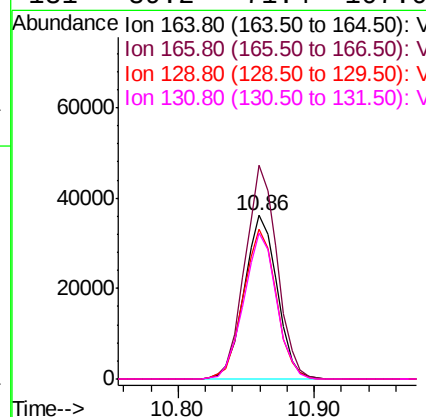
Manual Integrations
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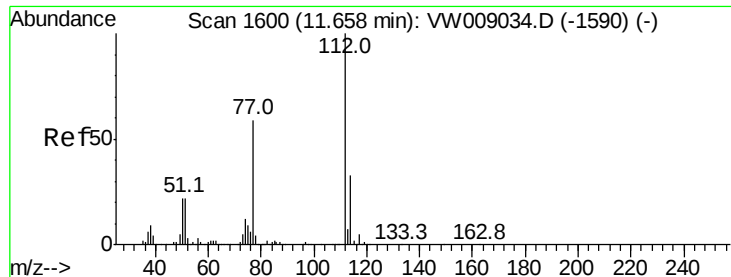
MMDadoda
3/14/2019 3:12:17 PM



#64
Tetrachloroethene
Concen: 21.571 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	97.8	146.6
129	91.3	71.6	107.4
131	89.2	71.4	107.0





#65

Chlorobenzene

Concen: 21.372 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:112 Resp: 182192

Ion Ratio Lower Upper

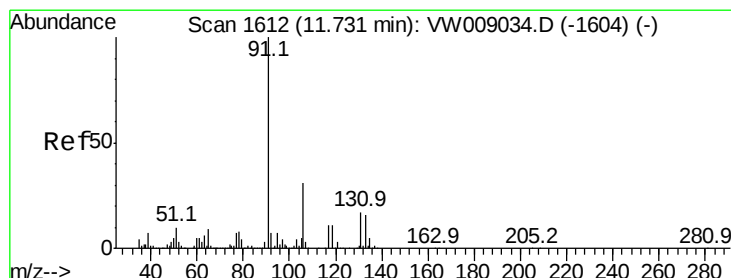
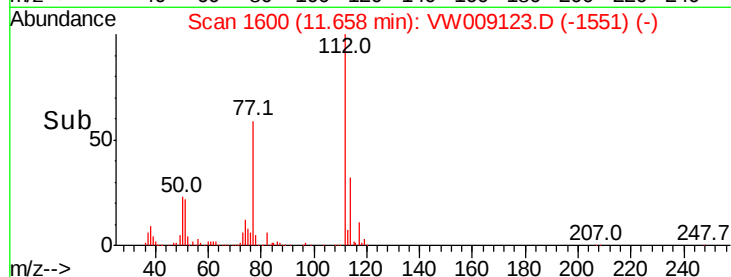
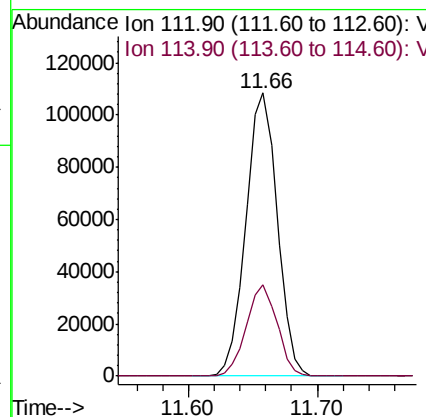
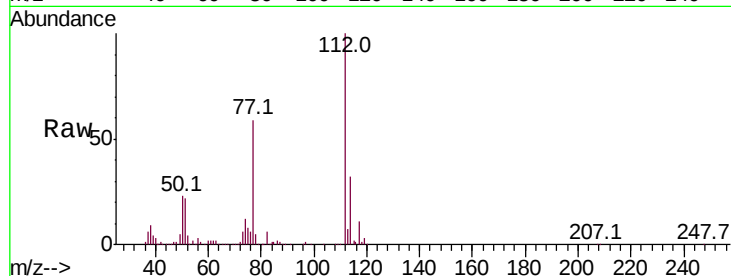
112 100

114 32.3 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 22.069 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

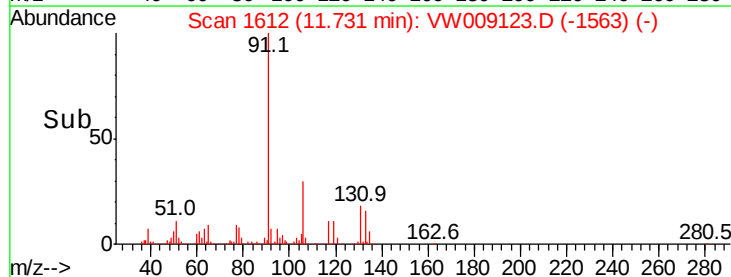
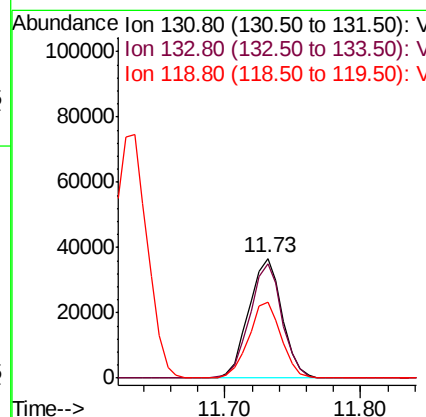
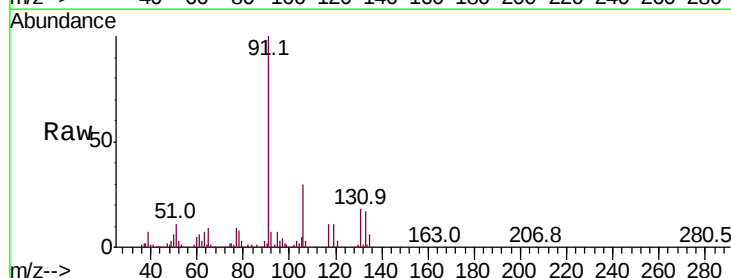
Tgt Ion:131 Resp: 62817

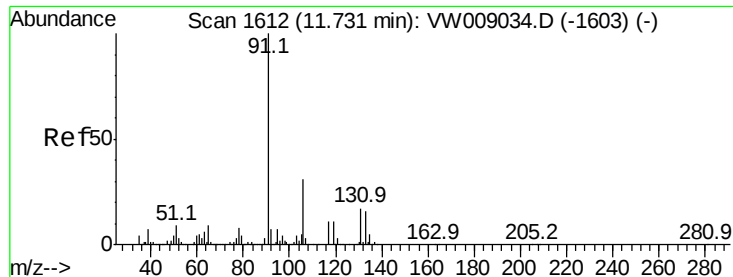
Ion Ratio Lower Upper

131 100

133 92.9 47.6 142.8

119 62.0 31.3 93.8





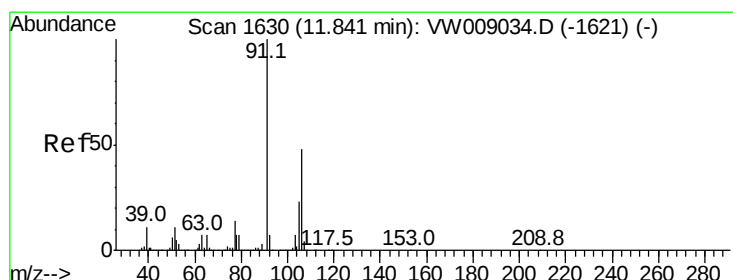
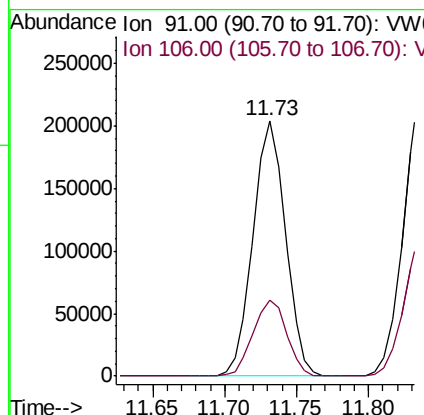
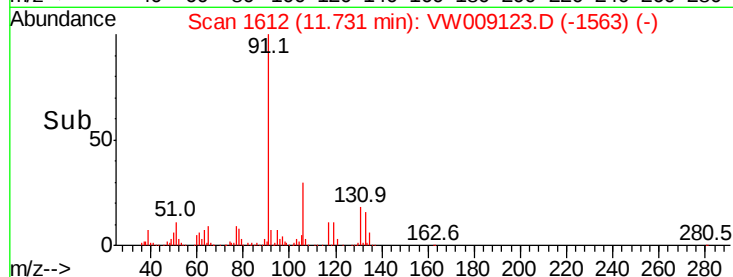
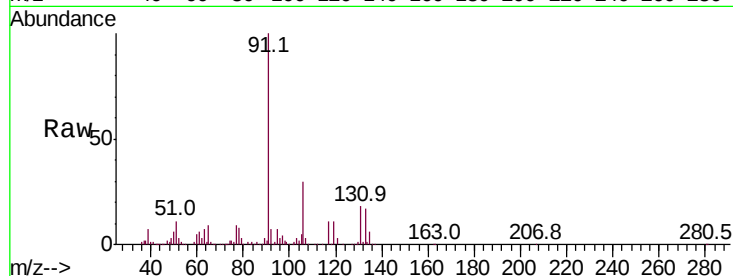
#67
Ethyl Benzene
Concen: 20.650 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.4

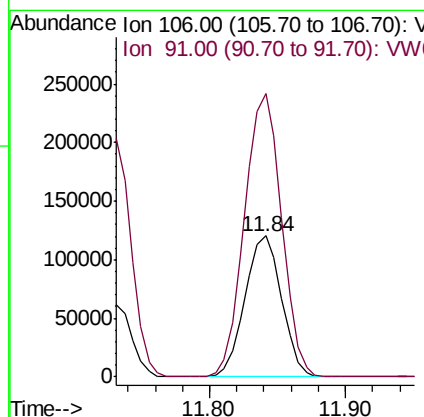
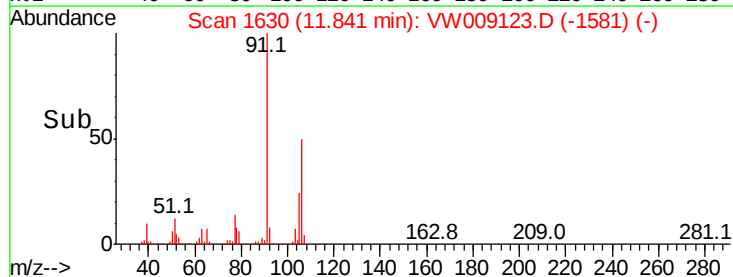
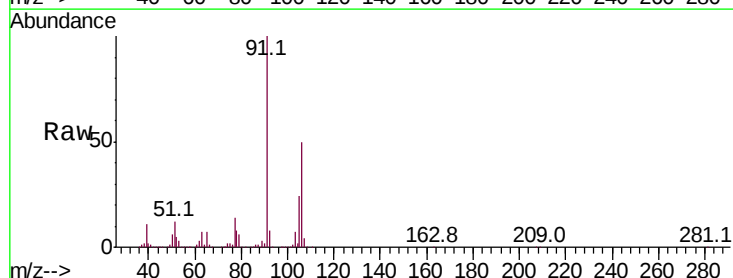
Manual Integrations
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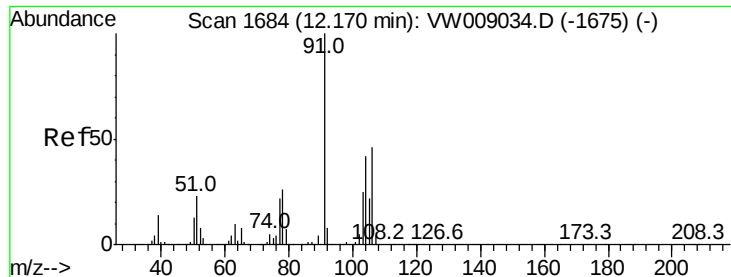
MMDadoda
3/14/2019 3:12:17 PM



#68
m/p-Xylenes
Concen: 37.447 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.2	244.8





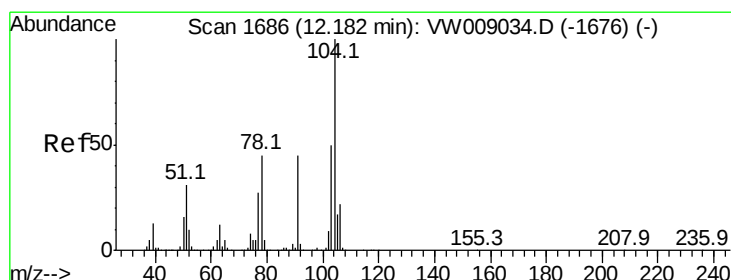
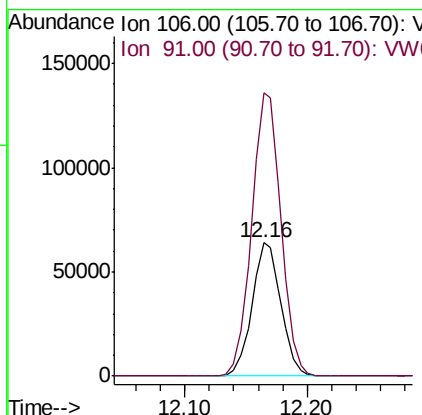
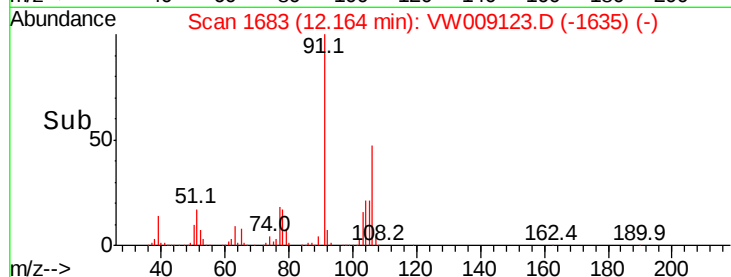
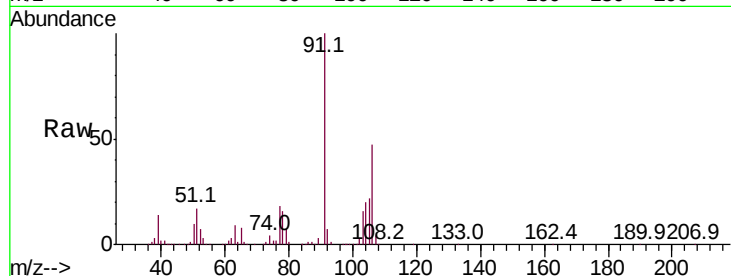
#69
o-Xylene
Concen: 18.579 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion:106 Resp: 105081
Ion Ratio Lower Upper
106 100
91 215.3 108.6 325.6

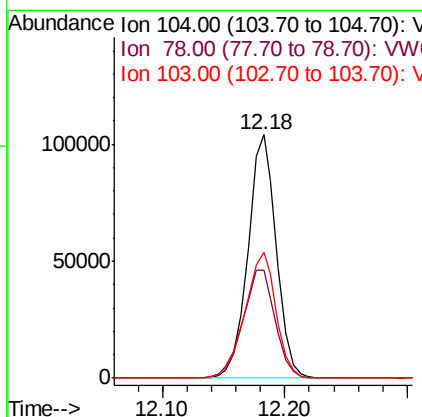
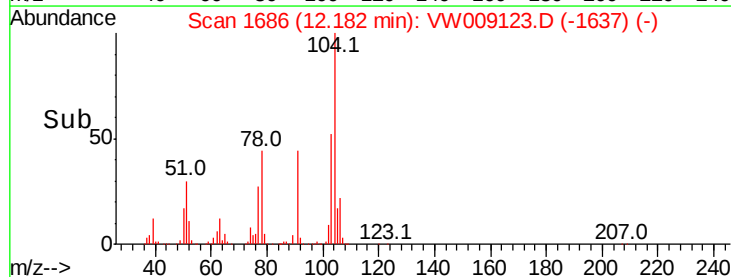
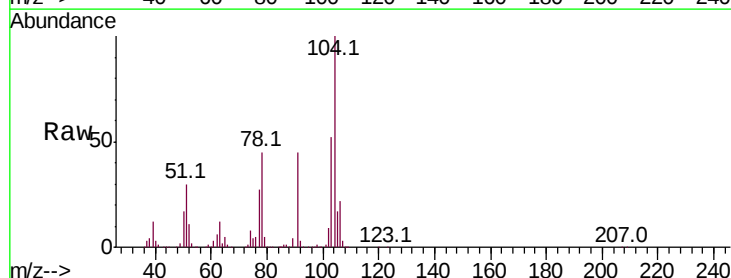
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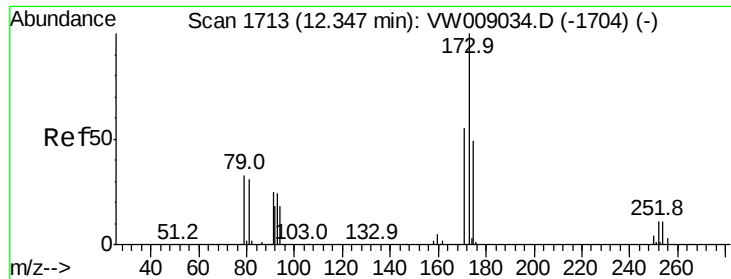
MMDadoda
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#70
Styrene
Concen: 18.303 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion:104 Resp: 167494
Ion Ratio Lower Upper
104 100
78 51.1 42.1 63.1
103 56.4 43.9 65.9





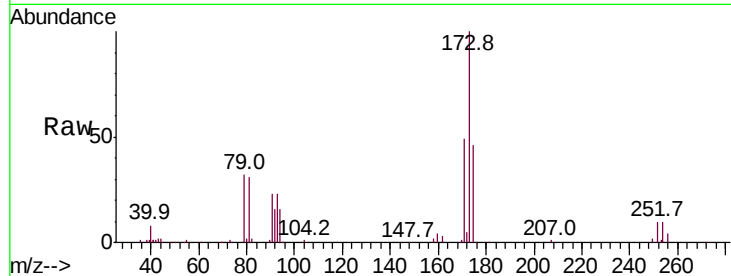
#71
Bromoform
Concen: 20.515 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.6	74.0
254	0.0	0.0	0.0

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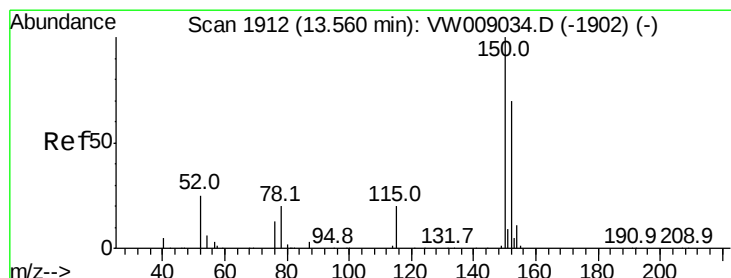
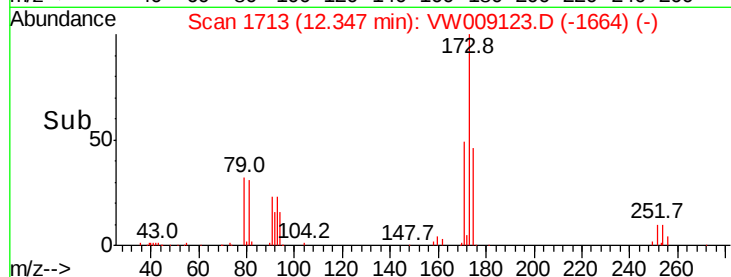
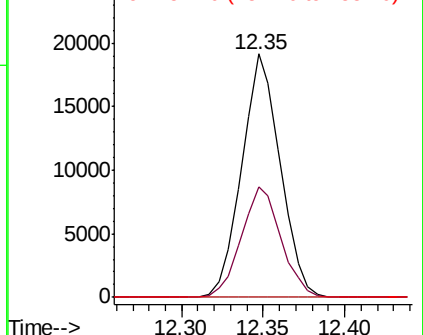


Abundance

Ion 172.70 (172.40 to 173.40): V

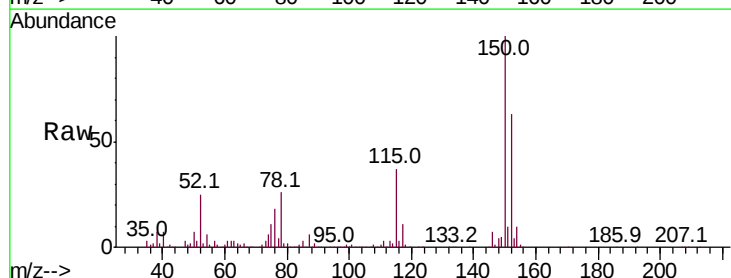
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	28.9	86.7
150	165.6	0.0	349.2

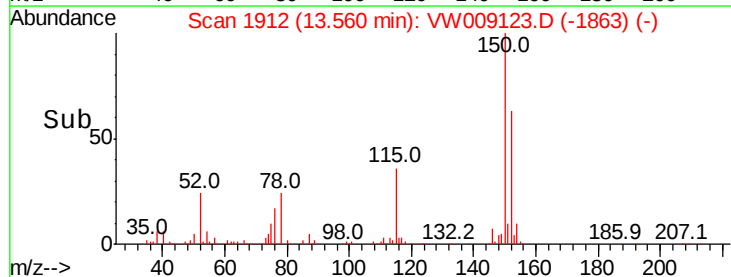
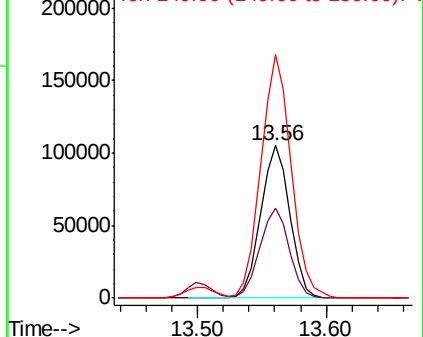


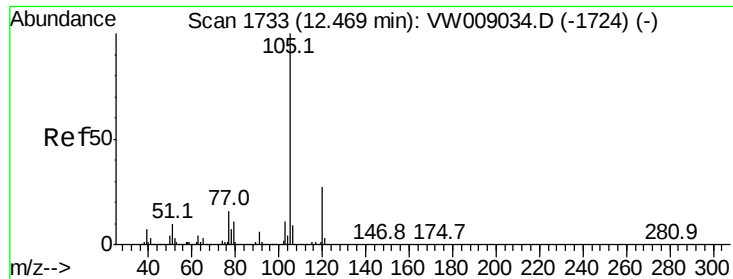
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 25.961 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:105 Resp: 305274

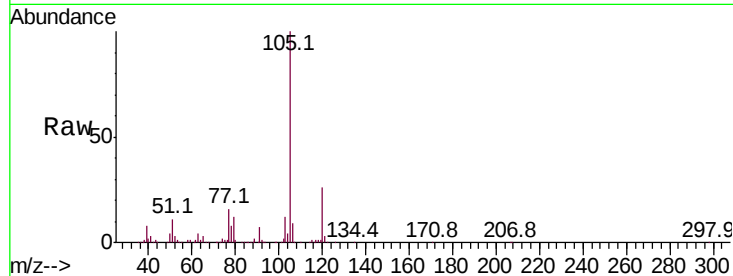
Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6

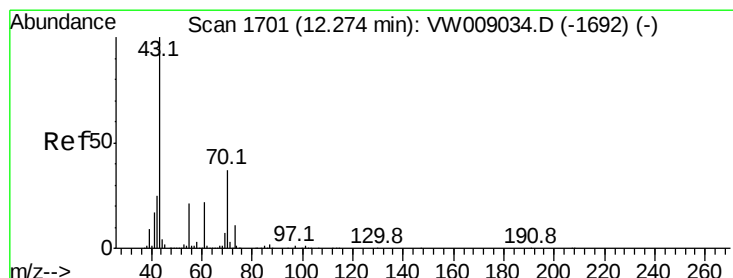
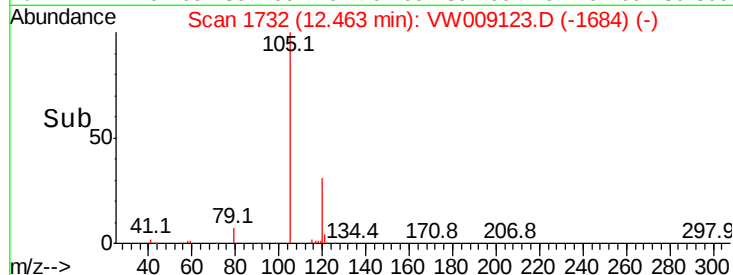
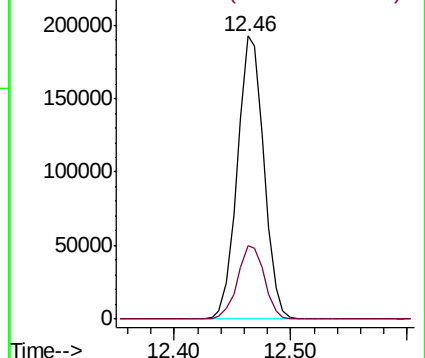
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.656 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion: 43 Resp: 63067

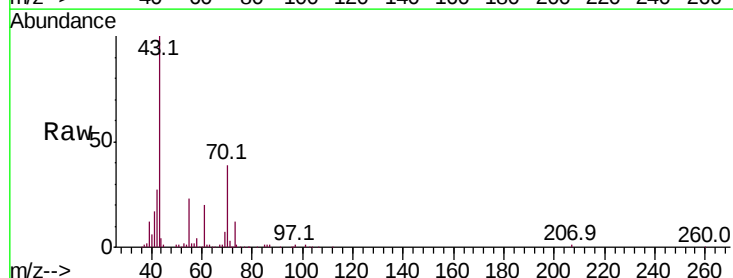
Ion Ratio Lower Upper

43 100

70 40.3 30.8 46.2

55 26.1 17.8 26.8

61 21.9 17.4 26.2

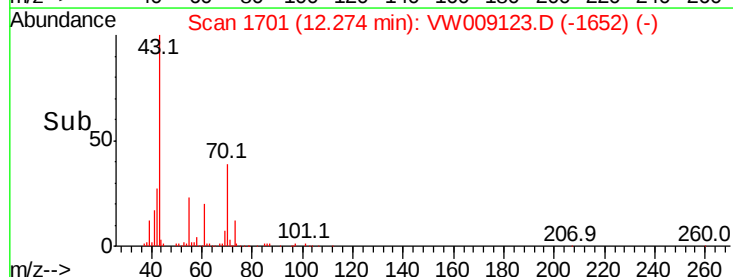
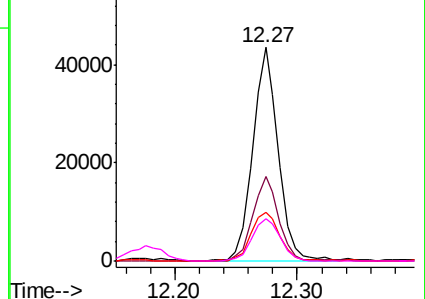


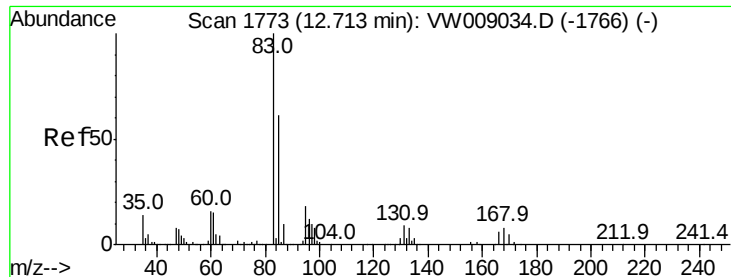
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.165 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

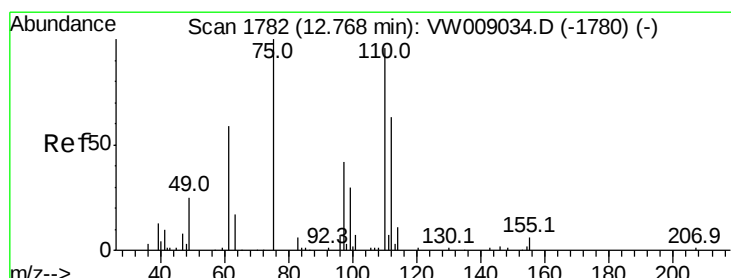
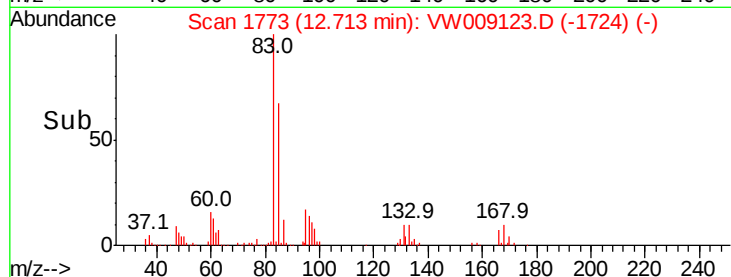
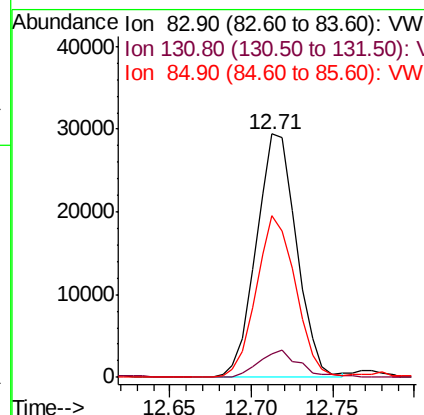
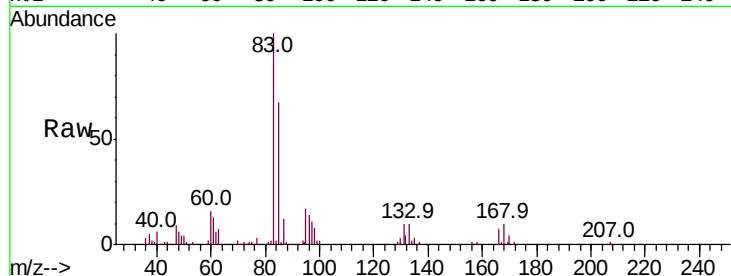
ClientSampleId :

VW0312SBS01

Tot Ion:	83	Resp:	50386
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	64.9	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 27.747 ug/l m

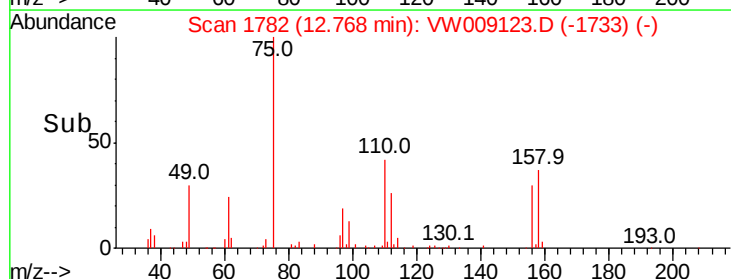
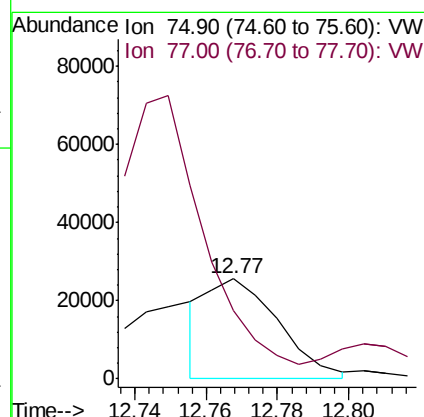
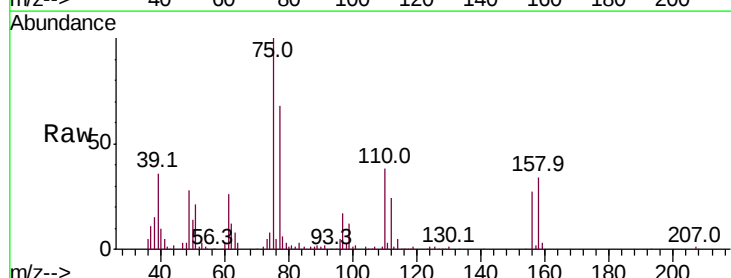
RT: 12.77 min Scan# 1782

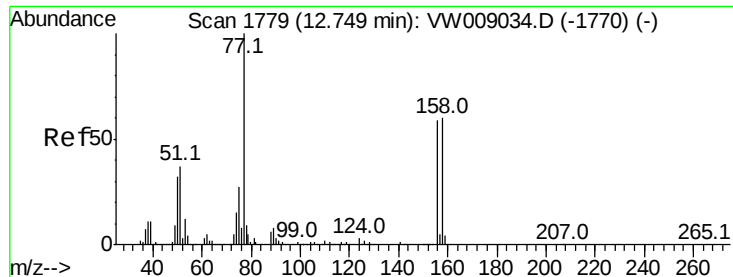
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	75	Resp:	35997
Ion Ratio	Lower	Upper	
75	100		
77	362.8	186.7	560.0





#77

Bromobenzene

Concen: 26.566 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

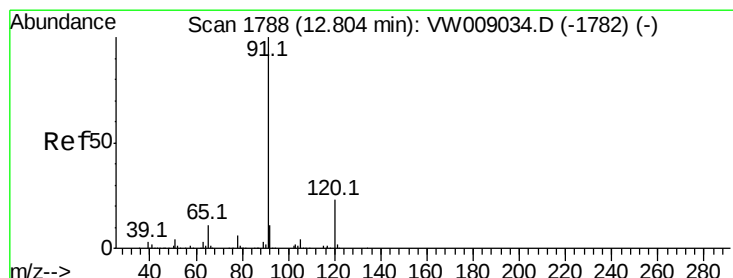
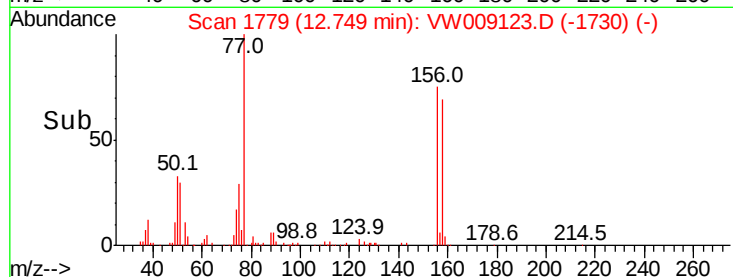
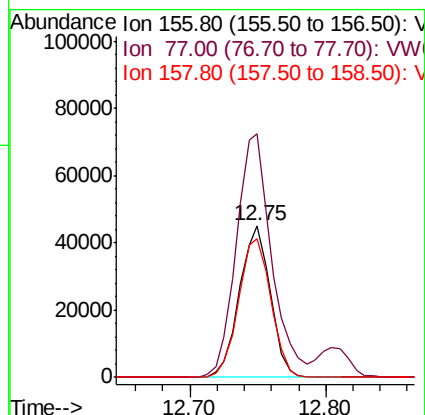
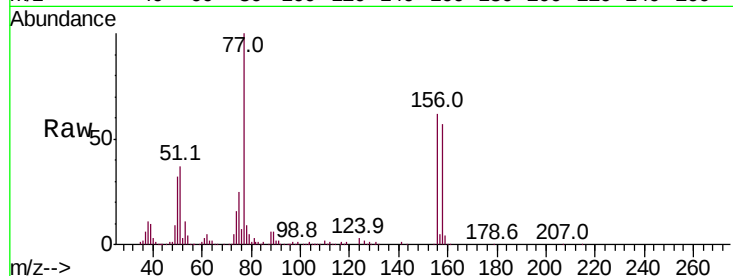
ClientSampleId :

VW0312SBS01

Tot Ion:	156	Resp:	71377
Ion Ratio	Lower	Upper	
156	100		
77	183.0	93.0	279.2
158	96.0	50.0	149.8

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#78

n-propylbenzene

Concen: 22.412 ug/l

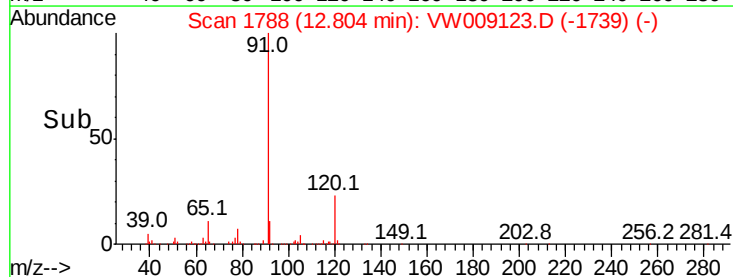
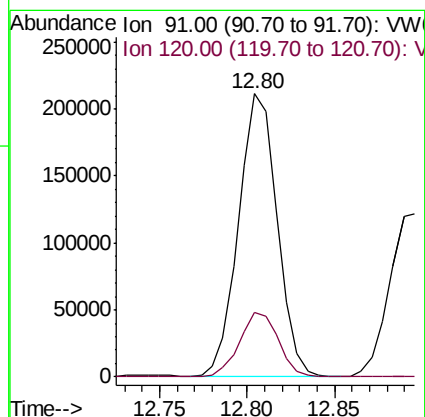
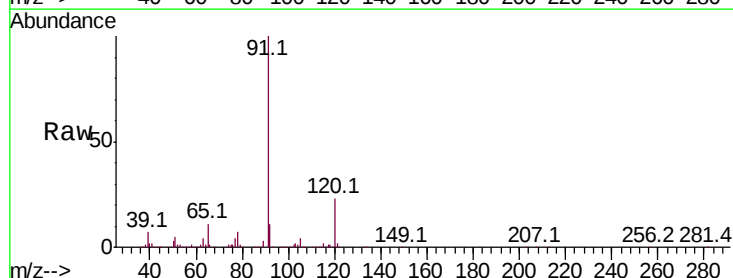
RT: 12.80 min Scan# 1788

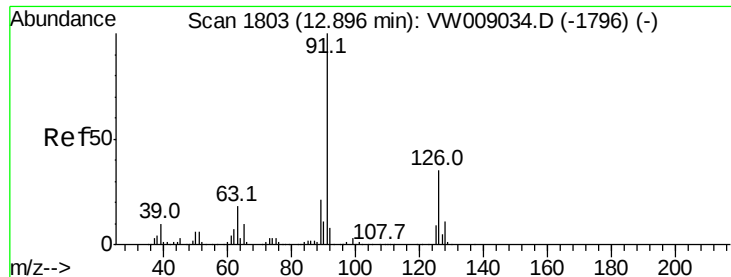
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	91	Resp:	324612
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.4	34.2





#79

2-Chlorotoluene

Concen: 24.061 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 91 Resp: 195798

Ion Ratio Lower Upper

91 100

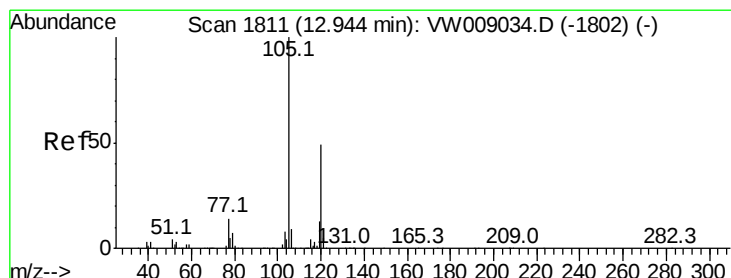
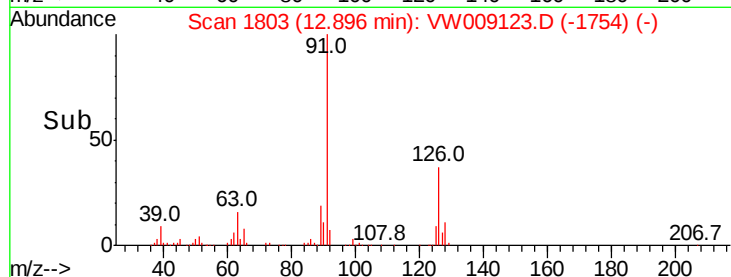
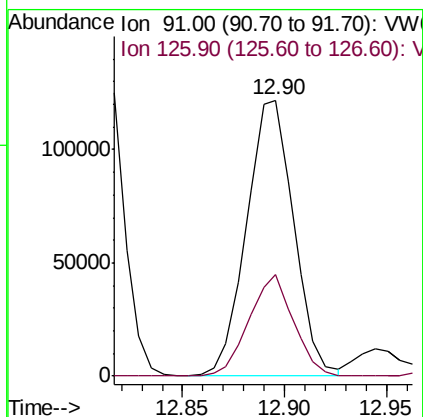
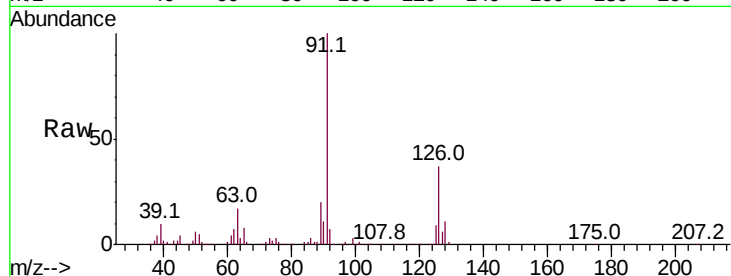
126 34.9 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 15.509 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009123.D

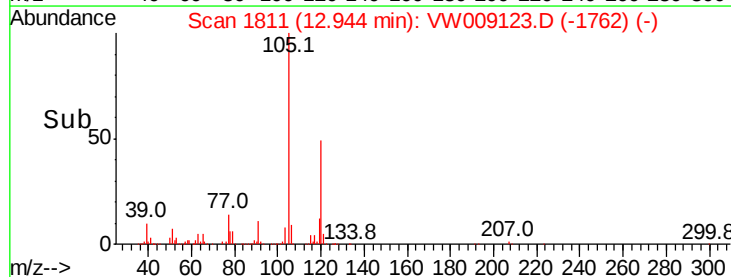
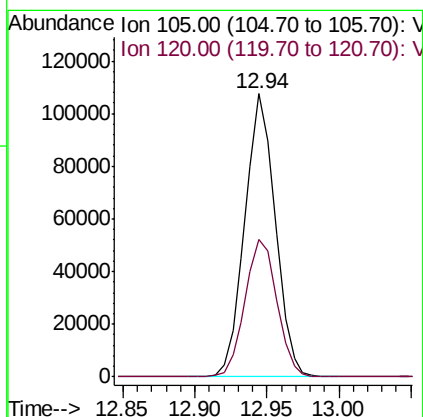
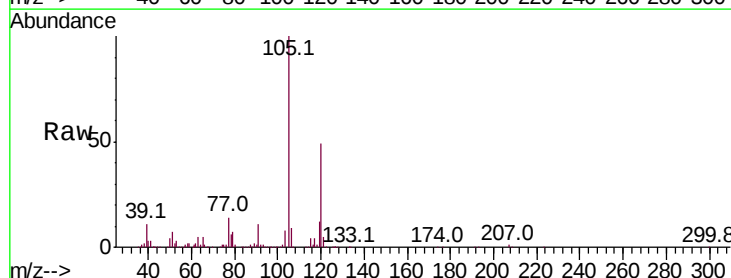
Acq: 12 Mar 2019 14:23

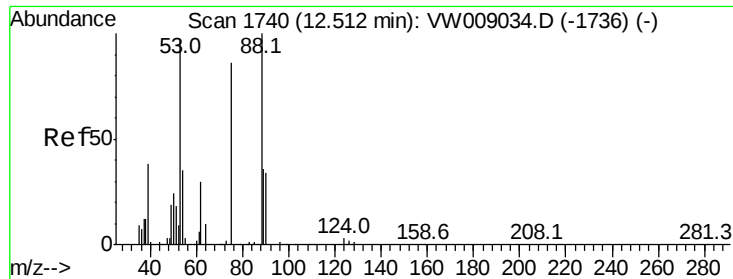
Tgt Ion:105 Resp: 157201

Ion Ratio Lower Upper

105 100

120 51.1 24.4 73.2





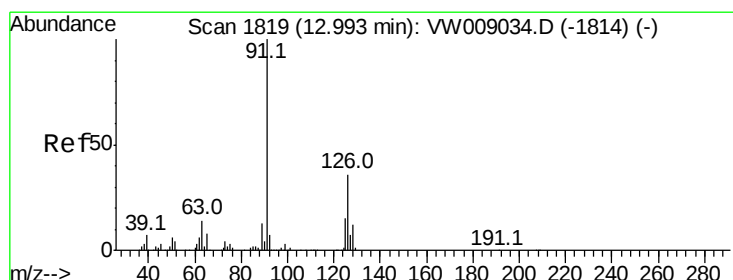
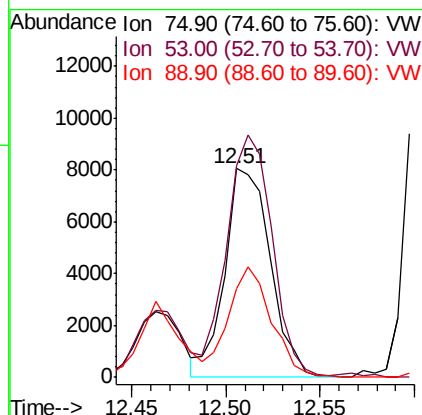
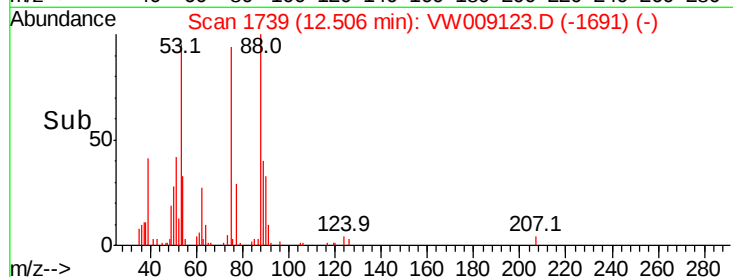
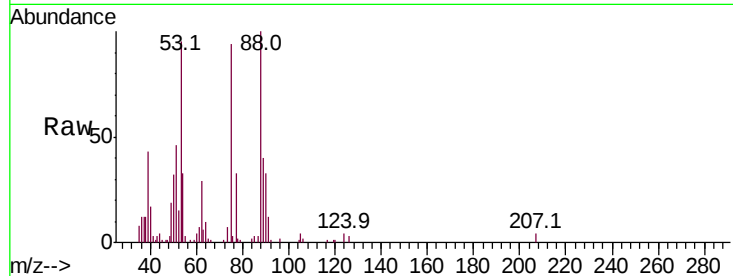
#81
trans-1,4-Dichloro-2-butene
Concen: 23.343 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.4	90.5	135.7
89	50.2	37.5	56.3

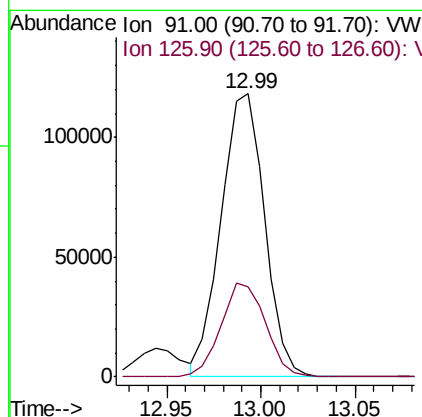
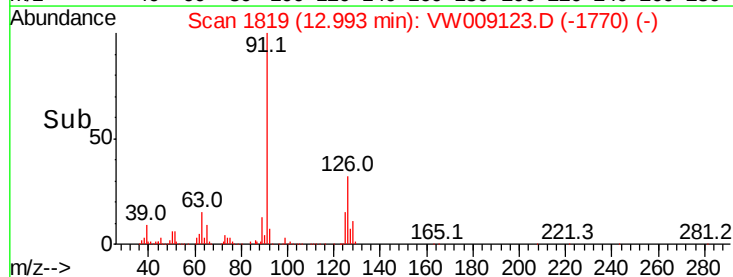
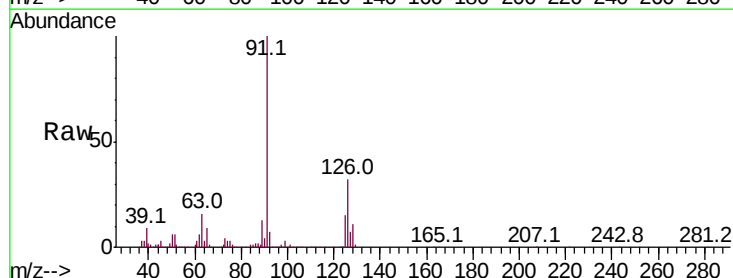
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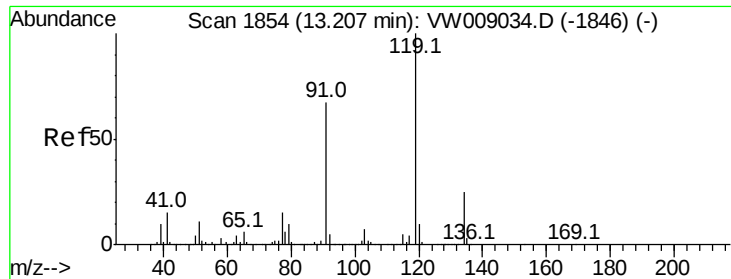
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#82
4-Chlorotoluene
Concen: 21.806 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.6	49.8





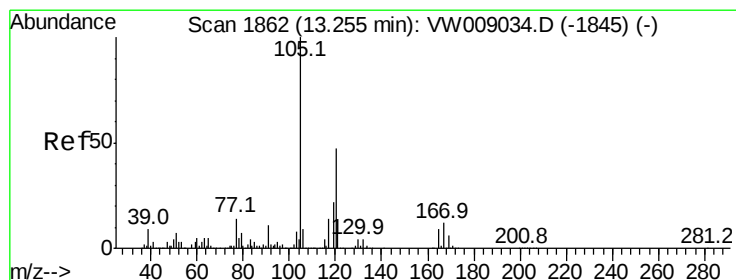
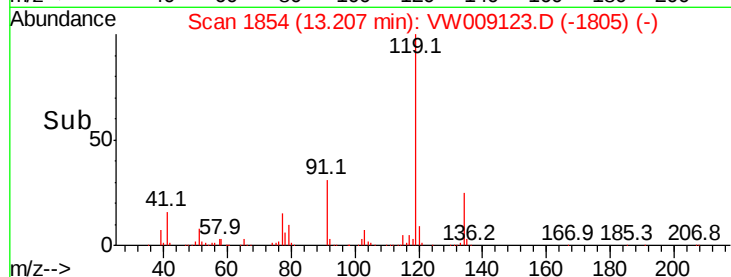
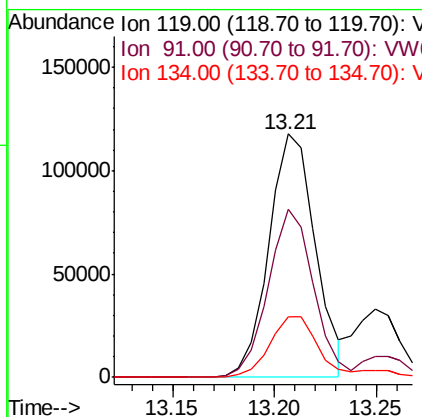
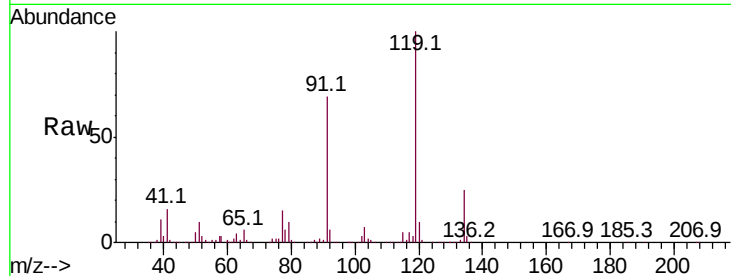
#83
tert-Butylbenzene
Concen: 21.910 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187299		
91	67.3		34.2	102.5
134	28.1		13.9	41.6

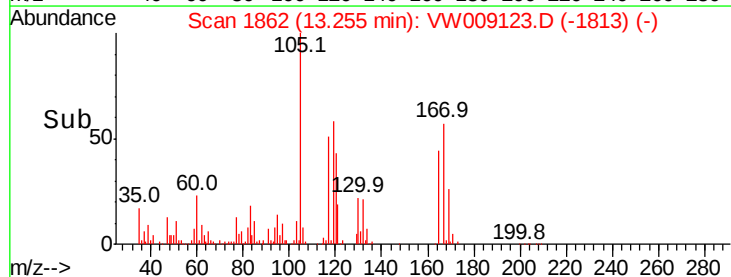
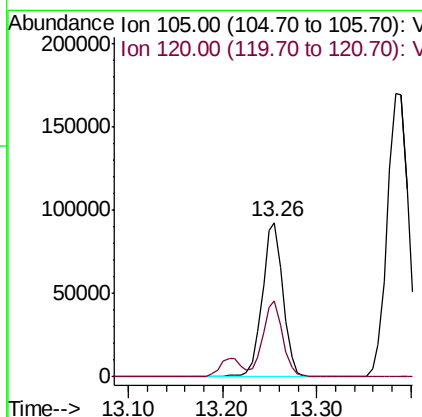
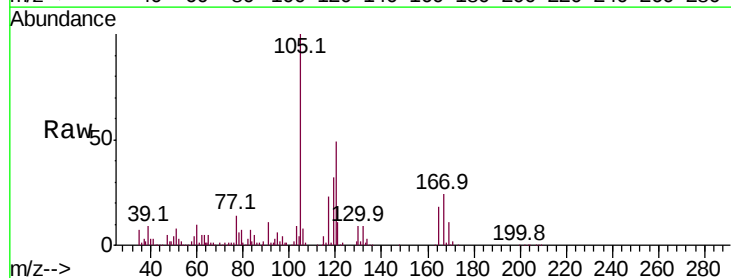
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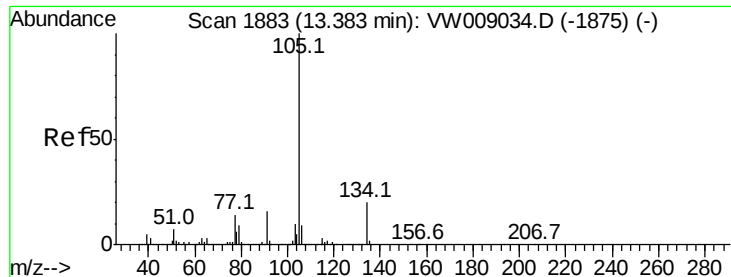
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#84
1,2,4-Trimethylbenzene
Concen: 14.064 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144206		
120	46.8		22.8	68.4





#85

sec-Butylbenzene

Concen: 21.194 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:105 Resp: 268437

Ion Ratio Lower Upper

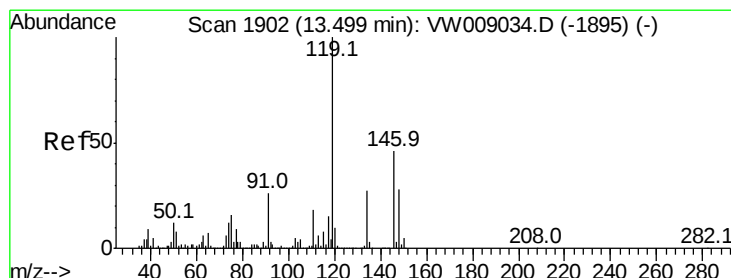
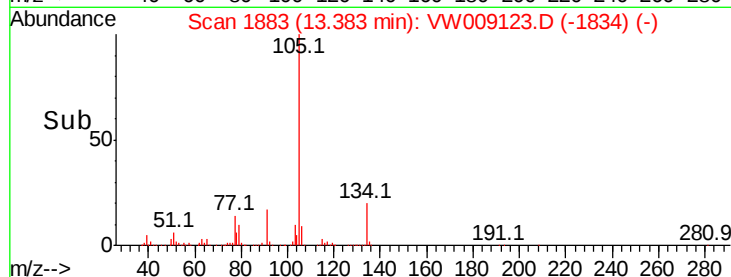
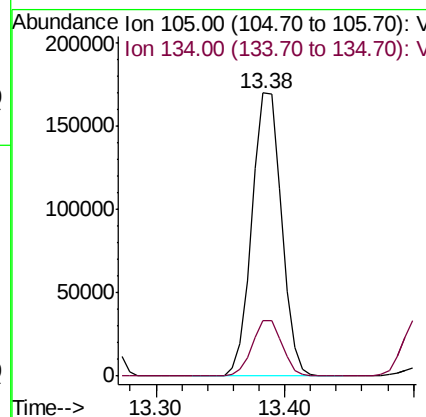
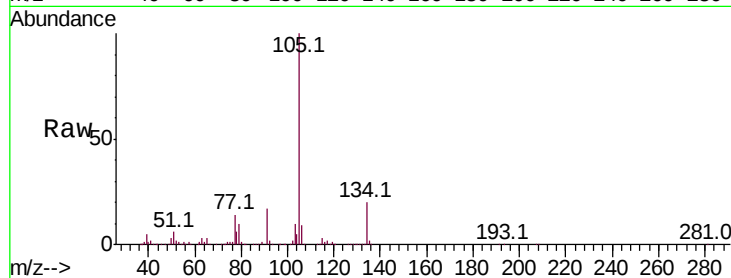
105 100

134 19.8 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 16.097 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

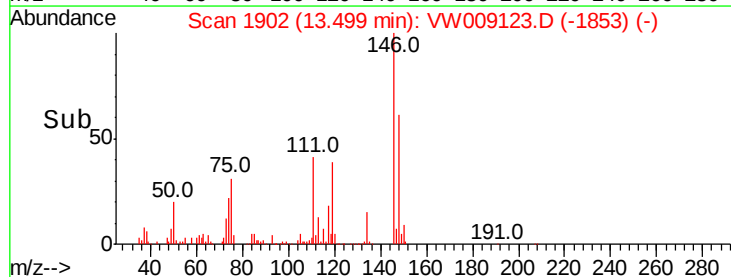
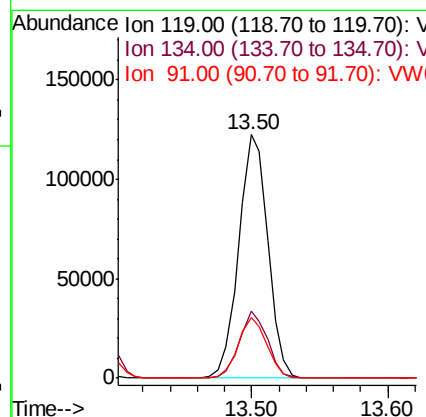
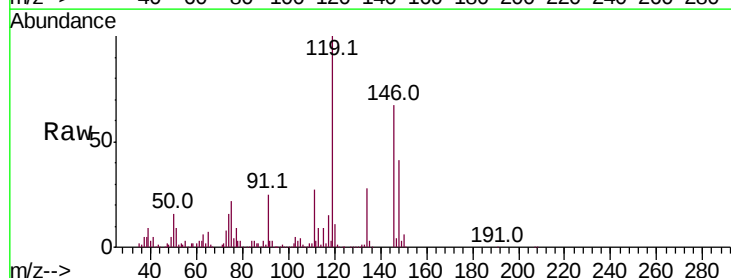
Tgt Ion:119 Resp: 182379

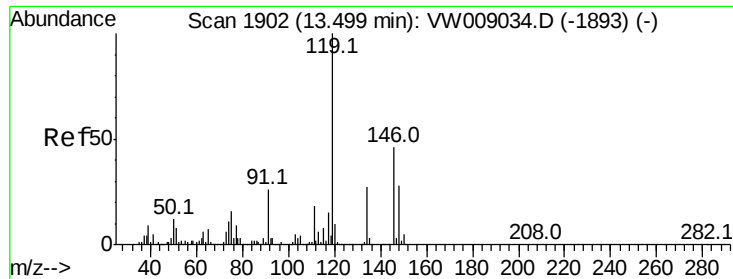
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 24.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 22.519 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

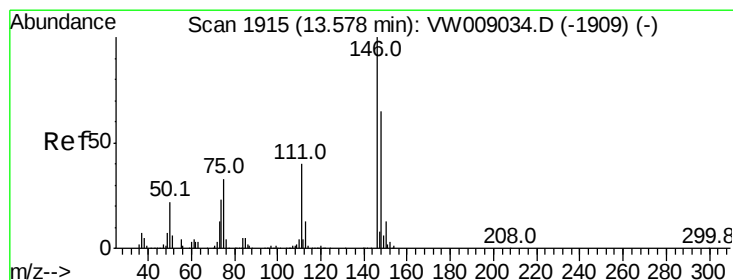
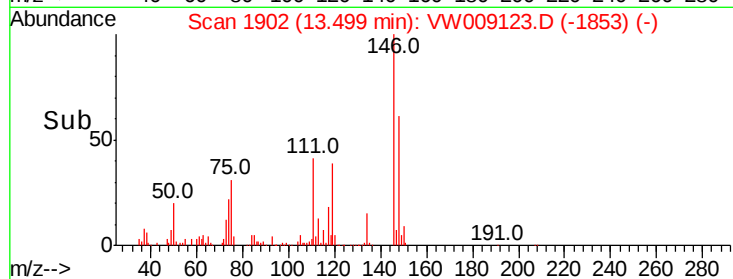
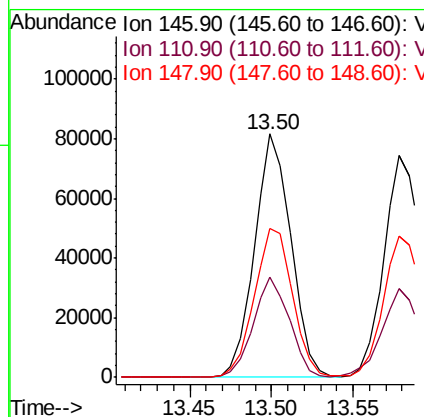
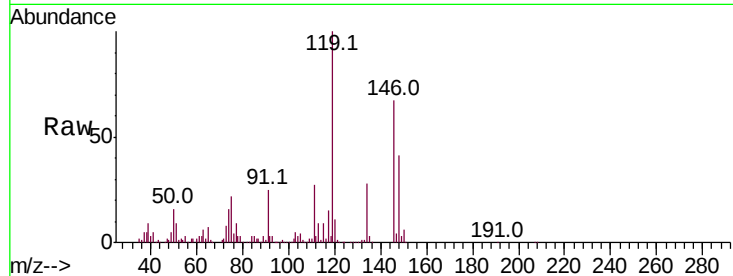
Instrument :
MSVOA_W

ClientSampled :
VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127150		
111	40.8	19.8	59.4	
148	64.4	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.185 ug/l

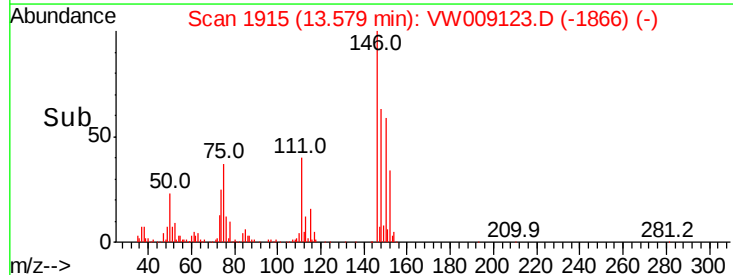
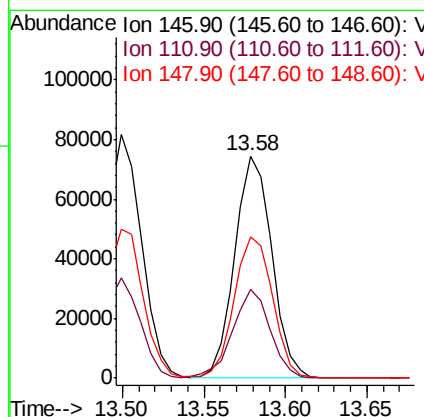
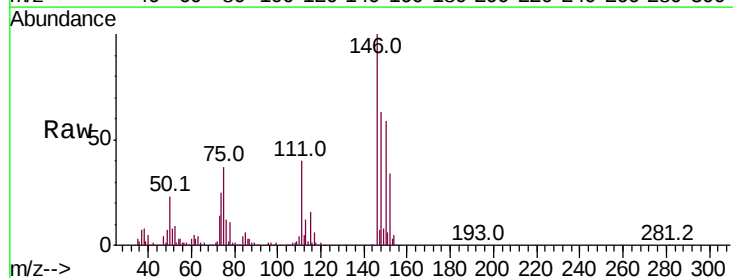
RT: 13.58 min Scan# 1915

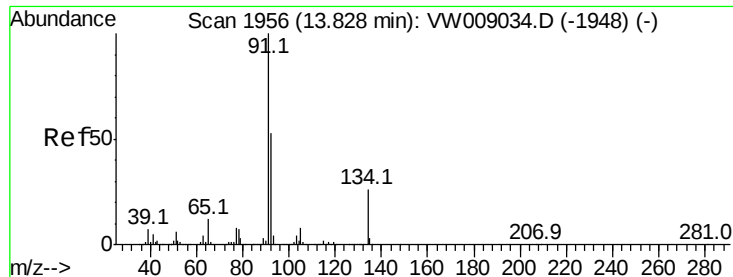
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118211		
111	40.6	19.7	59.0	
148	65.8	32.2	96.6	





#89

n-Butylbenzene

Concen: 13.057 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Instrument :

MSVOA_W

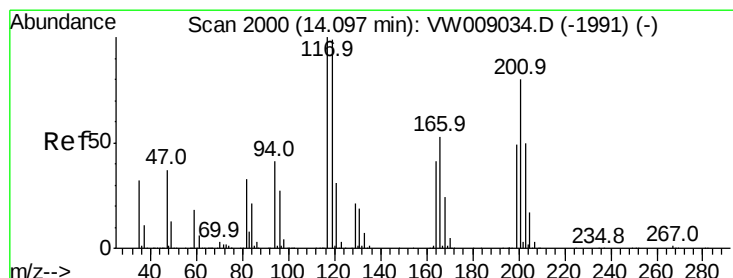
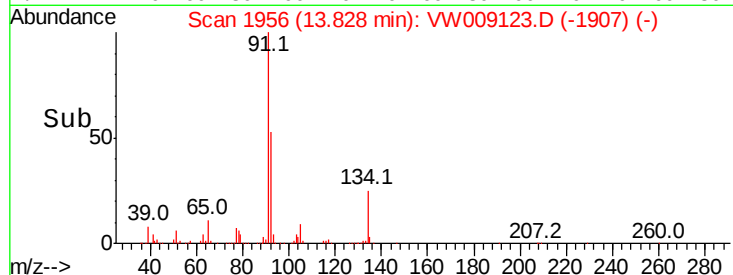
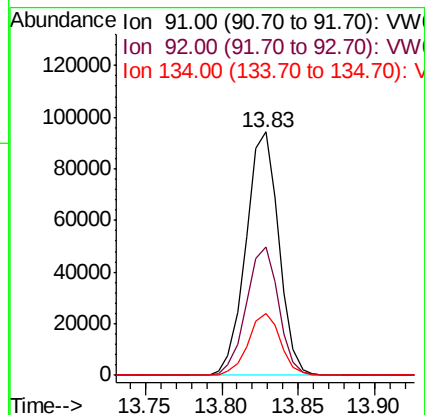
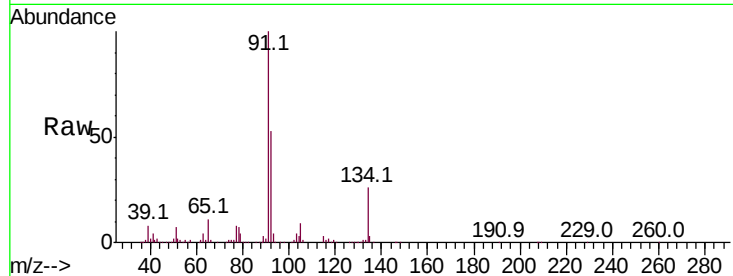
ClientSampleId :

VW0312SBS01

Tot Ion:	91	Resp:	140641
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.8	80.3
134	25.1	12.9	38.7

Manual Integrations
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#90

Hexachloroethane

Concen: 27.449 ug/l

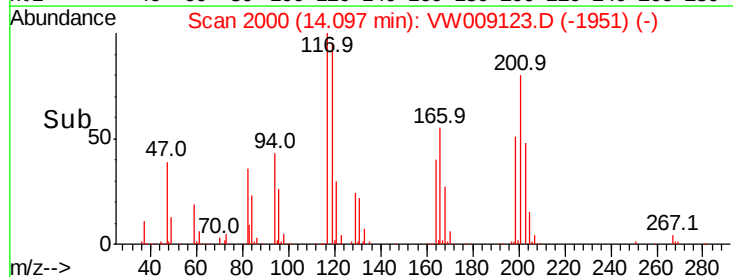
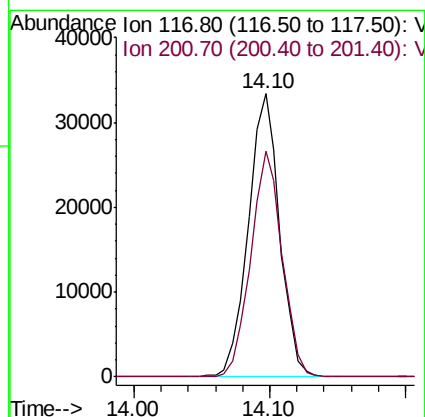
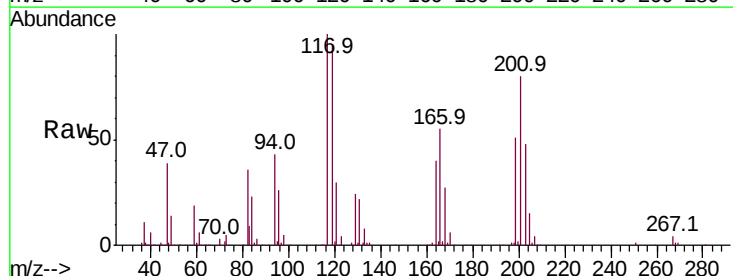
RT: 14.10 min Scan# 2000

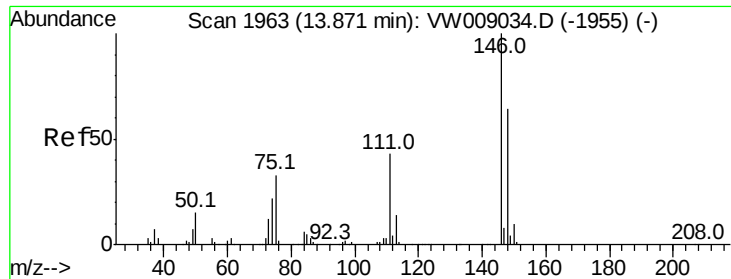
Delta R.T. 0.00 min

Lab File: VW009123.D

Acq: 12 Mar 2019 14:23

Tgt Ion:	117	Resp:	53639
Ion Ratio	Lower	Upper	
117	100		
201	80.1	39.1	117.5





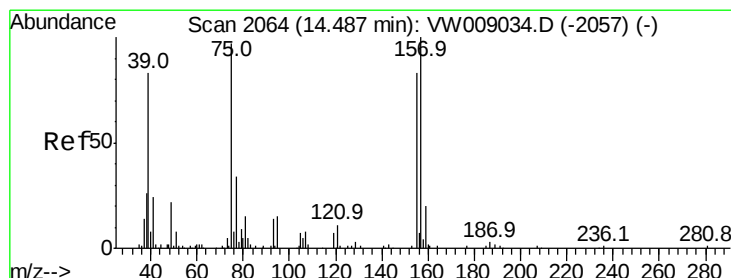
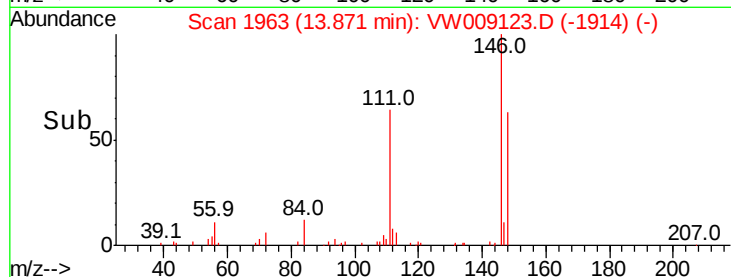
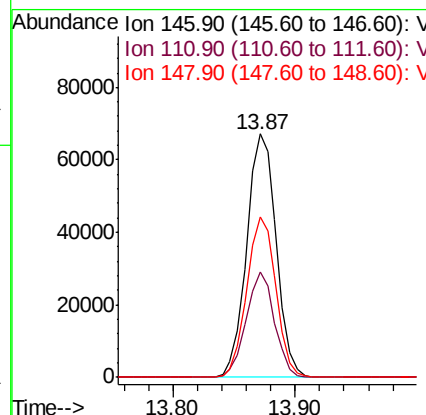
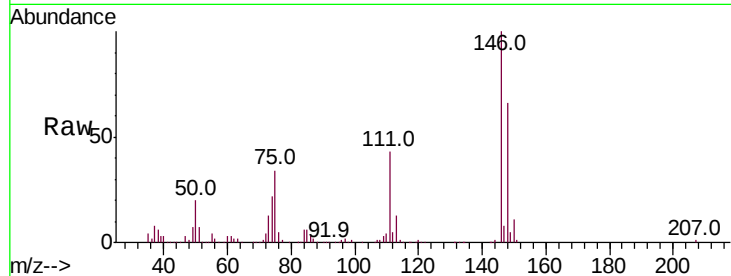
#91
 1,2-Dichlorobenzene
 Concen: 22.509 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	65.1	32.3	96.9

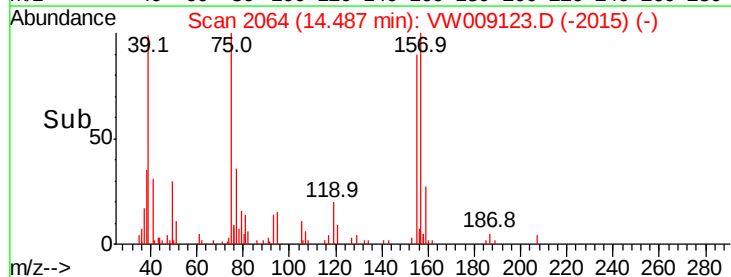
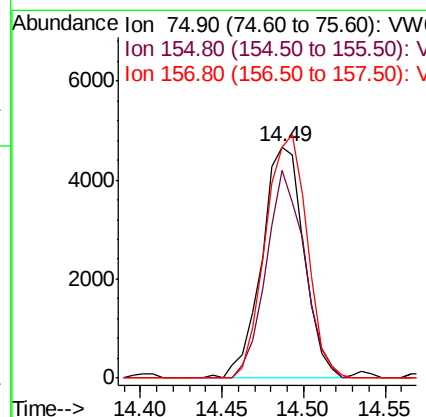
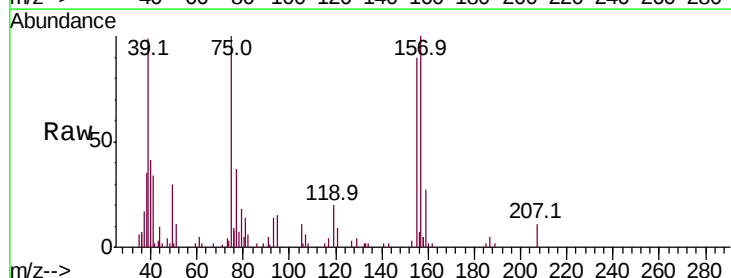
Manual Integrations
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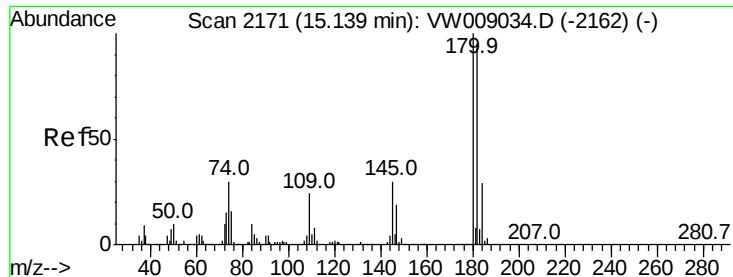
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.382 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	40.8	122.4
157	103.9	52.4	157.3





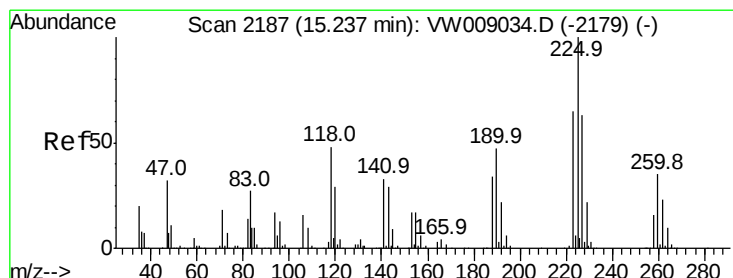
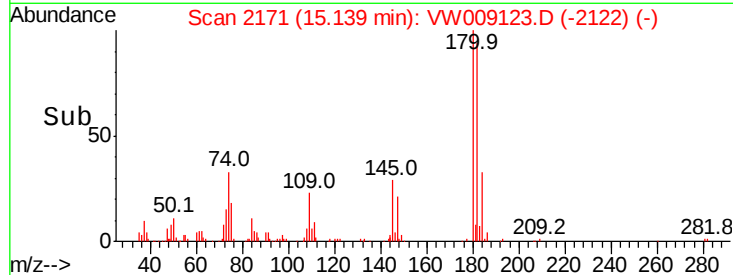
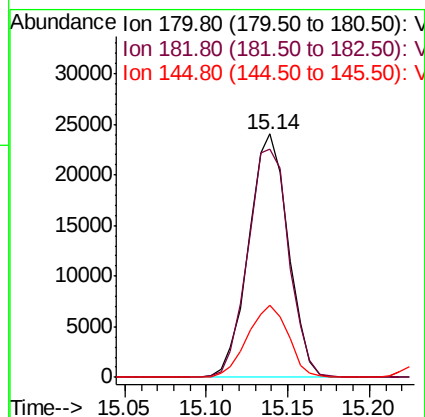
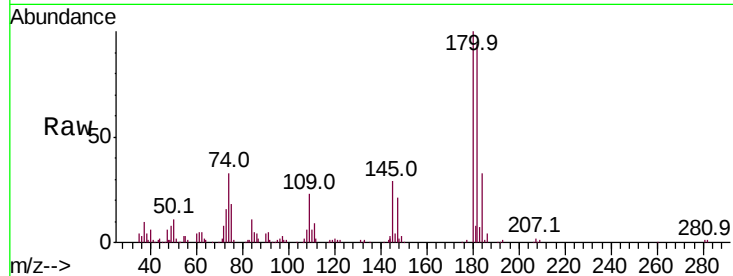
#93
 1,2,4-Trichlorobenzene
 Concen: 12.034 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion:	180	Resp:	40487
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.1	144.3
145	30.3	15.4	46.1

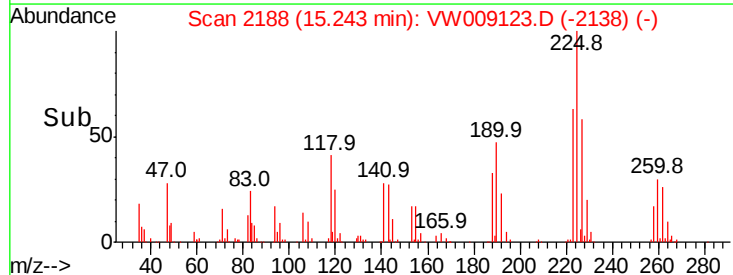
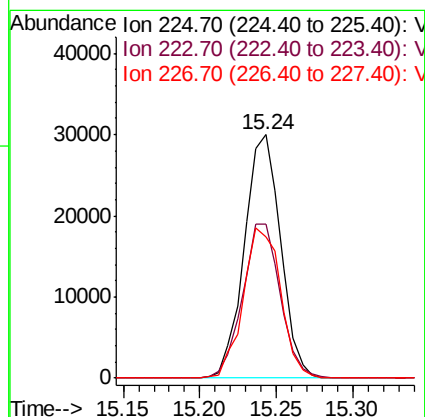
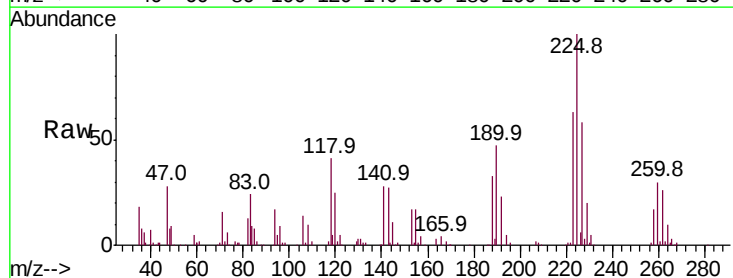
Manual Integrations
 APPROVED

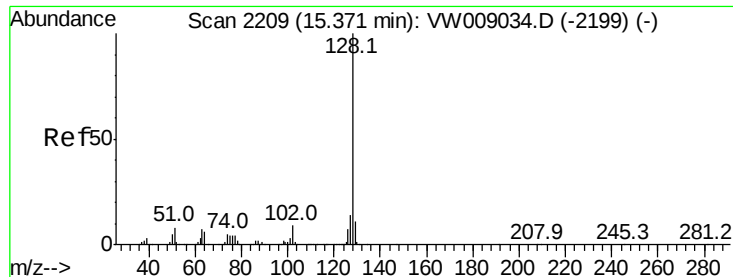
MMDadoda
 3/14/2019 3:12:17 PM



#94
 Hexachlorobutadiene
 Concen: 23.437 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009123.D
 Acq: 12 Mar 2019 14:23

Tgt Ion:	225	Resp:	49389
Ion Ratio	Lower	Upper	
225	100		
223	66.0	31.6	94.8
227	63.8	32.0	96.2





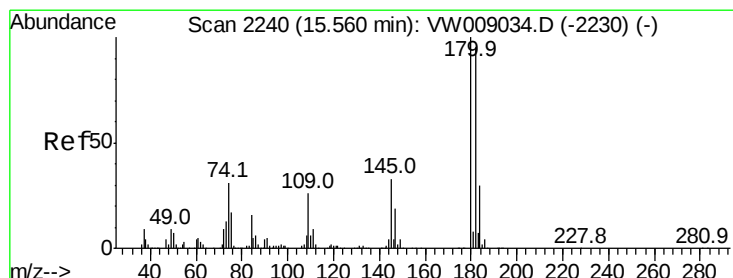
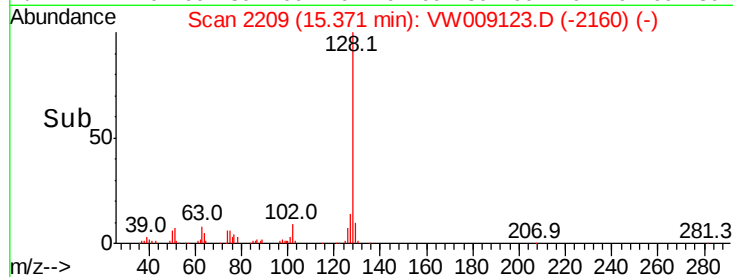
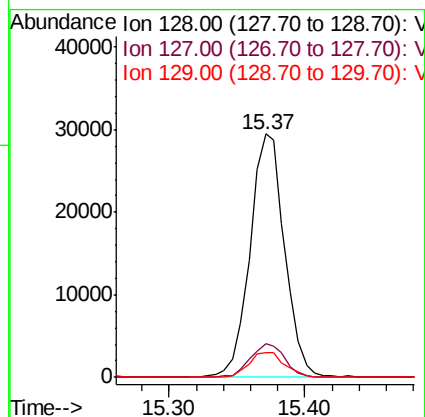
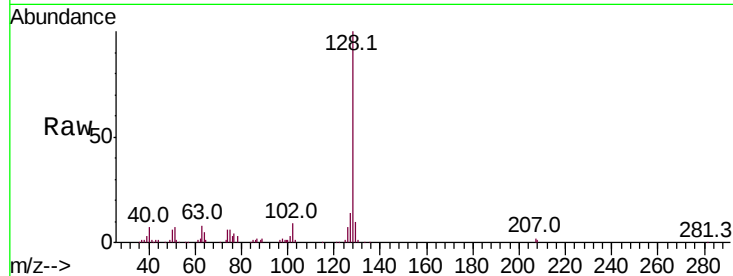
#95
Naphthalene
Concen: 9.528 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:12:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 11.828 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009123.D
Acq: 12 Mar 2019 14:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.3
145	29.6	15.8	47.3

