

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009253.D
 Acq On : 19 Mar 2019 21:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 4.01G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:10 AM

Quant Time: Mar 20 08:12:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	167444	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
35) Dibromofluoromethane	7.88	113	143393	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.32	98	536148	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	206522	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66296	37.025	ug/l	97
3) Chloromethane	2.22	50	111498	51.408	ug/l	99
4) Vinyl Chloride	2.37	62	153008	48.066	ug/l	100
5) Bromomethane	2.78	94	119818	46.154	ug/l	93
6) Chloroethane	2.93	64	117357	47.518	ug/l	99
7) Trichlorofluoromethane	3.26	101	96955	46.494	ug/l	99
8) Diethyl Ether	3.67	74	82410	54.797	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133890	44.323	ug/l	98
10) Methyl Iodide	4.28	142	207660	47.687	ug/l	97
11) Tert butyl alcohol	5.18	59	52247	282.778	ug/l	98
12) 1,1-Dichloroethene	4.04	96	128666	45.059	ug/l	93
13) Acrolein	3.89	56	37899	251.302	ug/l	96
14) Allyl chloride	4.65	41	214436	50.939	ug/l	97
15) Acrylonitrile	5.36	53	169438	268.081	ug/l	99
16) Acetone	4.12	43	161504	247.347	ug/l	92
17) Carbon Disulfide	4.38	76	353350	44.388	ug/l	96
18) Methyl Acetate	4.67	43	90805	54.188	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	201633	57.534	ug/l	100
20) Methylene Chloride	4.92	84	143838	52.843	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	140809	47.930	ug/l	93
22) Diisopropyl ether	6.31	45	483643	53.293	ug/l	97
23) Vinyl Acetate	6.25	43	1553524	272.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272015	48.567	ug/l	98
25) 2-Butanone	7.17	43	254217	271.717	ug/l	100
26) 2,2-Dichloropropane	7.17	77	145765	46.579	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	162093	50.929	ug/l	99
28) Bromochloromethane	7.51	49	132290	53.850	ug/l	97
29) Tetrahydrofuran	7.52	42	166122	279.344	ug/l	99
30) Chloroform	7.67	83	287010	49.251	ug/l	98
31) Cyclohexane	7.95	56	233794	44.774	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	226074	48.601	ug/l	98
36) 1,1-Dichloropropene	8.08	75	212819	45.213	ug/l	99
37) Ethyl Acetate	7.25	43	113765	52.966	ug/l	99
38) Carbon Tetrachloride	8.07	117	221937	44.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	249993	45.905	ug/l	99
40) Benzene	8.32	78	602386	47.193	ug/l	99
41) Methacrylonitrile	7.48	41	68795	59.427	ug/l	91
42) 1,2-Dichloroethane	8.40	62	205147	49.166	ug/l	100
43) Isopropyl Acetate	8.42	43	224945	52.301	ug/l	99
44) Trichloroethene	9.09	130	156331	44.708	ug/l	97
45) 1,2-Dichloropropane	9.37	63	154961	47.756	ug/l	95
46) Dibromomethane	9.46	93	87955	49.293	ug/l	97
47) Bromodichloromethane	9.64	83	219473	48.674	ug/l	96
48) Methyl methacrylate	9.43	41	106170	53.318	ug/l	99
49) 1,4-Dioxane	9.45	88	29996	1083.816	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	599762	267.573	ug/l	100
52) Toluene	10.38	92	381893	47.218	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	222376	50.575	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	246117	49.754	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	118872	49.199	ug/l	96
56) Ethyl methacrylate	10.65	69	158354	55.041	ug/l	97
57) 1,3-Dichloropropane	10.93	76	208009	49.915	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	430018	510.824	ug/l	99
59) 2-Hexanone	10.97	43	417204	274.162	ug/l	98
60) Dibromochloromethane	11.13	129	146068	48.932	ug/l	98
61) 1,2-Dibromoethane	11.23	107	117594	51.101	ug/l	98
64) Tetrachloroethene	10.86	164	139907	46.089	ug/l	96
65) Chlorobenzene	11.66	112	426641	46.541	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	159147	46.479	ug/l	99
67) Ethyl Benzene	11.73	91	756314	47.633	ug/l	99
68) m/p-Xylenes	11.84	106	585732	95.174	ug/l	100
69) o-Xylene	12.16	106	280939	49.159	ug/l	98
70) Styrene	12.18	104	470102	49.890	ug/l	99
71) Bromoform	12.35	173	91157	48.740	ug/l #	99
73) Isopropylbenzene	12.46	105	779575	49.008	ug/l	100
74) N-amyl acetate	12.27	43	224036	53.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	151463	50.903	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	105190m	47.034	ug/l	
77) Bromobenzene	12.75	156	181762	48.240	ug/l	99
78) n-propylbenzene	12.80	91	944268	48.334	ug/l	99
79) 2-Chlorotoluene	12.89	91	539049	48.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	673525	49.789	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45993	50.461	ug/l	96
82) 4-Chlorotoluene	12.99	91	571182	48.853	ug/l	100
83) tert-Butylbenzene	13.21	119	584119	50.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	690622	49.799	ug/l	100
85) sec-Butylbenzene	13.38	105	842806	49.337	ug/l	99
86) p-Isopropyltoluene	13.50	119	748662	49.216	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	370769	47.552	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	366314	47.184	ug/l	100
89) n-Butylbenzene	13.82	91	719540	49.276	ug/l	99
90) Hexachloroethane	14.10	117	143696	47.912	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	340366	48.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27118	50.897	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	233486	49.725	ug/l	99
94) Hexachlorobutadiene	15.24	225	137704	46.109	ug/l	100
95) Naphthalene	15.37	128	451187	55.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	209440	49.968	ug/l	100

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

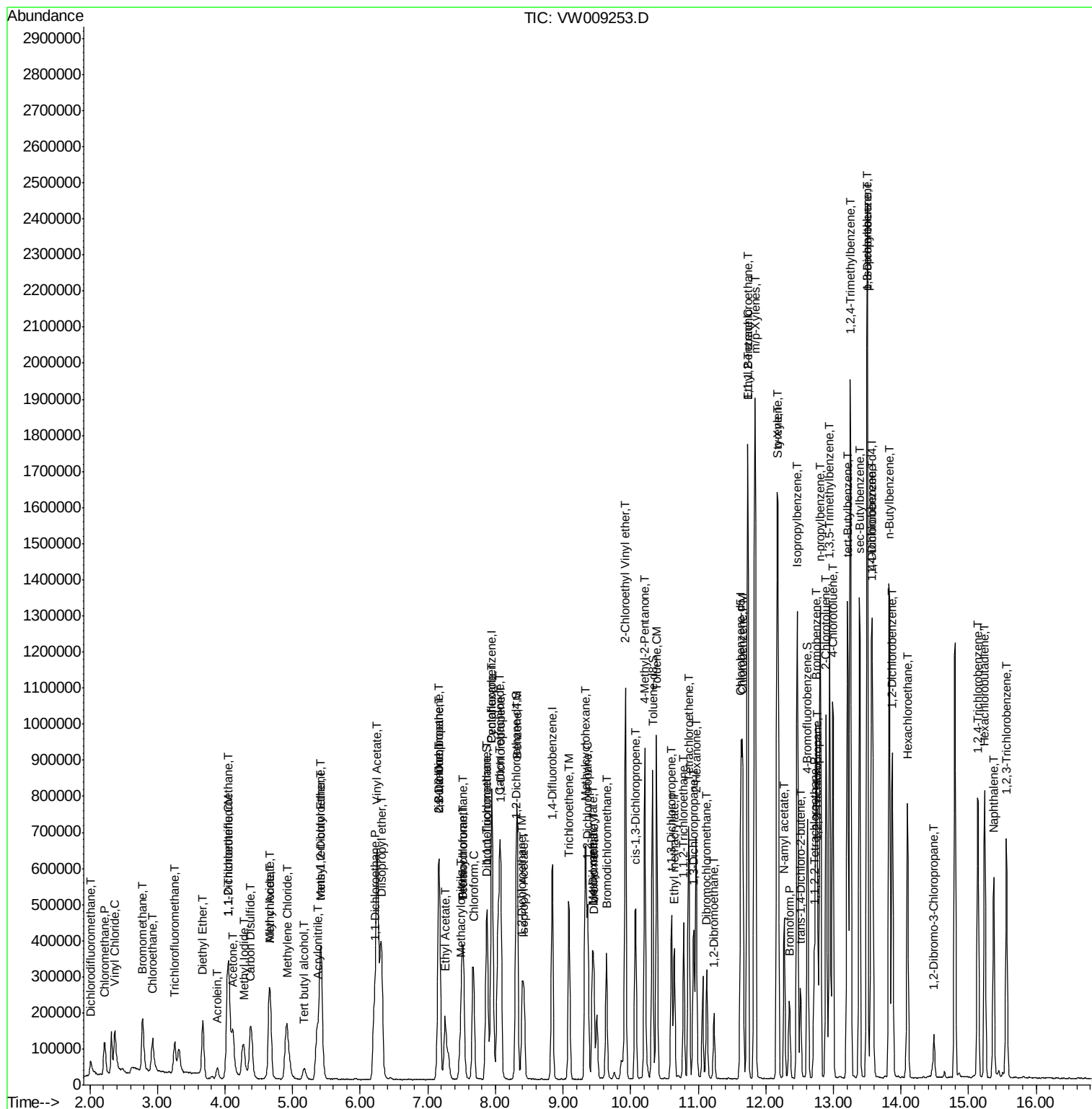
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009253.D
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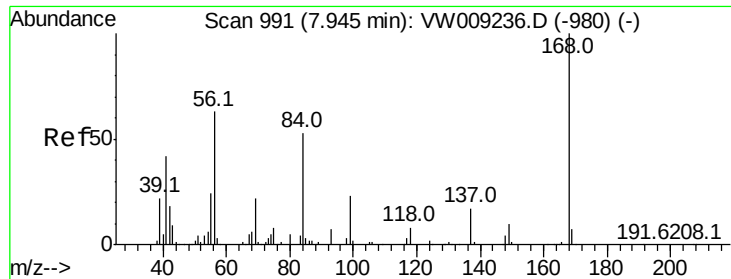
Instrument :
MSVOA_W
ClientSampleId :
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#1

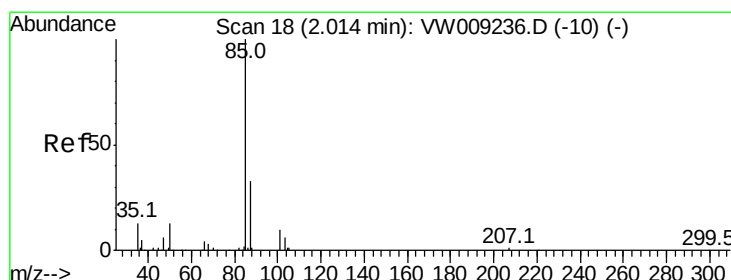
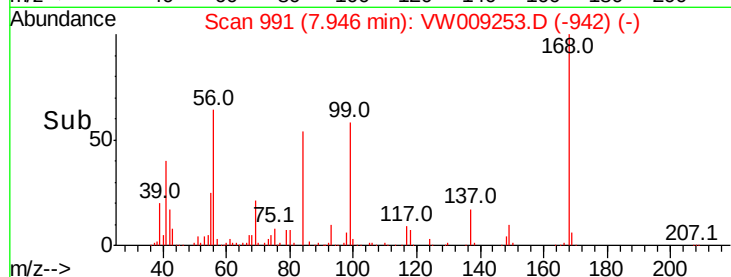
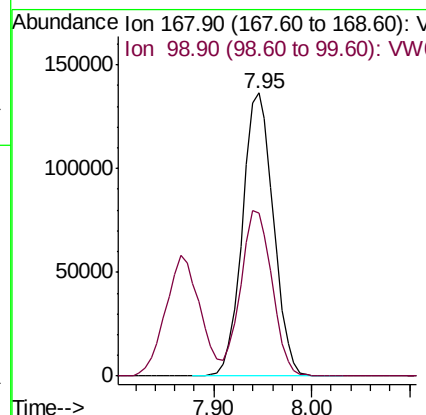
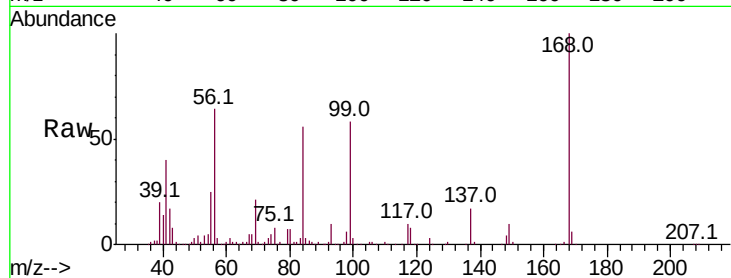
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.5	45.4	68.0

Manual Integrations
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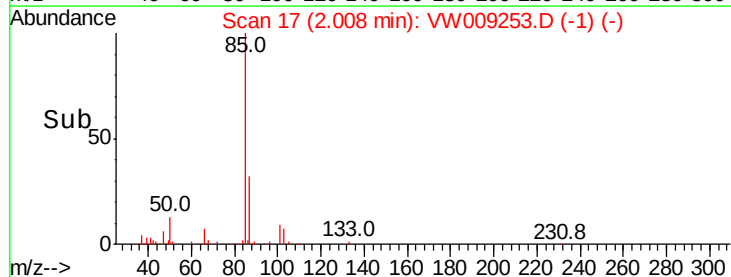
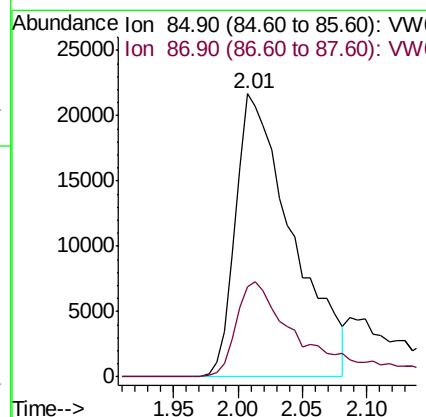
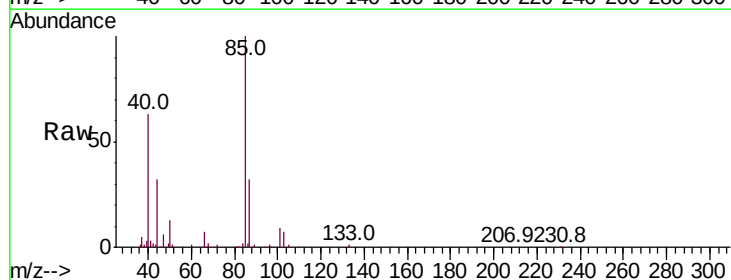
MMDadoda
 3/22/2019 3:53:10 AM

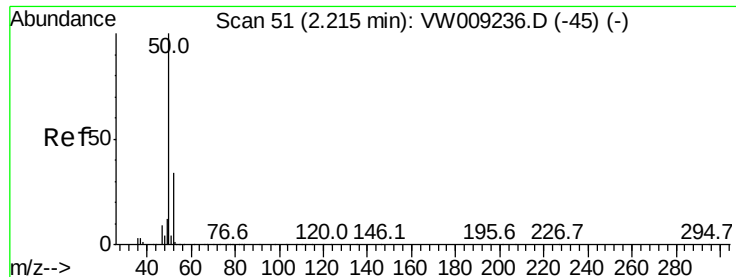


#2

Dichlorodifluoromethane
 Concen: 37.025 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.7	50.1





#3

Chloromethane

Concen: 51.408 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 111498

Ion Ratio Lower Upper

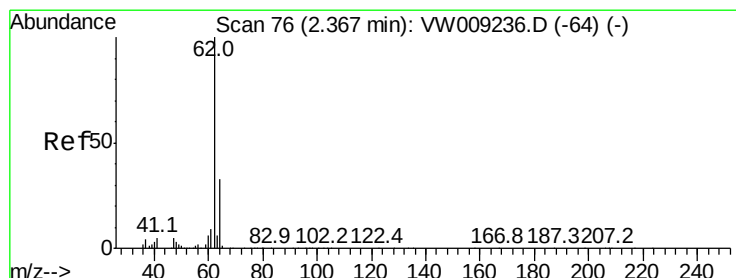
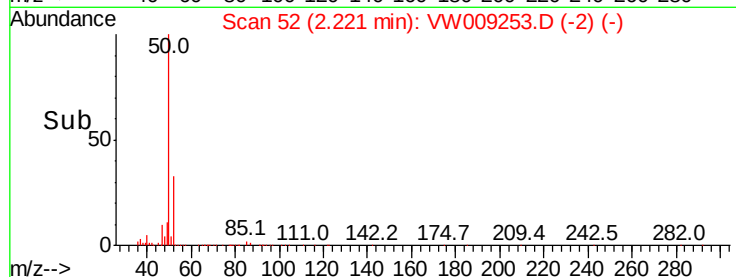
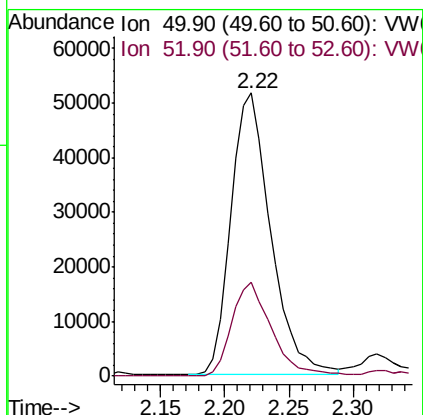
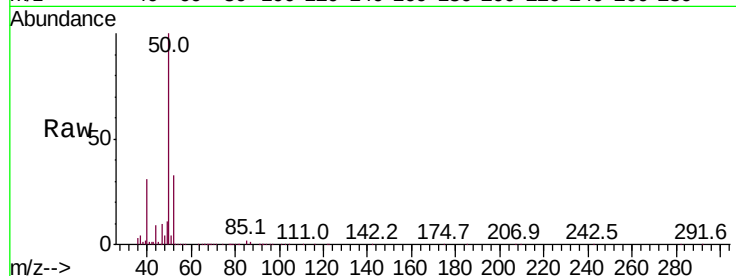
50 100

52 33.2 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.066 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009253.D

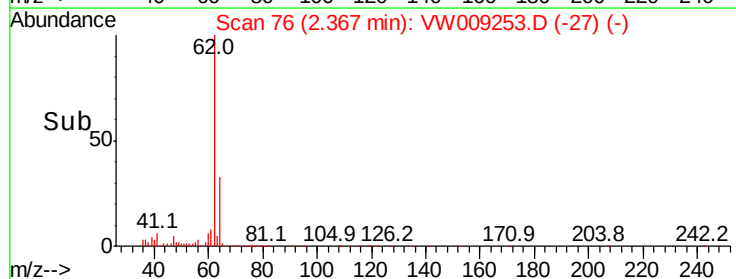
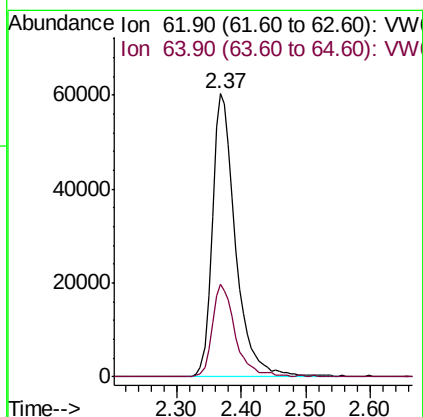
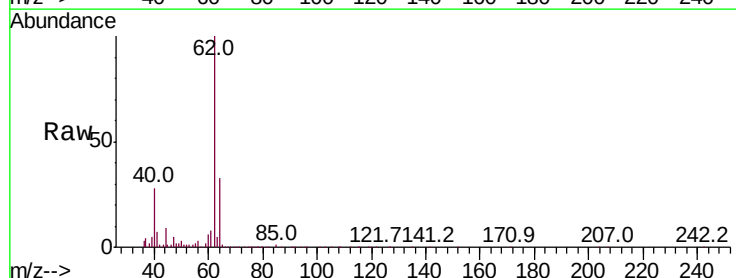
Acq: 19 Mar 2019 21:01

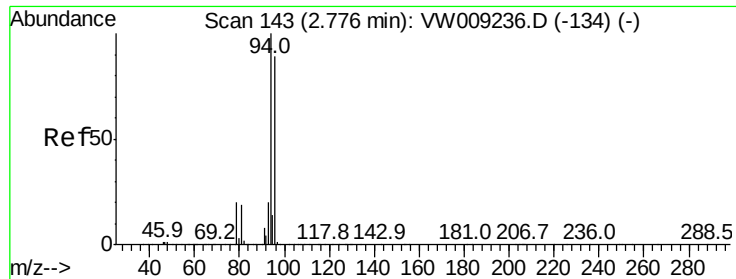
Tgt Ion: 62 Resp: 153008

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 46.154 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 119818

Ion Ratio Lower Upper

94 100

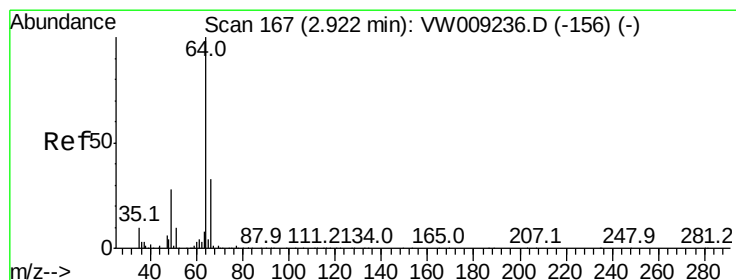
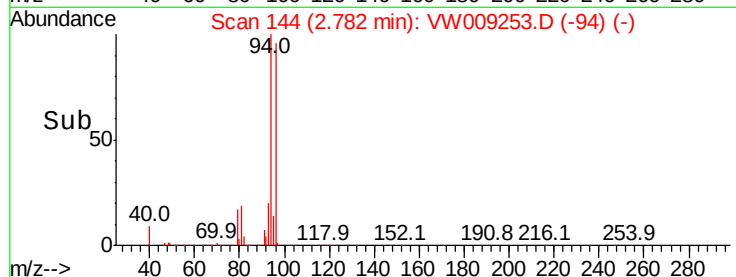
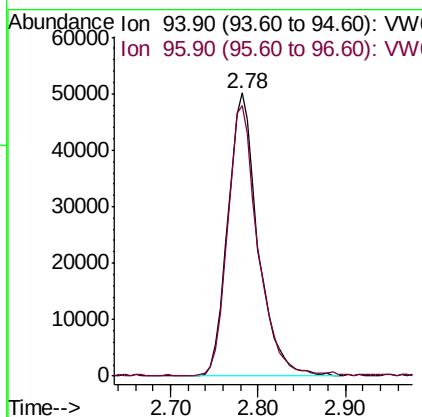
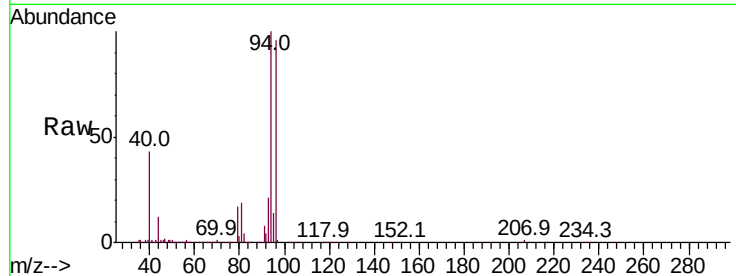
96 95.5 71.4 107.2

Manual Integrations

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#6

Chloroethane

Concen: 47.518 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009253.D

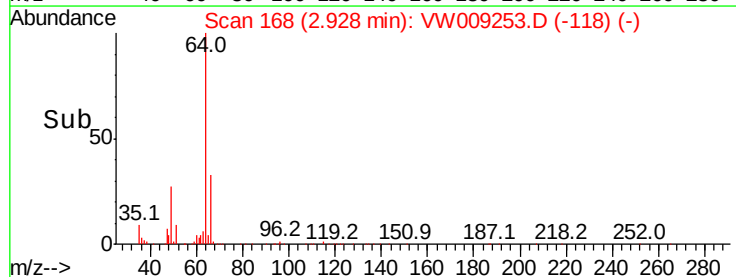
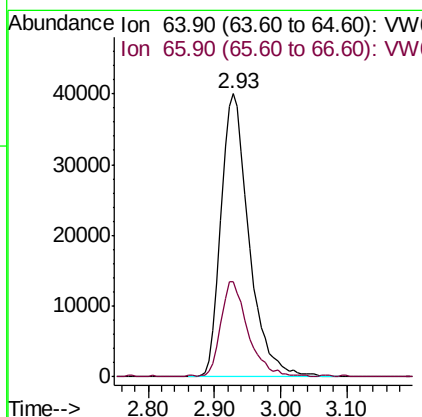
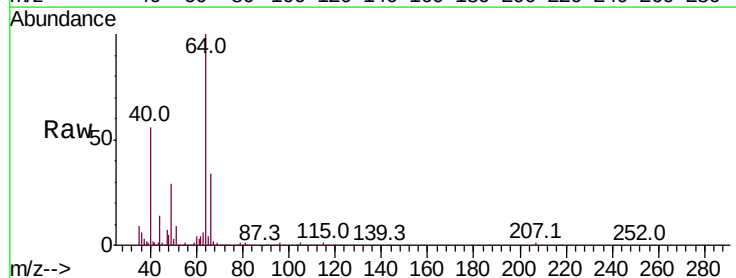
Acq: 19 Mar 2019 21:01

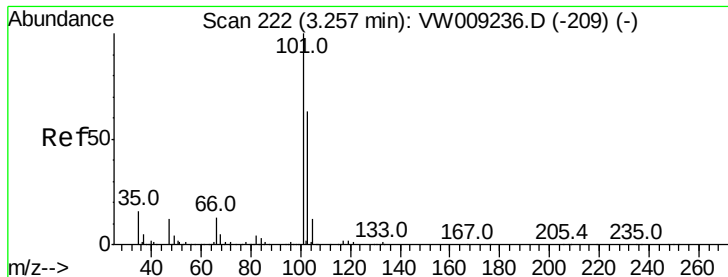
Tgt Ion: 64 Resp: 117357

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.2





#7

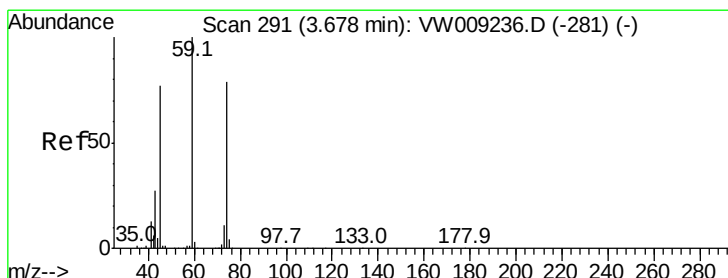
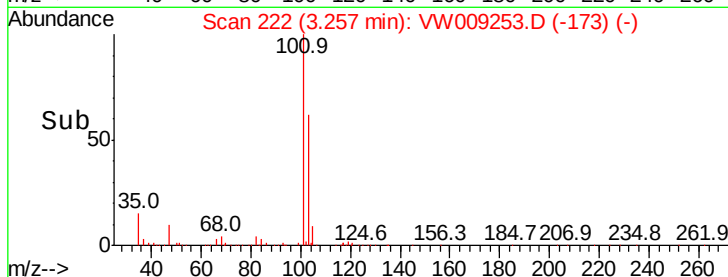
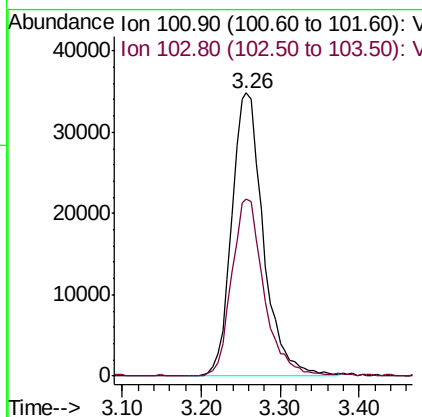
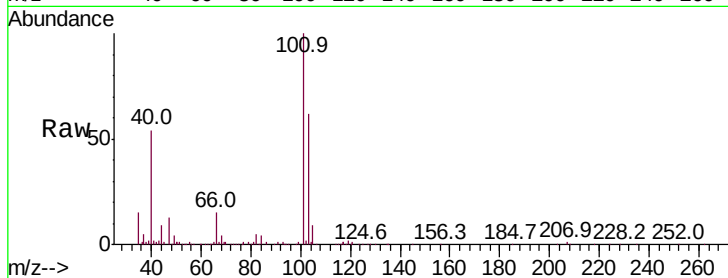
Trichlorofluoromethane
 Concen: 46.494 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.5	75.7

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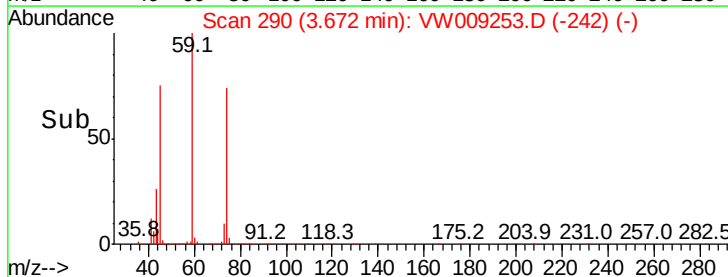
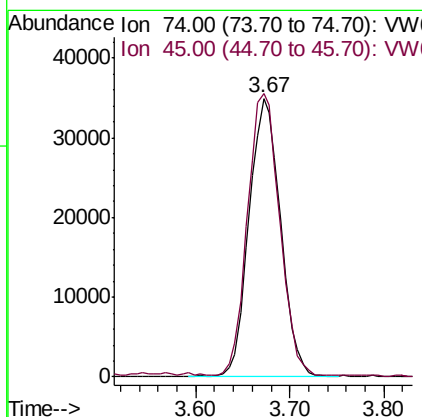
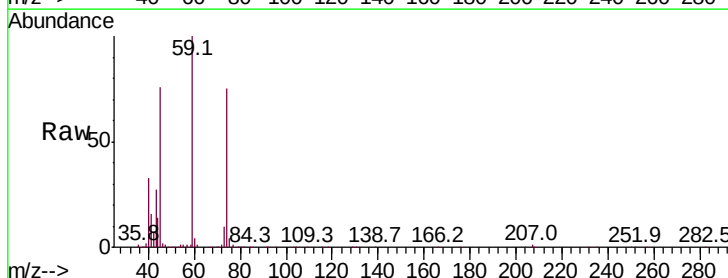
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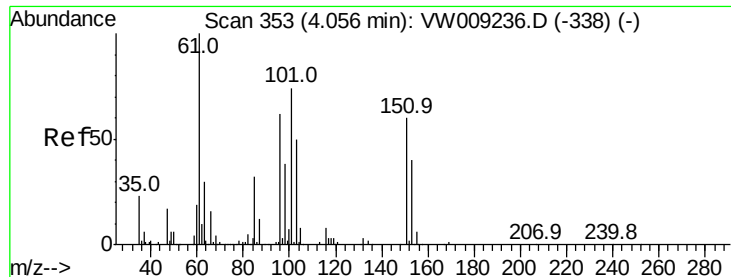


#8

Diethyl Ether
 Concen: 54.797 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.323 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009253.D

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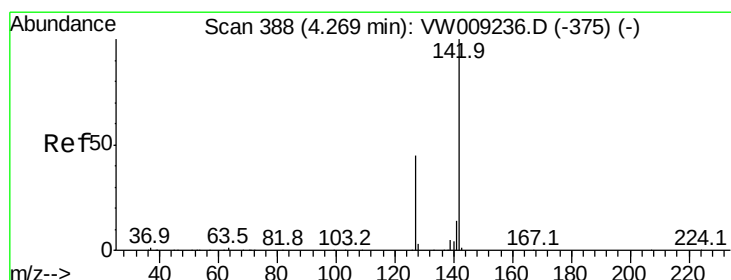
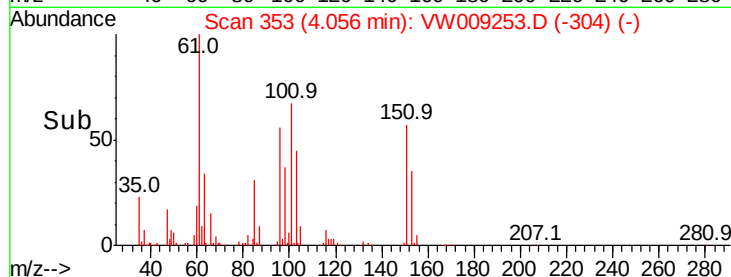
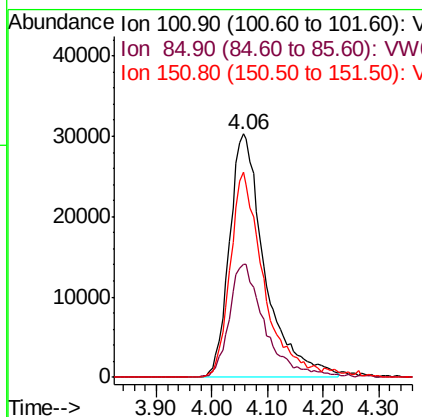
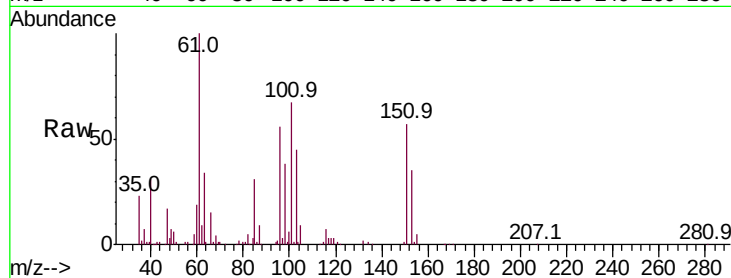
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	133890
Ion Ratio	Lower	Upper	
101	100		
85	47.0	35.1	52.7
151	79.0	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 47.687 ug/l

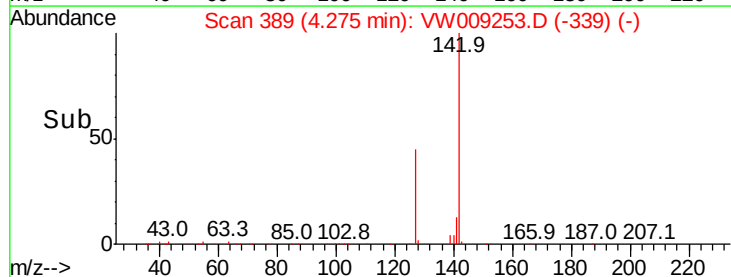
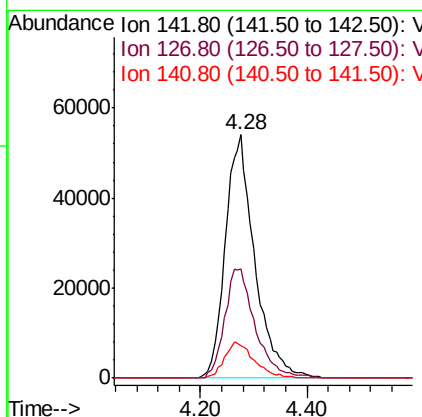
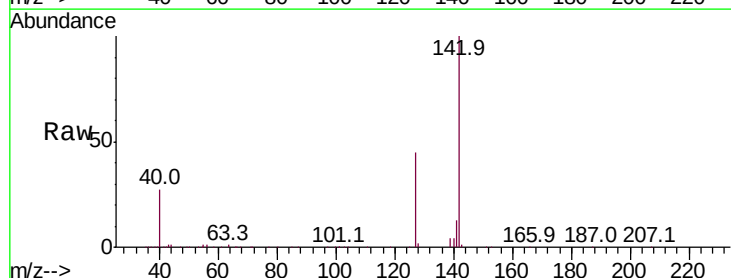
RT: 4.28 min Scan# 389

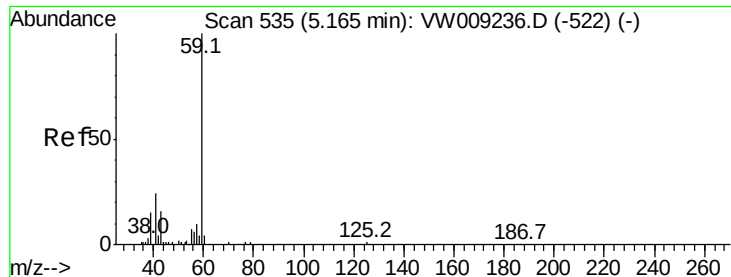
Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	142	Resp:	207660
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.9	53.9
141	15.2	11.4	17.2





#11

Tert butyl alcohol

Concen: 282.778 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W

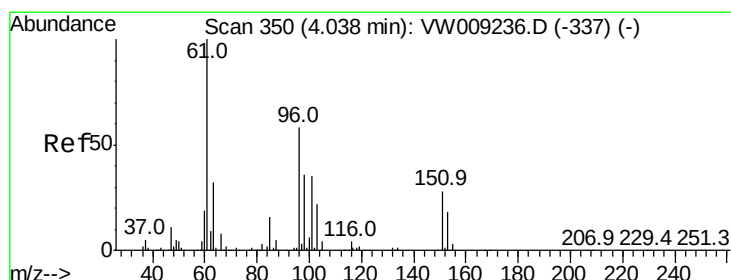
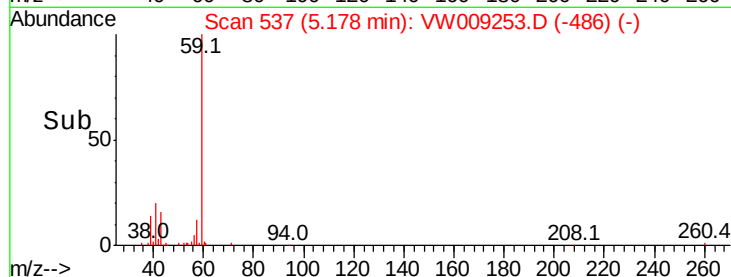
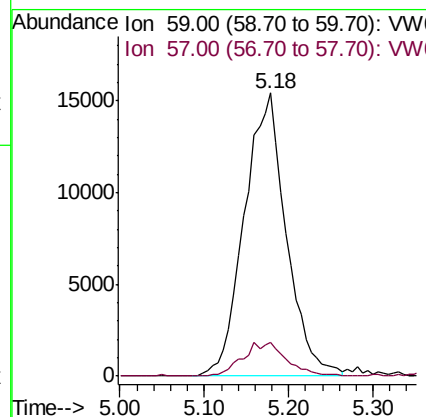
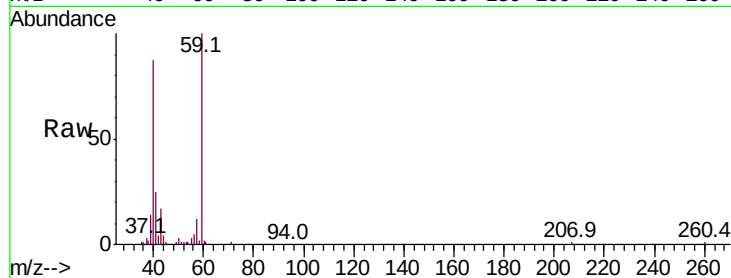
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 52247

Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.4	14.0

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#12

1,1-Dichloroethene

Concen: 45.059 ug/l

RT: 4.04 min Scan# 351

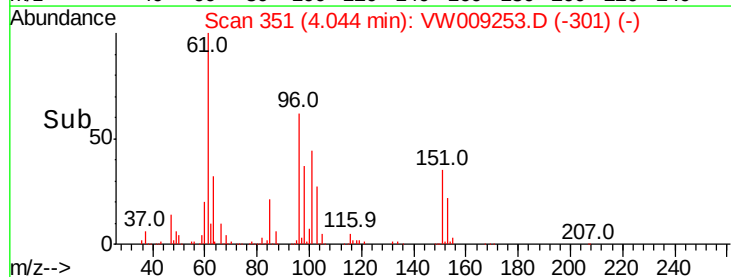
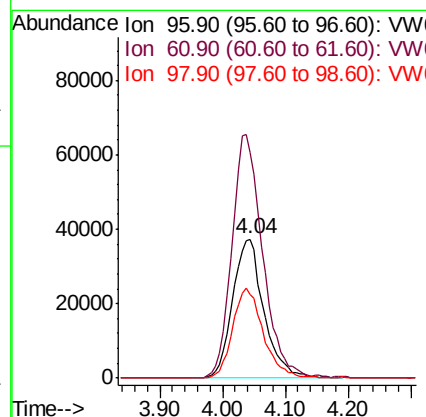
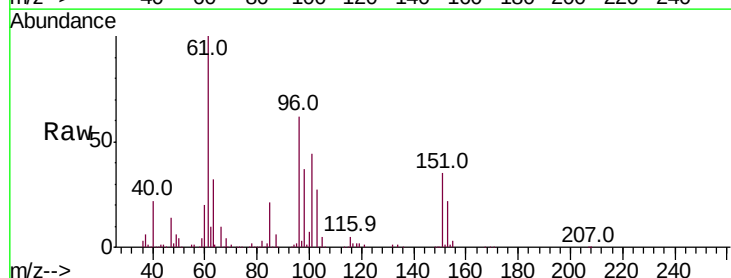
Delta R.T. 0.01 min

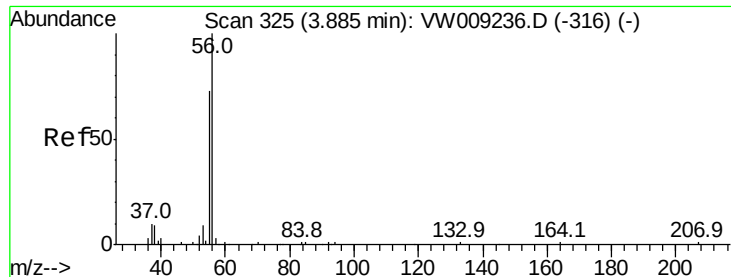
Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion: 96 Resp: 128666

Ion	Ratio	Lower	Upper
96	100		
61	161.8	138.0	207.0
98	59.9	49.8	74.8





#13

Acrolein

Concen: 251.302 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37899

Ion Ratio Lower Upper

56 100

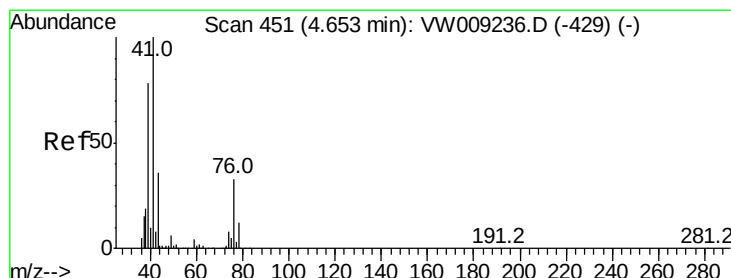
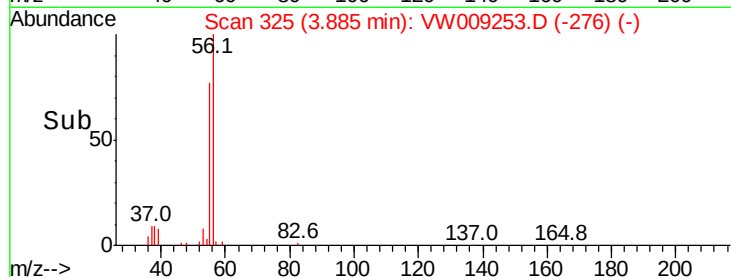
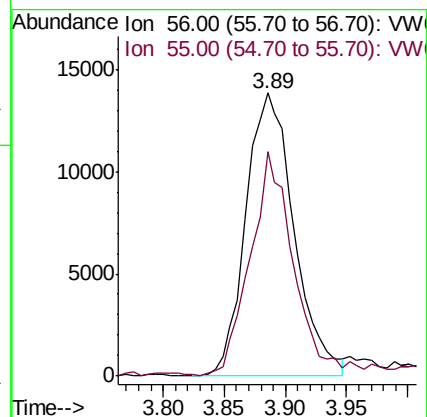
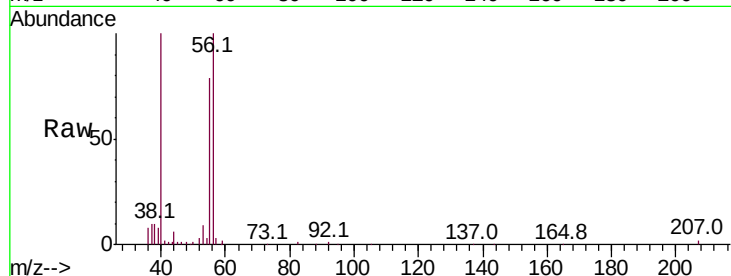
55 72.0 55.2 82.8

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#14

Allyl chloride

Concen: 50.939 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

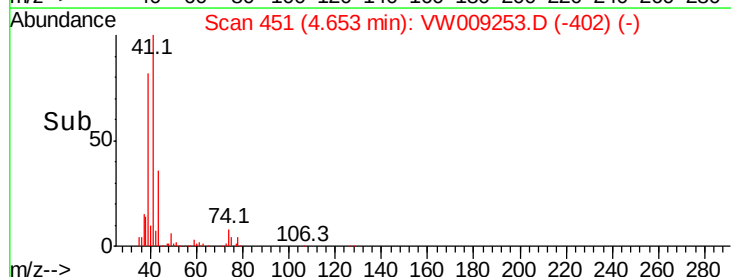
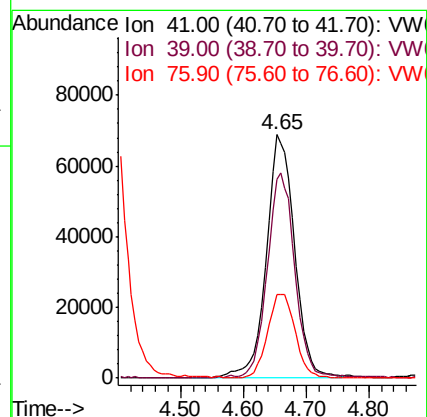
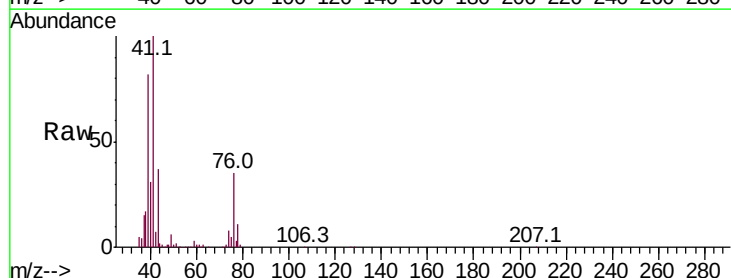
Tgt Ion: 41 Resp: 214436

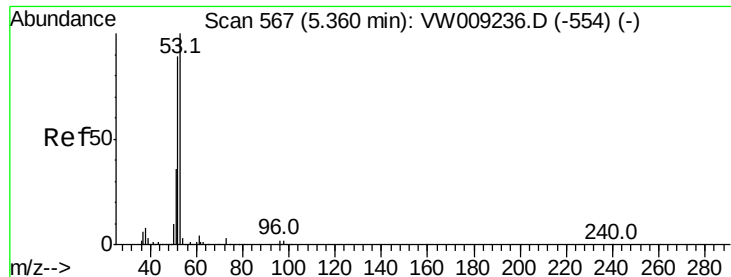
Ion Ratio Lower Upper

41 100

39 82.2 63.8 95.6

76 33.0 27.8 41.6





#15

Acrylonitrile

Concen: 268.081 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

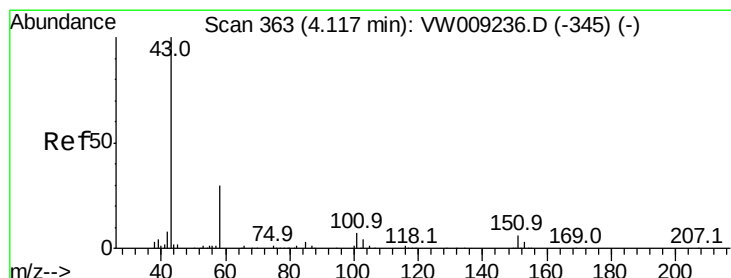
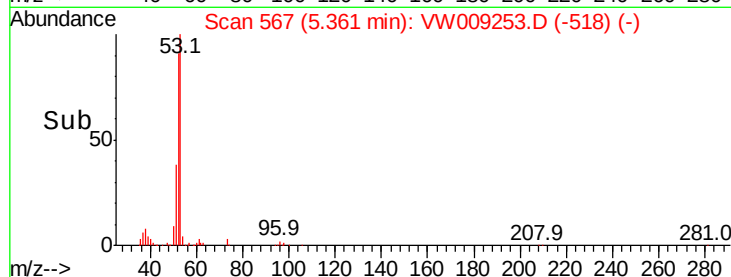
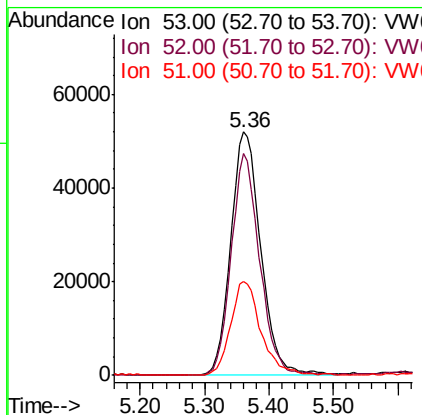
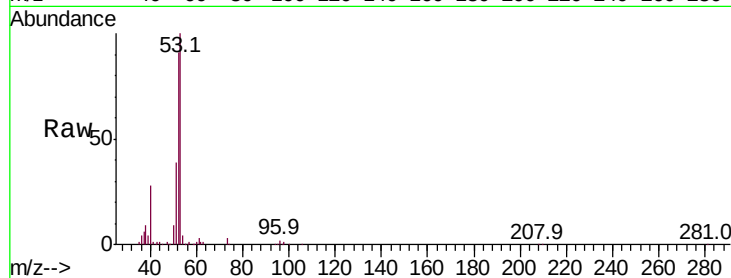
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	169438
Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.6	101.4
51	38.9	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 247.347 ug/l

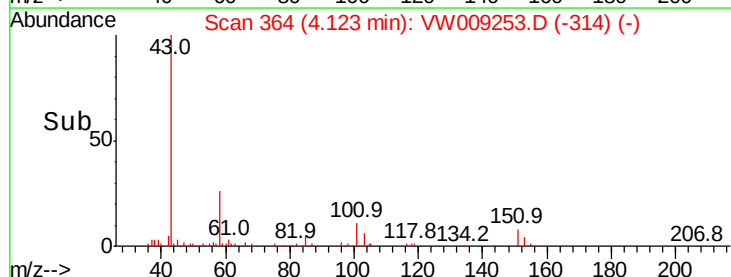
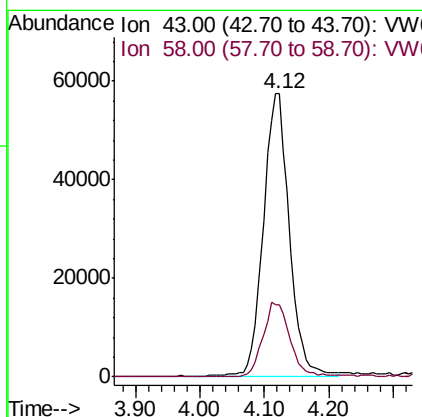
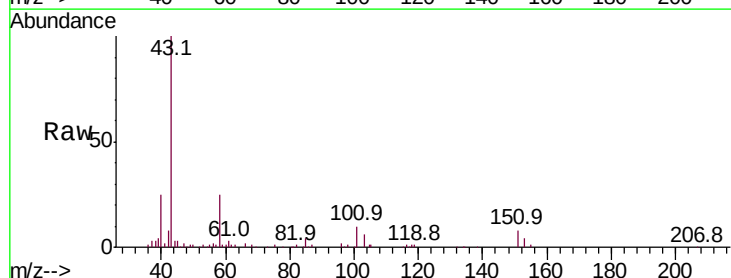
RT: 4.12 min Scan# 364

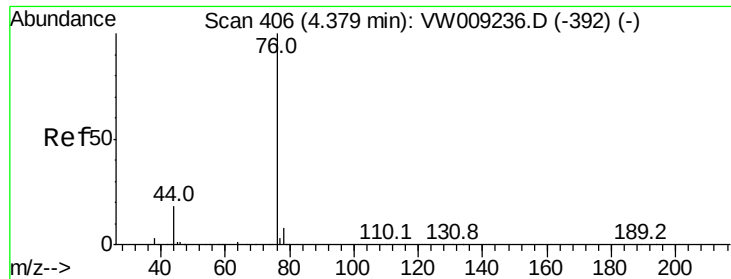
Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	43	Resp:	161504
Ion	Ratio	Lower	Upper
43	100		
58	25.4	23.6	35.4





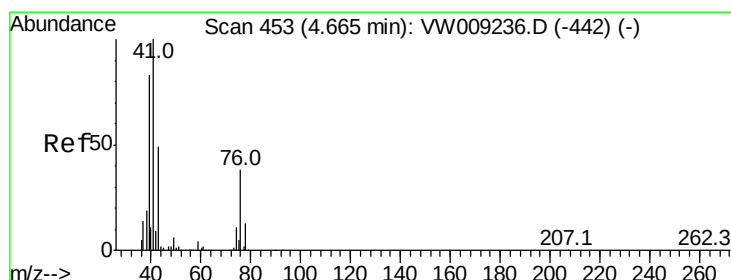
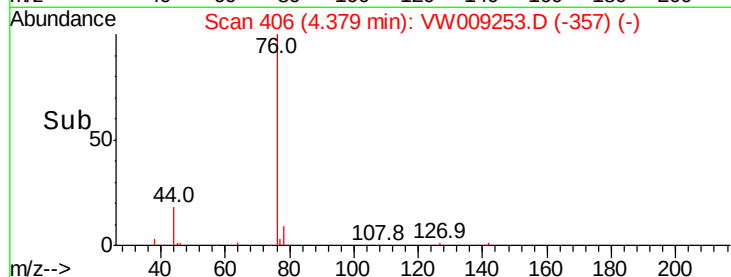
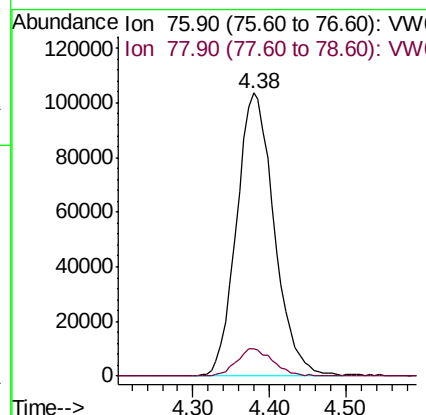
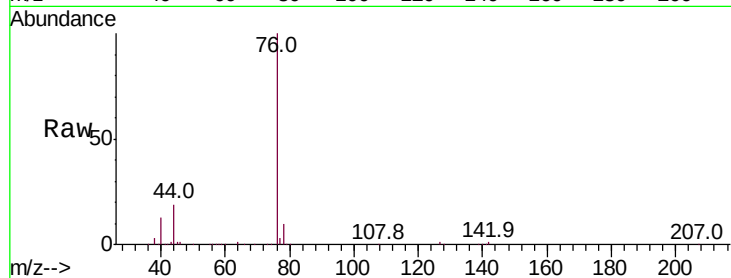
#17
Carbon Disulfide
Concen: 44.388 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8

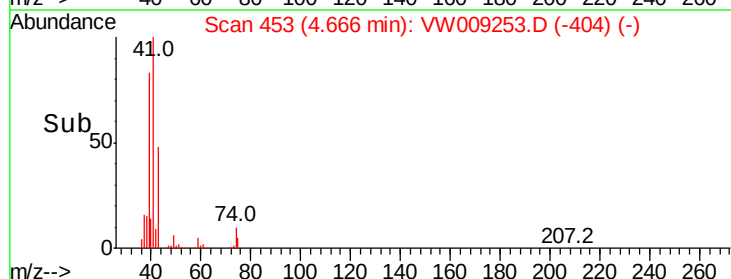
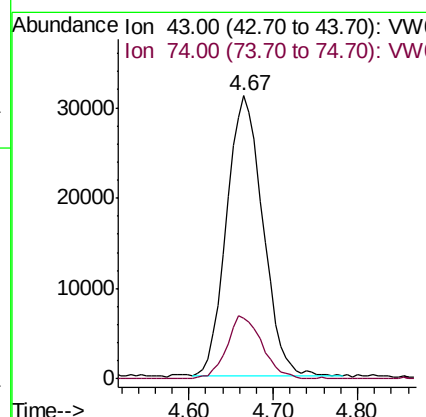
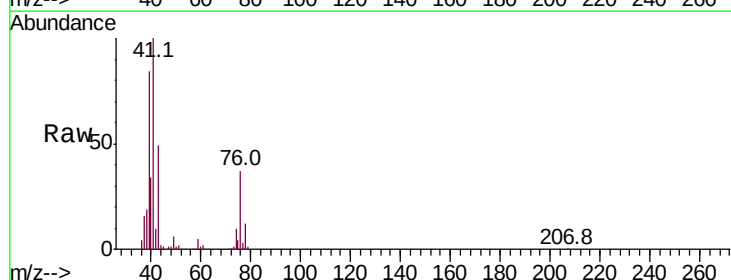
Manual Integrations
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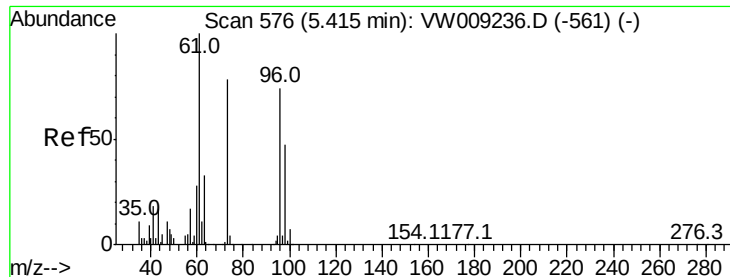
MMDadoda
3/22/2019 3:53:10 AM



#18
Methyl Acetate
Concen: 54.188 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.7	26.5





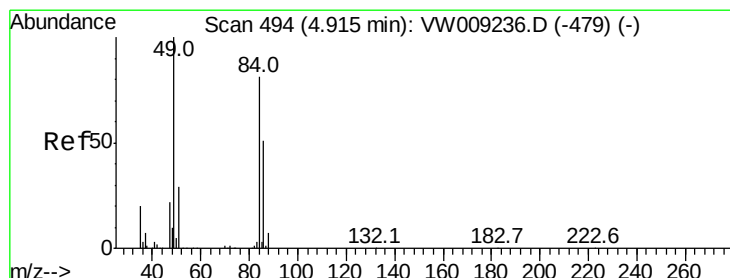
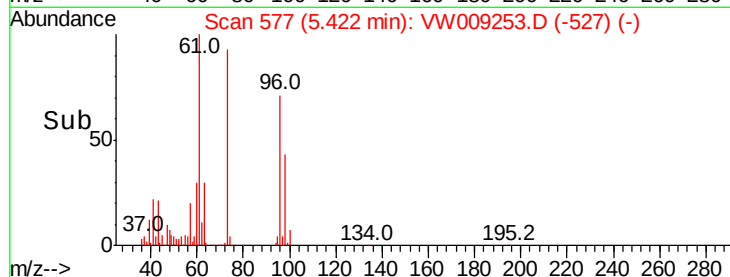
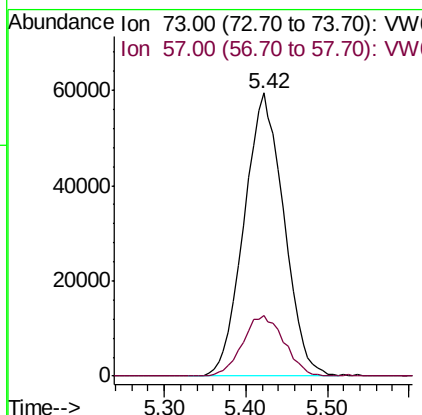
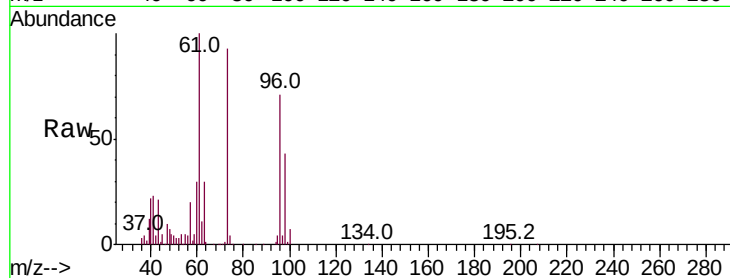
#19
Methyl tert-butyl Ether
Concen: 57.534 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 201633
Ion Ratio Lower Upper
73 100
57 21.4 17.0 25.6

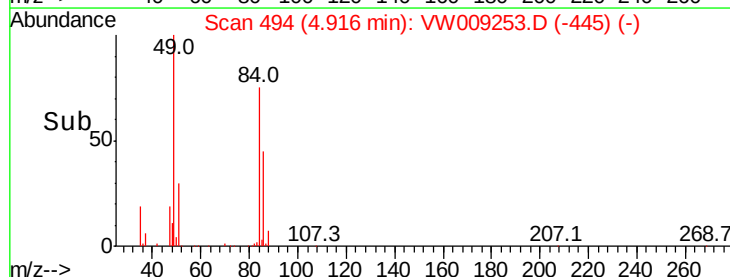
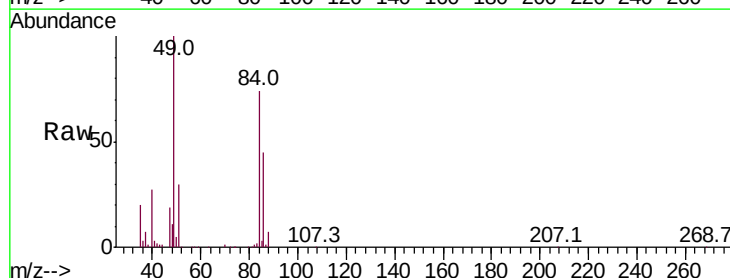
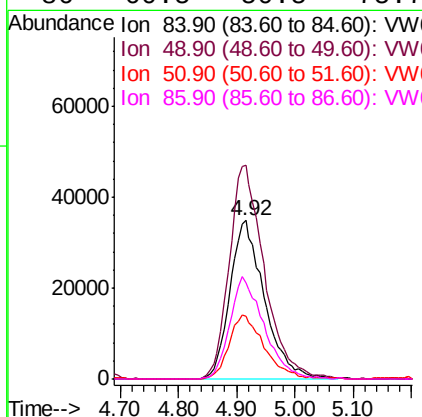
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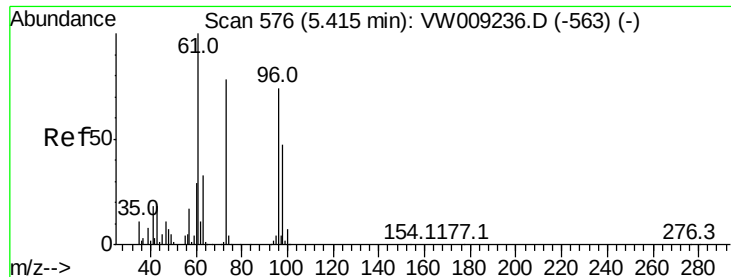
MMDadoda
3/22/2019 3:53:10 AM



#20
Methylene Chloride
Concen: 52.843 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 84 Resp: 143838
Ion Ratio Lower Upper
84 100
49 134.8 99.1 148.7
51 39.6 28.7 43.1
86 60.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.930 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 140809

Ion Ratio Lower Upper

96 100

61 146.9 108.2 162.4

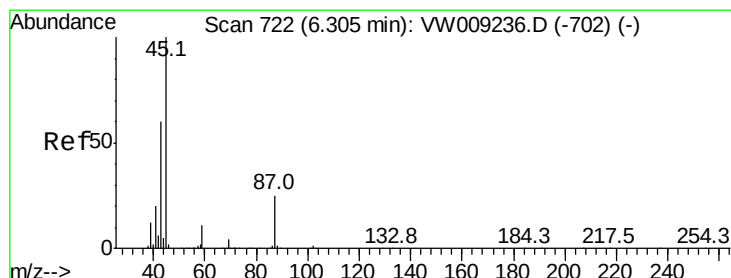
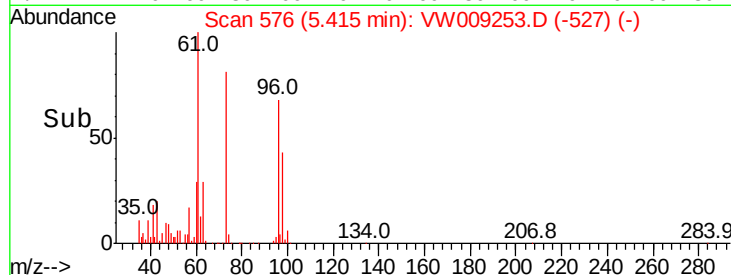
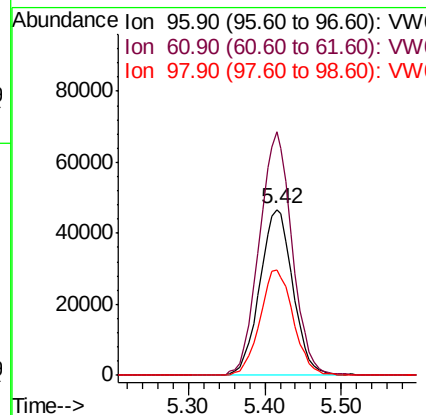
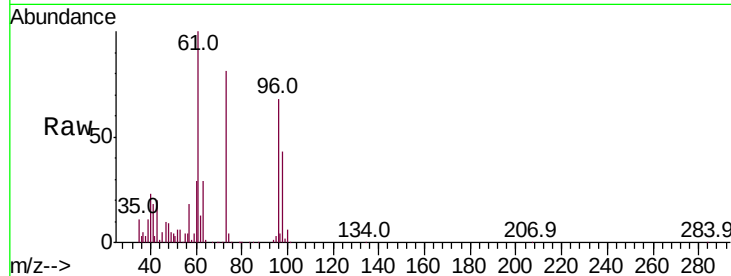
98 63.4 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.293 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion: 45 Resp: 483643

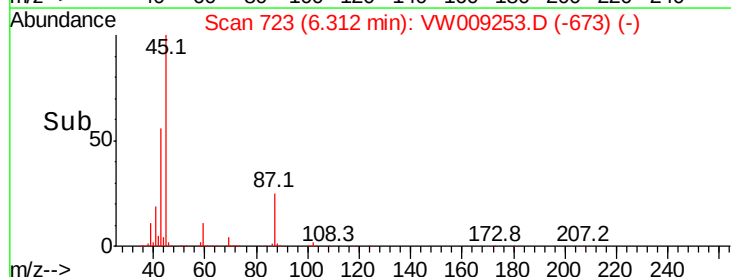
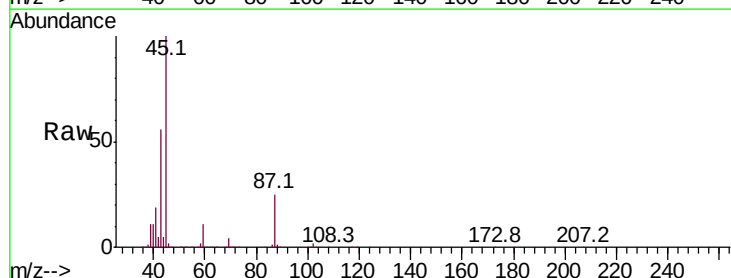
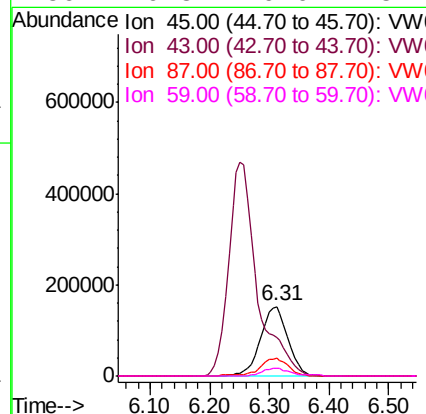
Ion Ratio Lower Upper

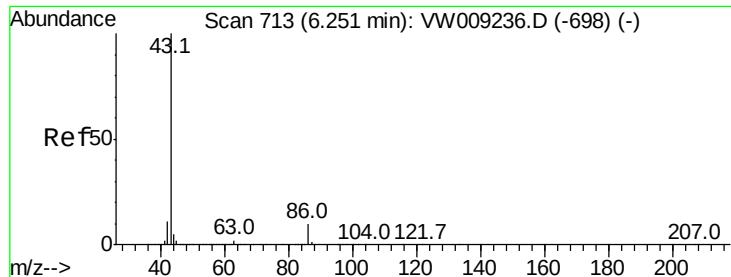
45 100

43 56.2 47.9 71.9

87 25.2 20.6 30.8

59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 272.827 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tot Ion: 43 Resp: 1553524

Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5

Instrument :

MSVOA_W

ClientSampled :

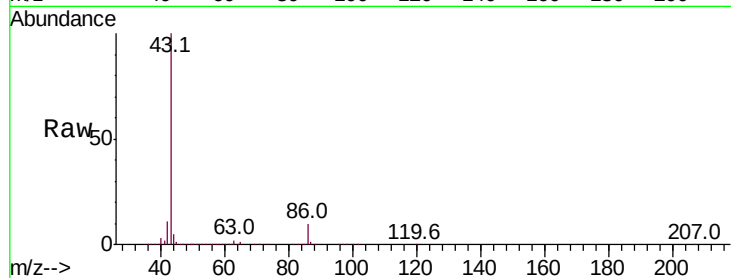
VSTDCCC050EC

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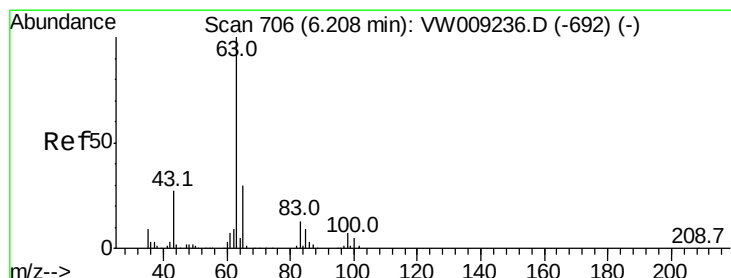
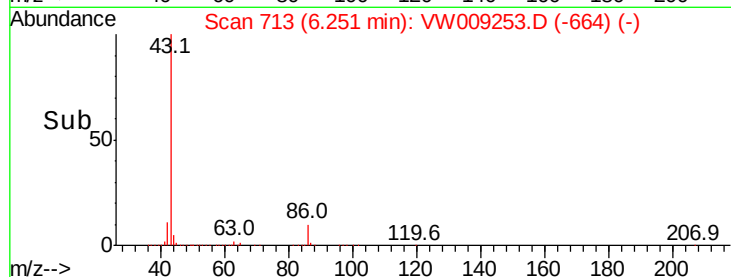
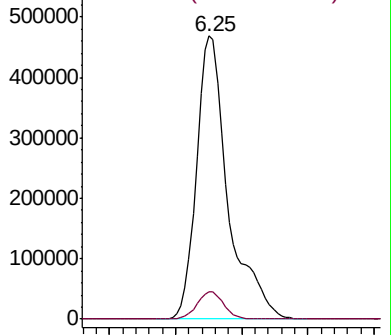
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.567 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

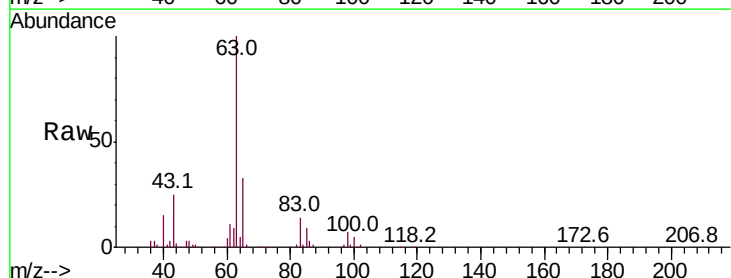
Tgt Ion: 63 Resp: 272015

Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

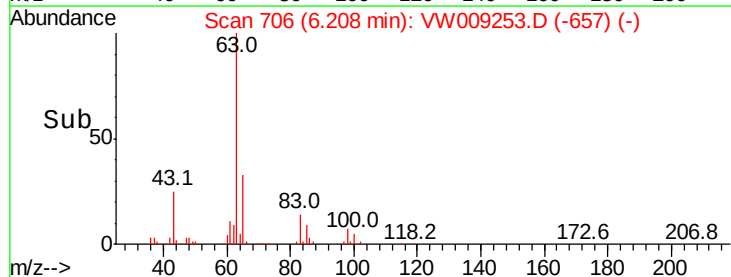
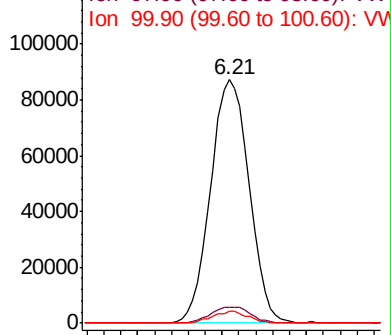
100 4.9 2.4 7.1

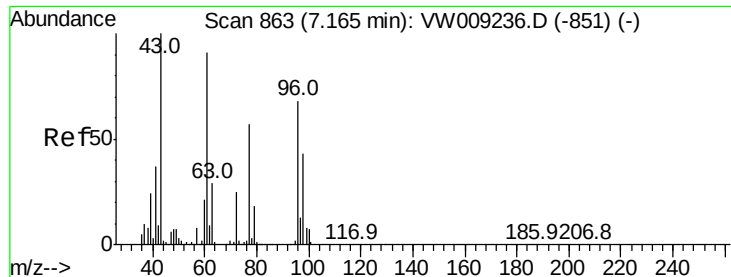


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 271.717 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 254217

Ion Ratio Lower Upper

43 100

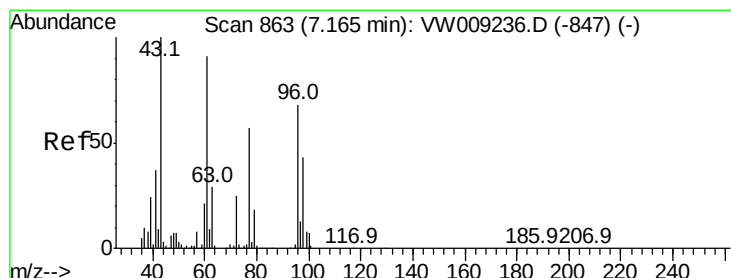
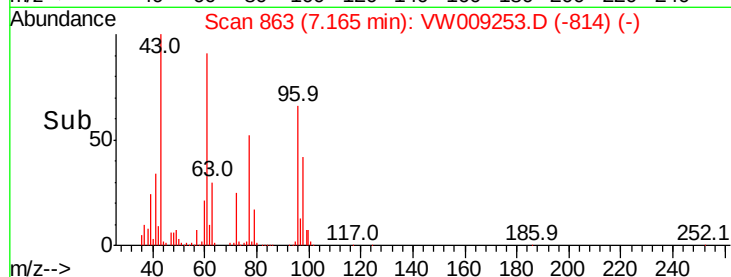
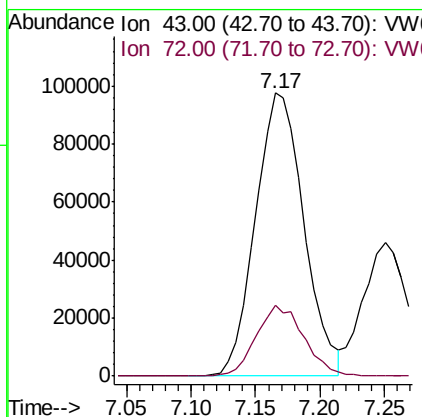
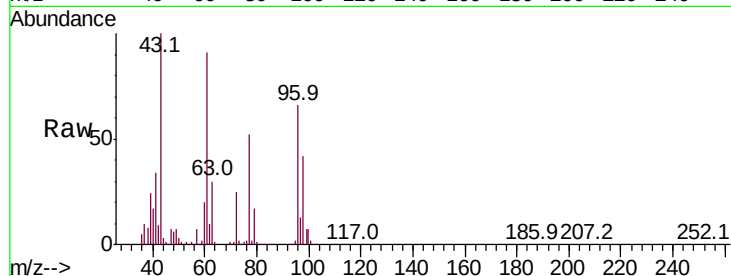
72 25.2 20.0 30.0

Manual Integrations

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MMDadoda

3/22/2019 3:53:10 AM



#26

2,2-Dichloropropane

Concen: 46.579 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009253.D

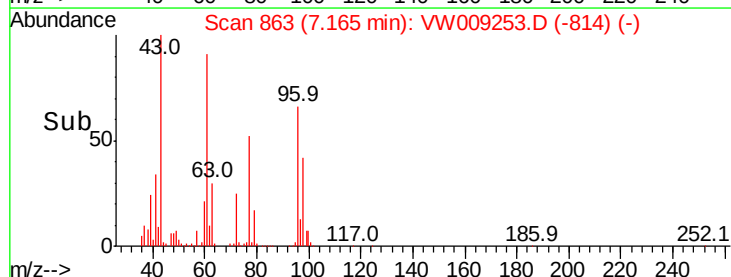
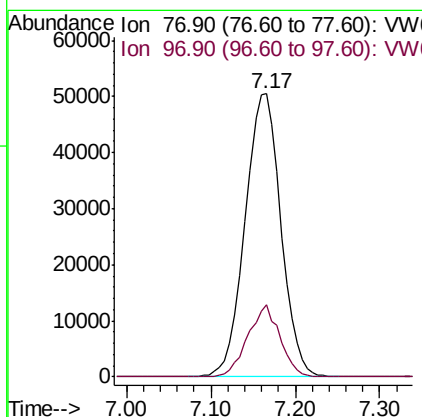
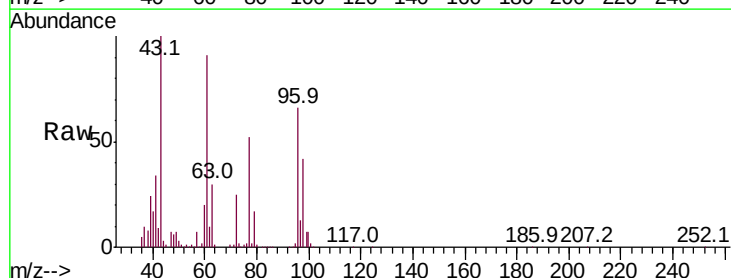
Acq: 19 Mar 2019 21:01

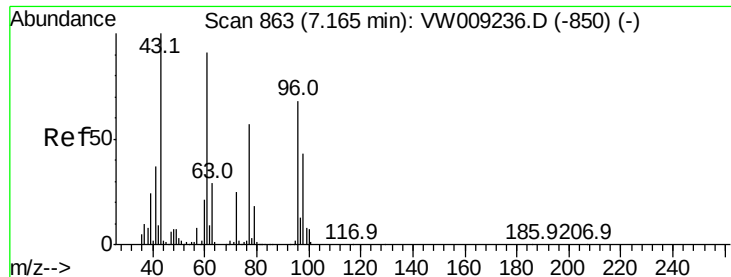
Tgt Ion: 77 Resp: 145765

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

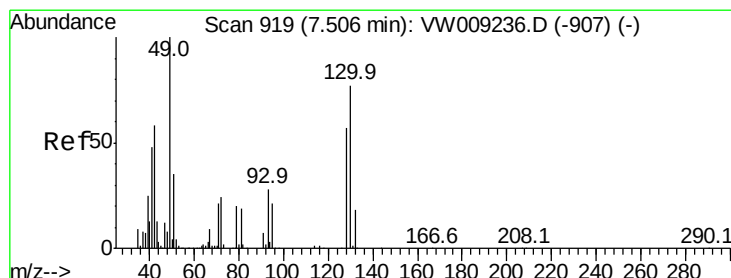
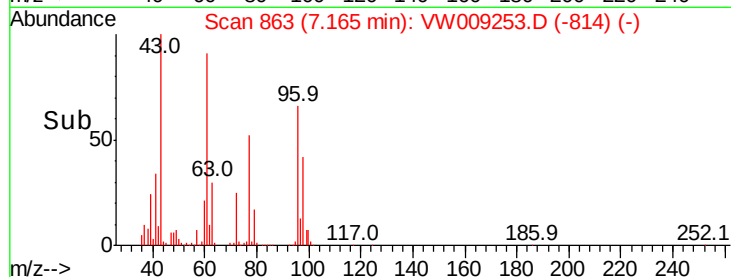
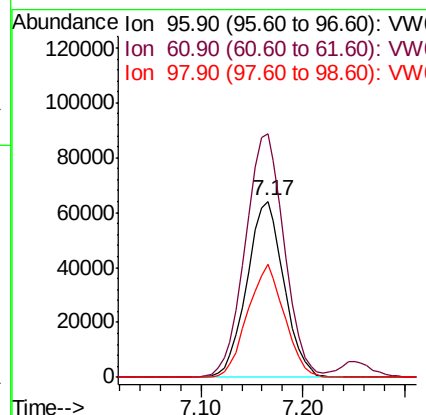
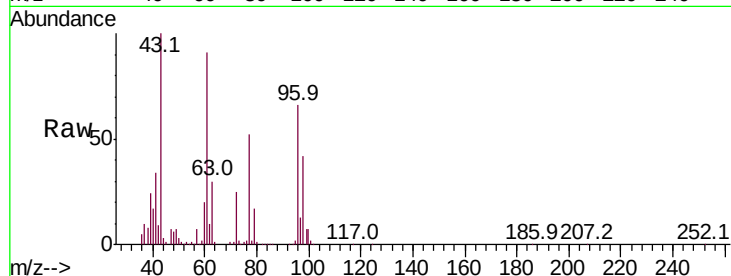
cis-1,2-Dichloroethene
 Concen: 50.929 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	289.8
98	63.7	0.0	130.8

Manual Integrations
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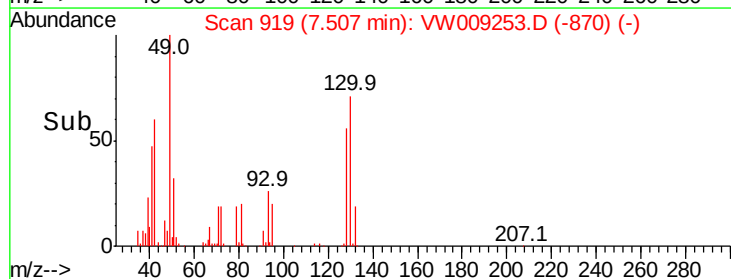
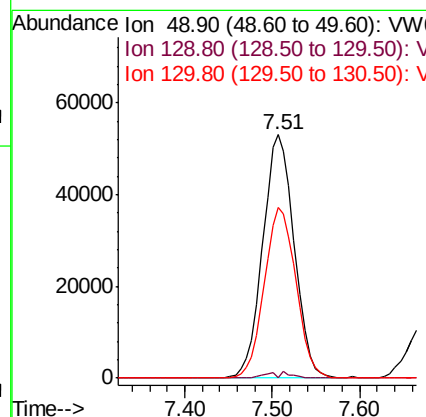
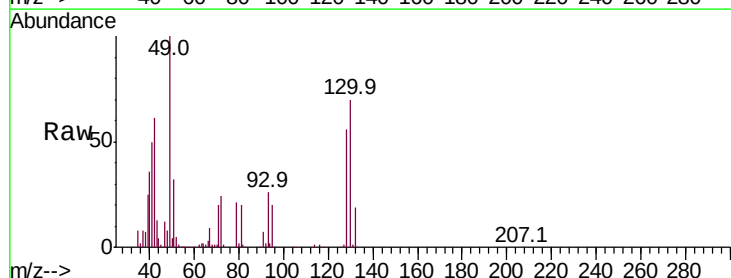
MMDadoda
 3/22/2019 3:53:10 AM

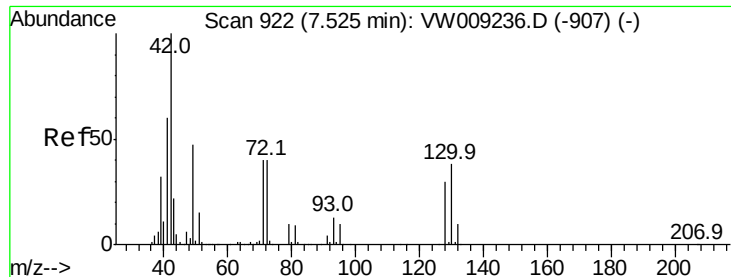


#28

Bromochloromethane
 Concen: 53.850 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	70.5	58.6	88.0





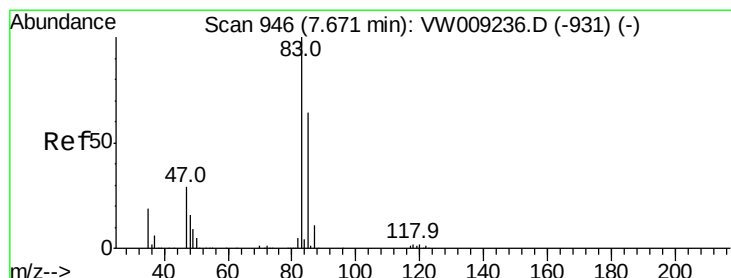
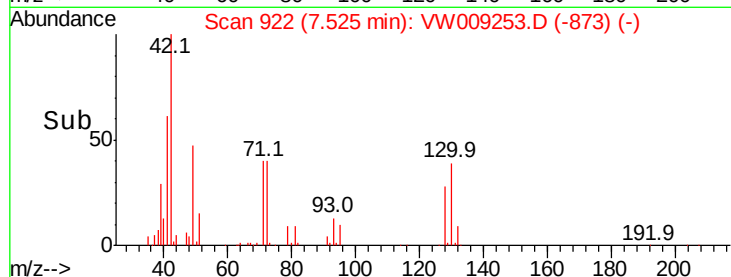
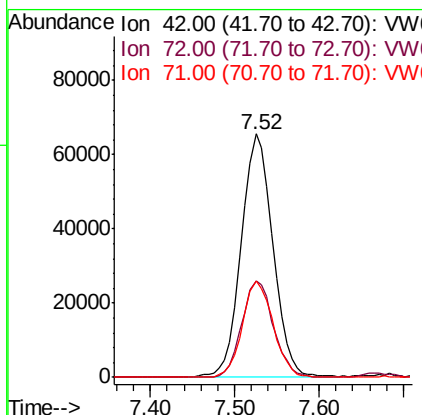
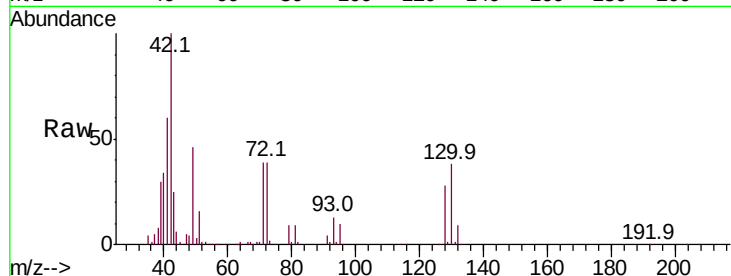
#29
Tetrahydrofuran
Concen: 279.344 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.4	48.6
71	38.4	30.1	45.1

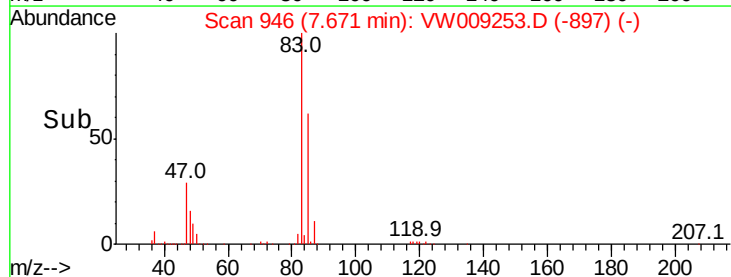
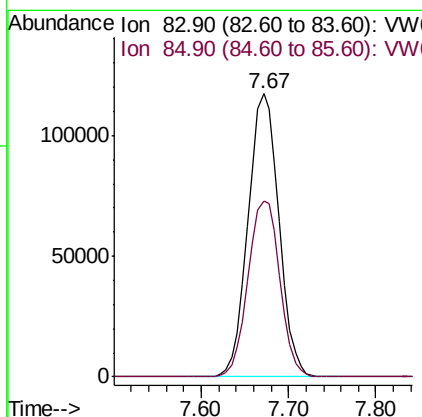
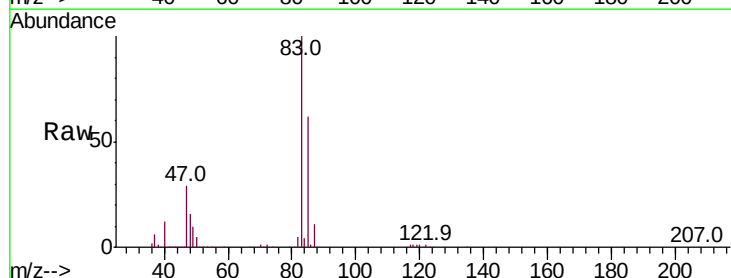
Manual Integrations
APPROVED

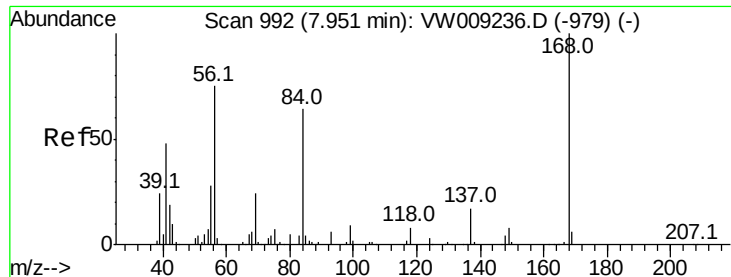
MMDadoda
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#30
Chloroform
Concen: 49.251 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.0	76.6





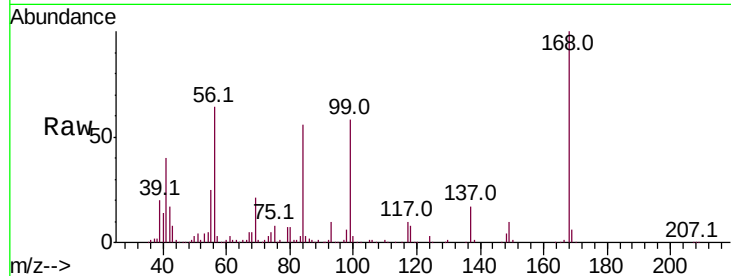
#31
Cyclohexane
Concen: 44.774 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

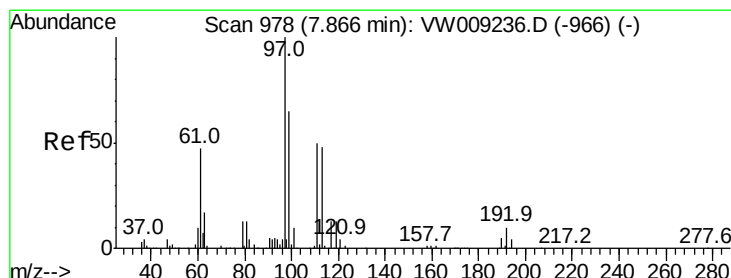
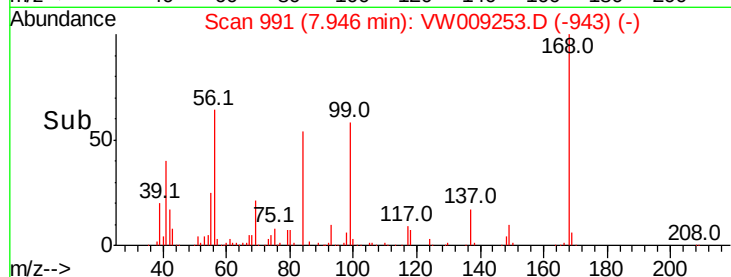
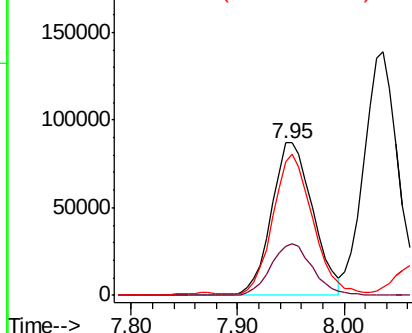
Tot Ion: 56 Resp: 233794
Ion Ratio Lower Upper
56 100
69 32.2 26.1 39.1
84 86.0 68.6 103.0

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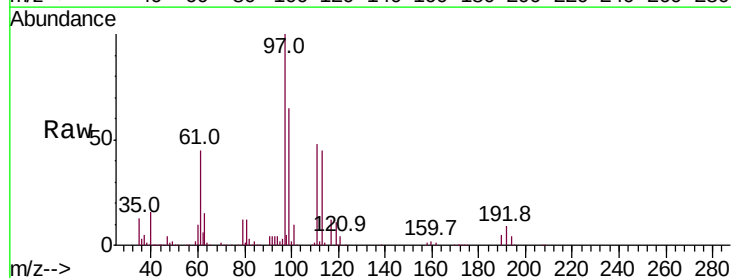


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

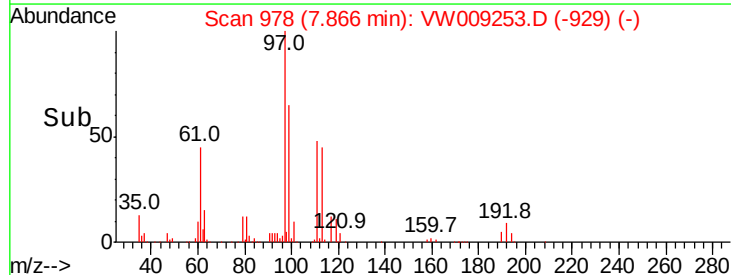
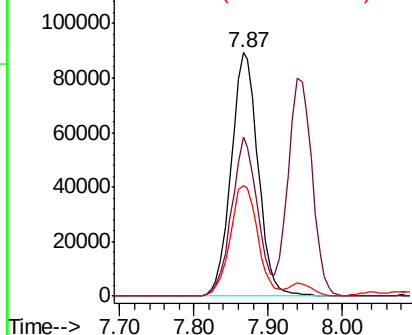


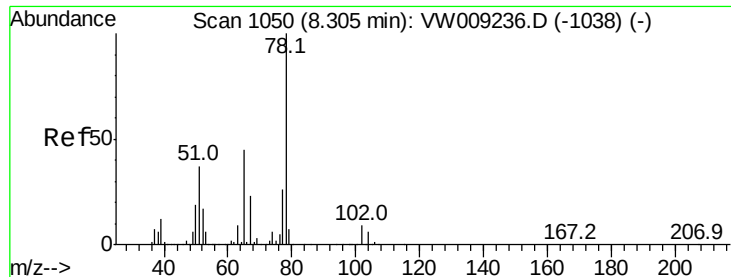
#32
1,1,1-Trichloroethane
Concen: 48.601 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 97 Resp: 226074
Ion Ratio Lower Upper
97 100
99 63.5 51.9 77.9
61 47.2 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





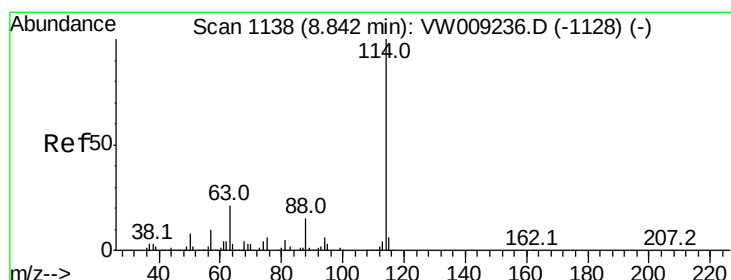
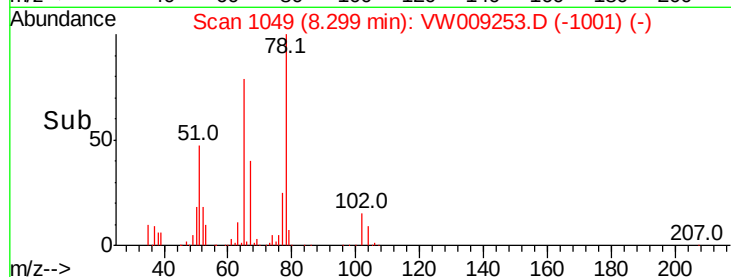
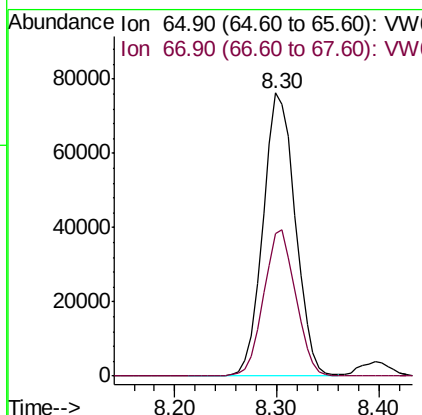
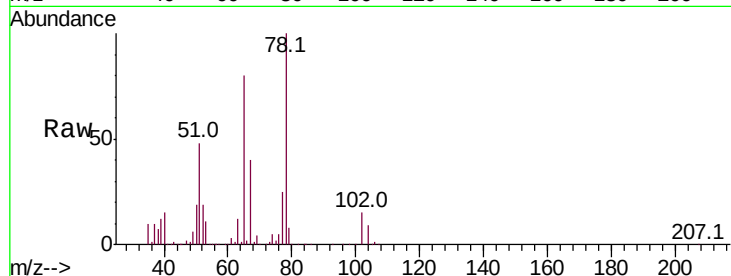
#33
 1,2-Dichloroethane-d4
 Concen: 52.613 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.4

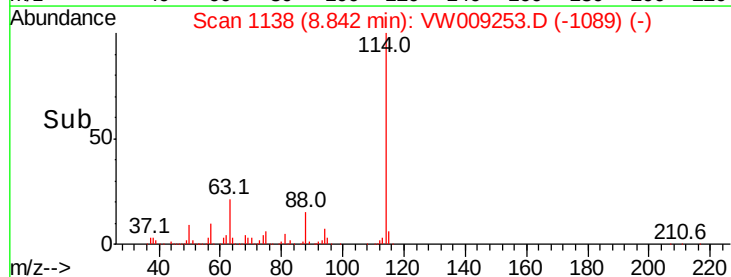
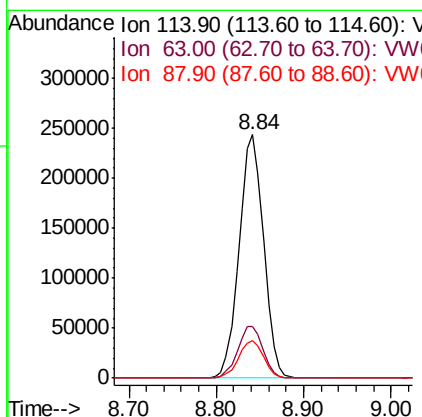
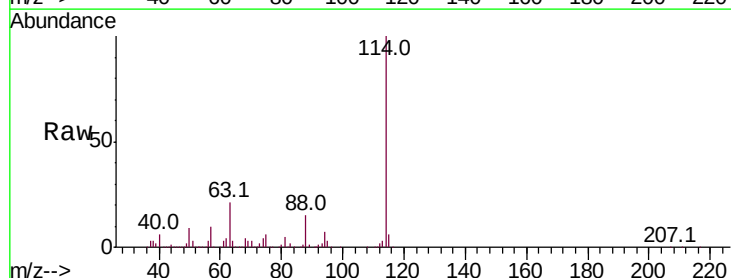
Manual Integrations
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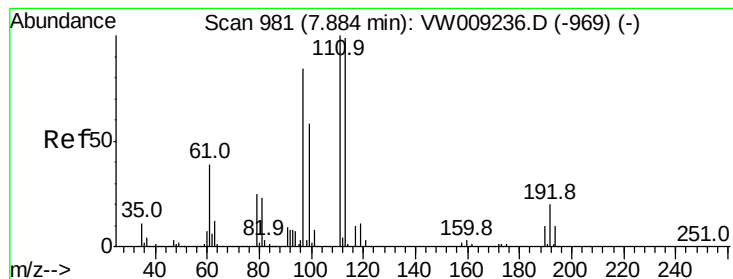
MMDadoda
 3/22/2019 3:53:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.2
88	15.3	0.0	30.8





#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

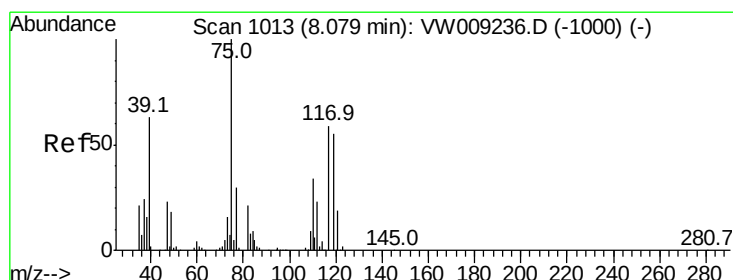
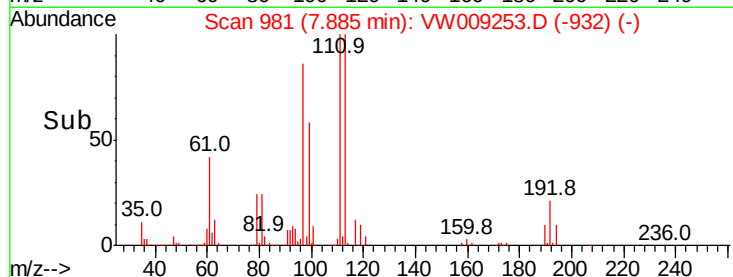
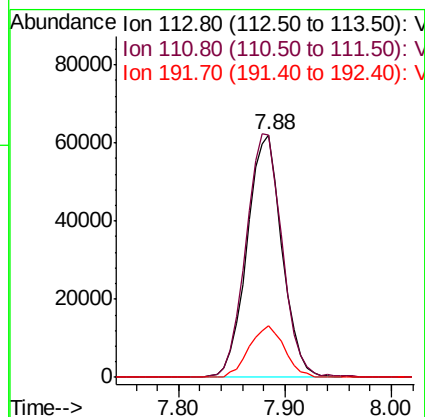
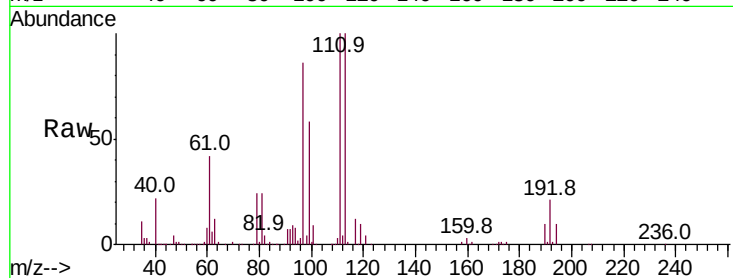
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	143393
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.6	124.0
192	21.4	16.4	24.6

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3/22/2019 3:53:10 AM



#36

1,1-Dichloropropene

Concen: 45.213 ug/l

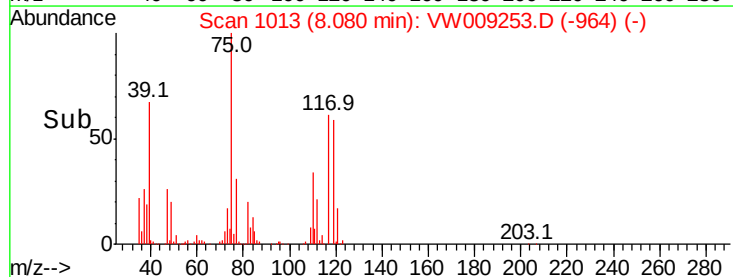
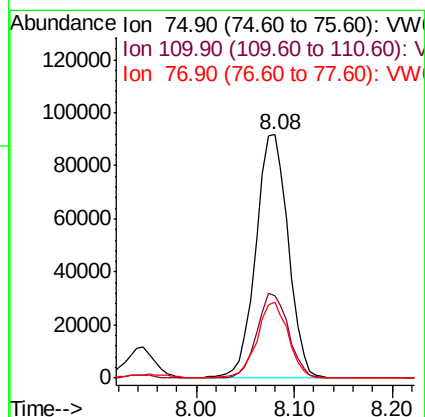
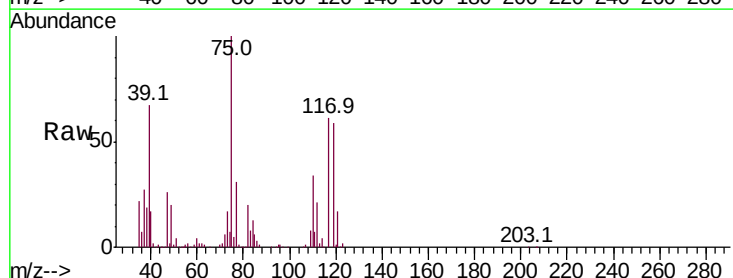
RT: 8.08 min Scan# 1013

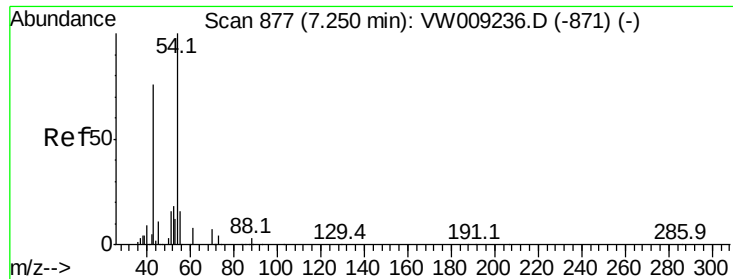
Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	75	Resp:	212819
Ion Ratio	Lower	Upper	
75	100		
110	33.9	16.8	50.4
77	30.2	24.6	36.8





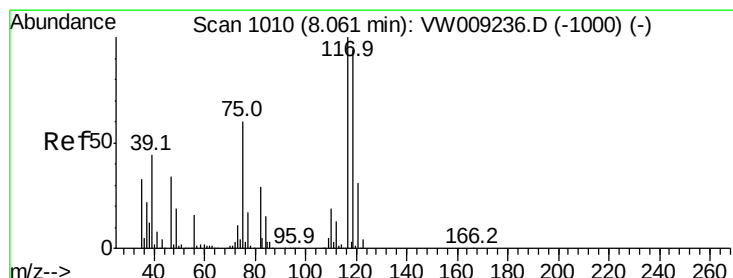
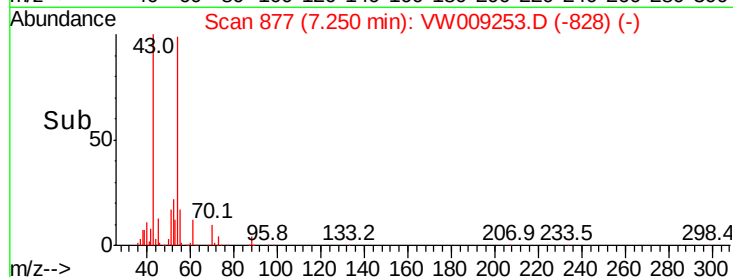
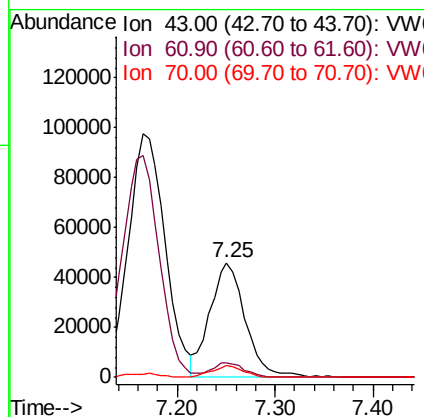
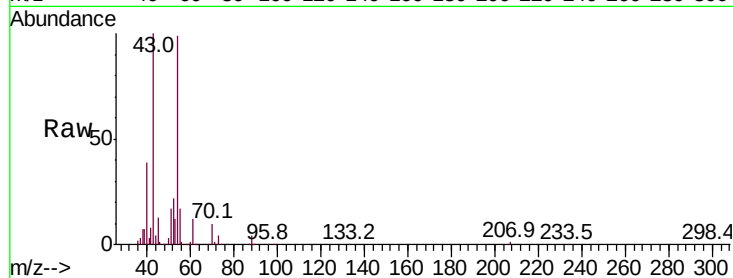
#37
Ethyl Acetate
Concen: 52.966 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.0	15.0
70	9.6	7.3	10.9

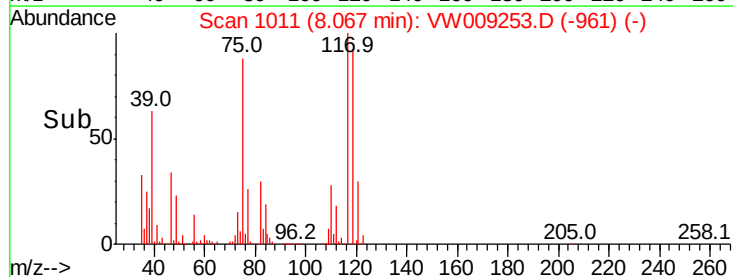
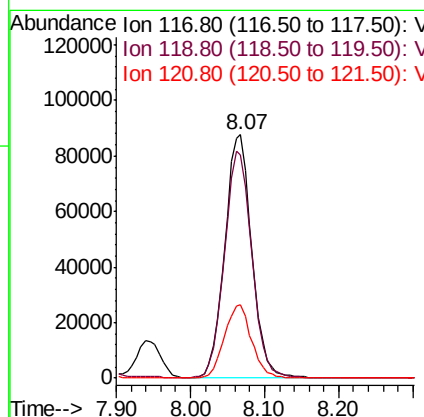
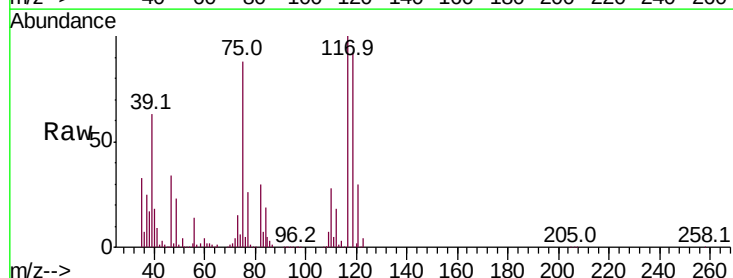
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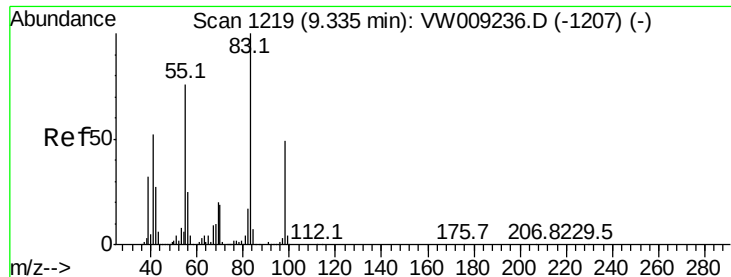
MMDadoda
3/22/2019 3:53:10 AM



#38
Carbon Tetrachloride
Concen: 44.553 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.4	113.0
121	29.9	24.9	37.3





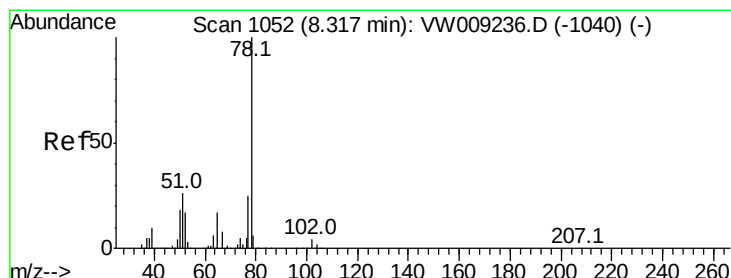
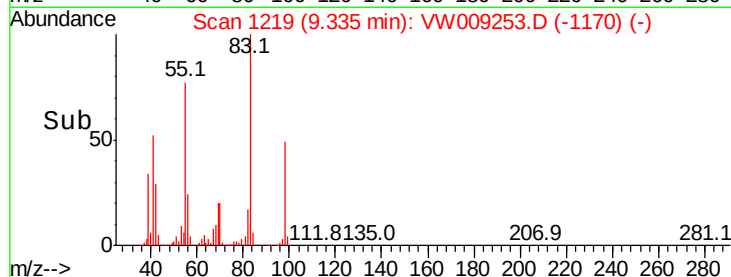
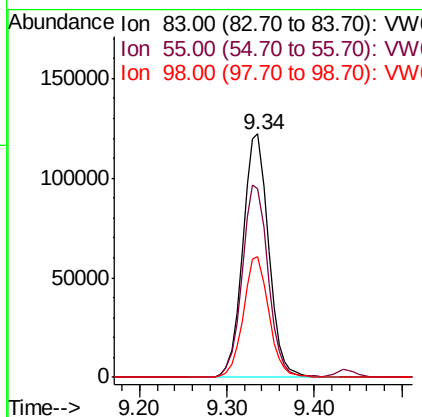
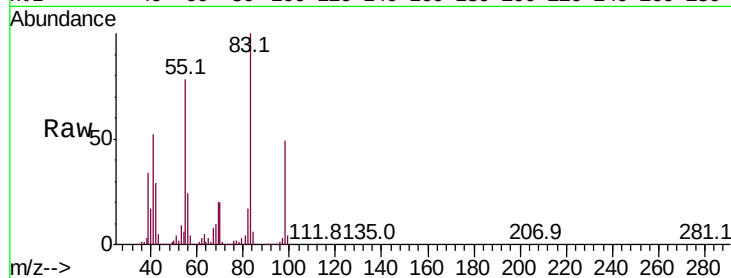
#39
Methylvlcyclohexane
Concen: 45.905 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.1	91.7
98	49.5	39.0	58.4

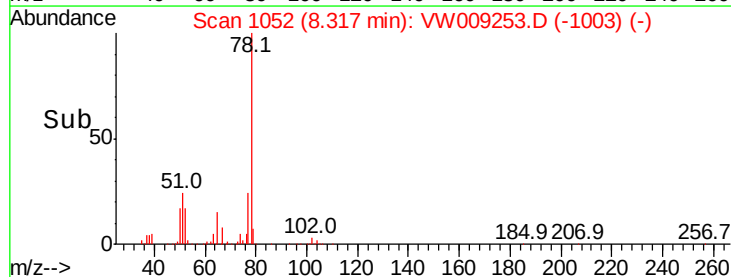
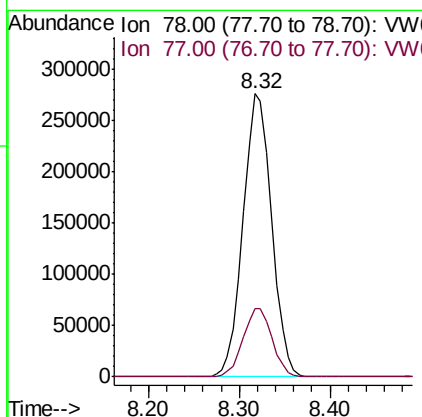
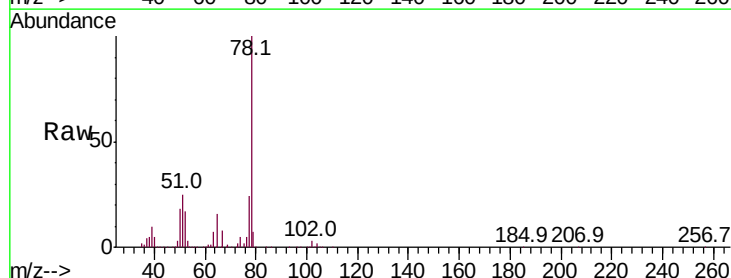
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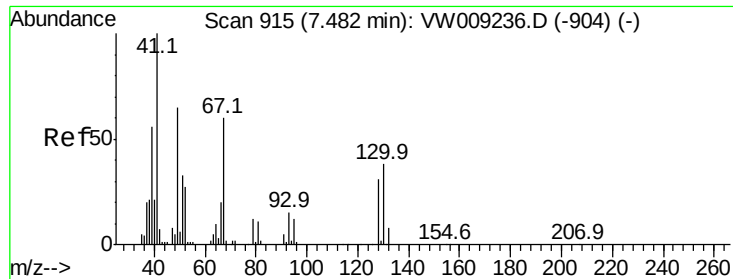
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#40
Benzene
Concen: 47.193 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.6





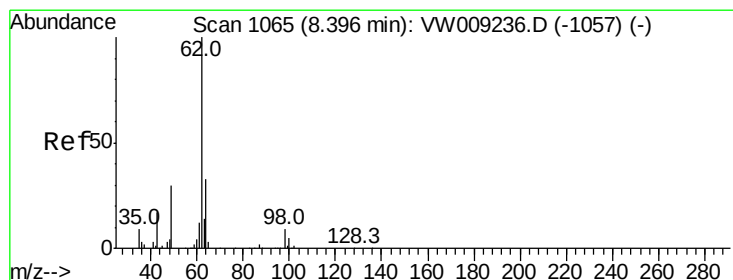
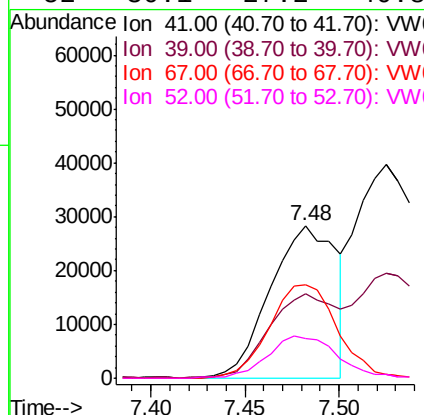
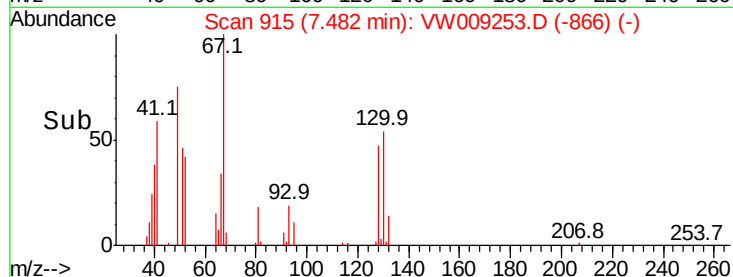
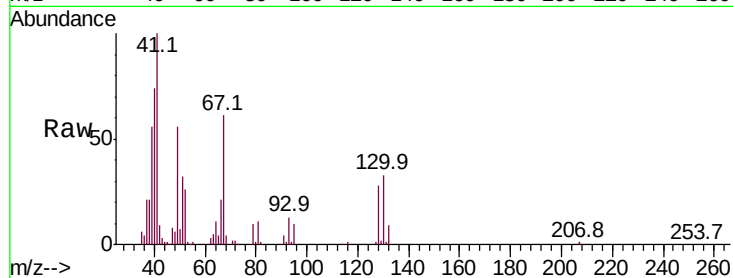
#41
Methacrylonitrile
Concen: 59.427 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	68795
Ion	Ratio	Lower	Upper
41	100		
39	56.9	52.5	78.7
67	63.4	56.6	84.8
52	30.1	27.2	40.8

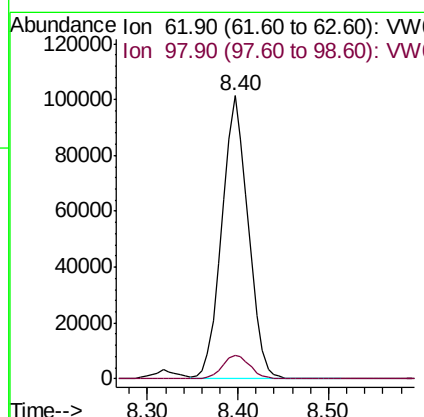
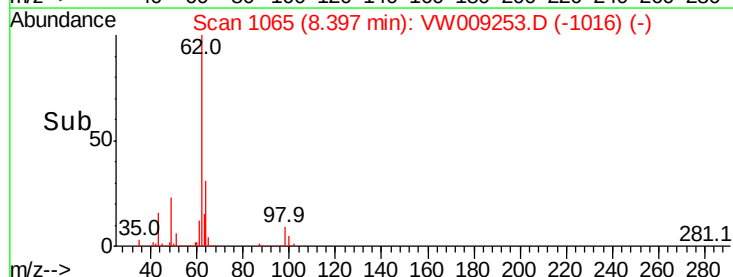
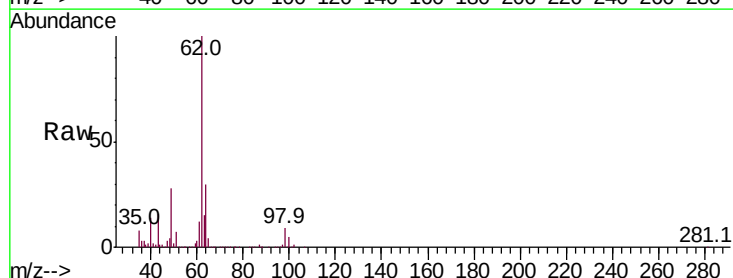
Manual Integrations
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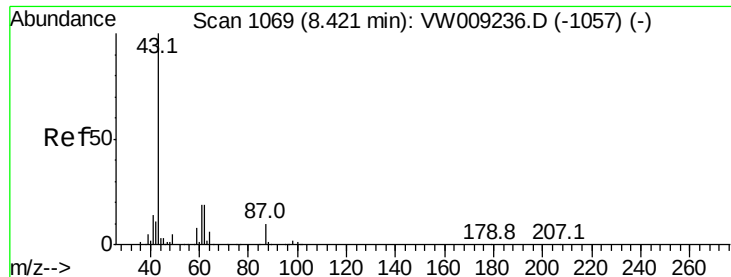
MMDadoda
3/22/2019 3:53:10 AM



#42
1,2-Dichloroethane
Concen: 49.166 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	62	Resp	205147
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 52.301 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

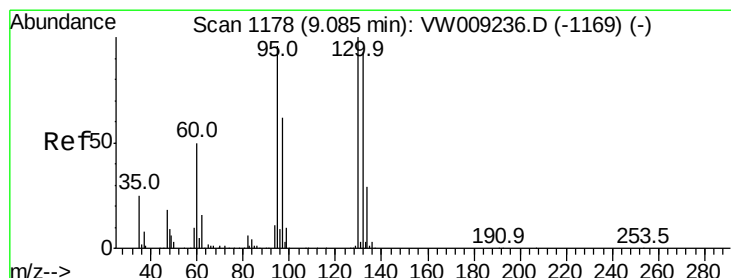
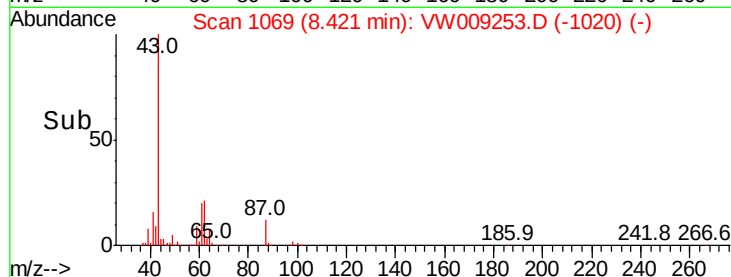
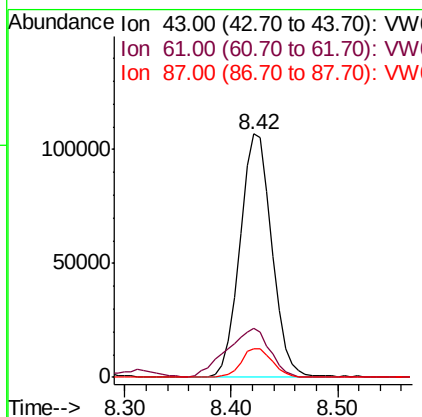
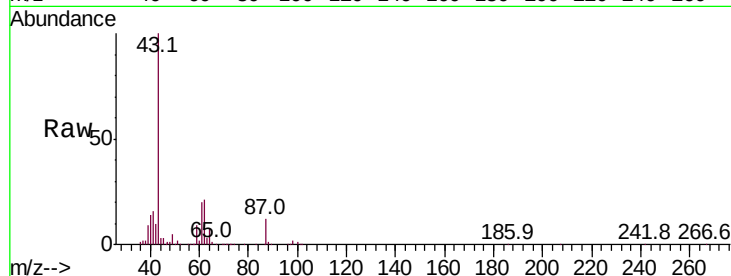
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	224945
Ion	Ratio	Lower	Upper
43	100		
61	27.2	22.2	33.2
87	11.7	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 44.708 ug/l

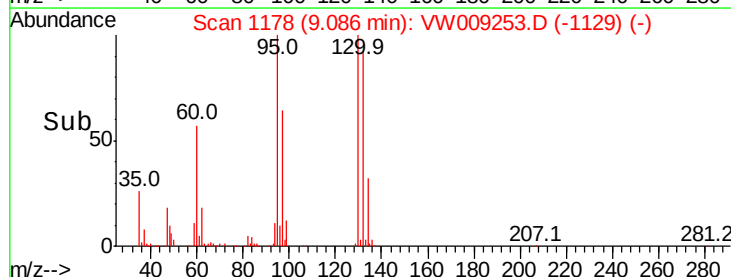
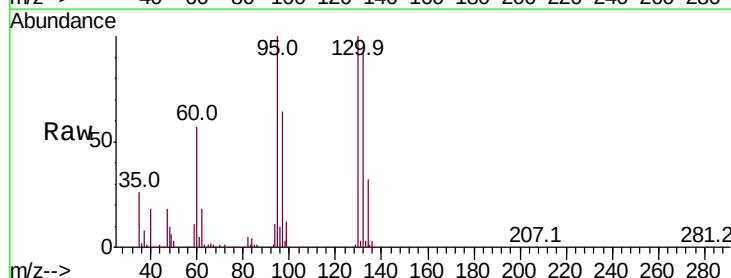
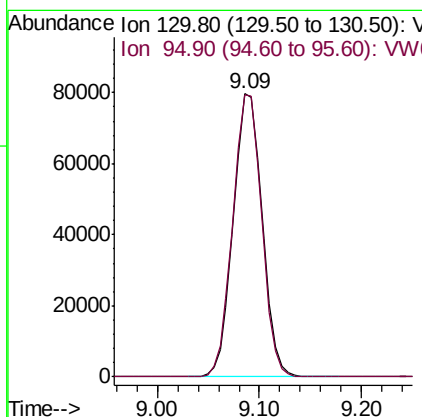
RT: 9.09 min Scan# 1178

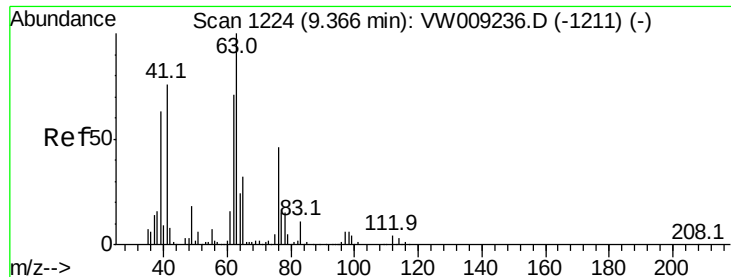
Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	130	Resp:	156331
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	192.6





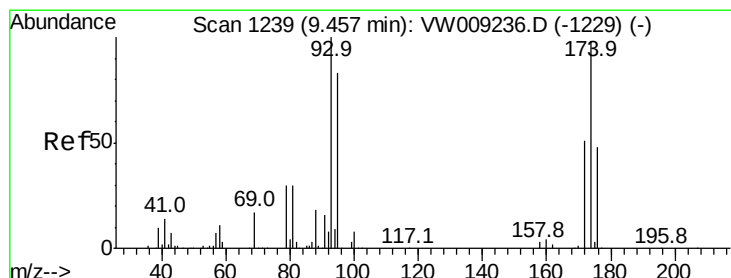
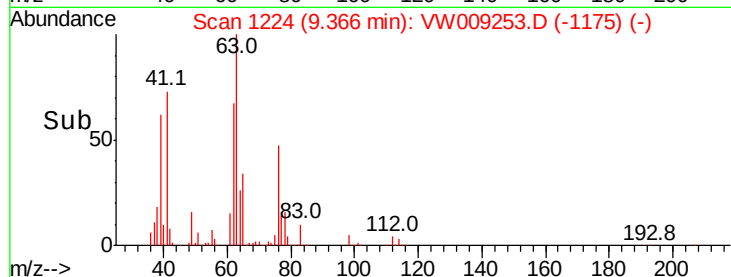
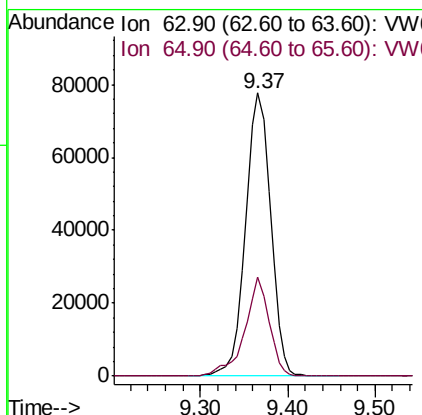
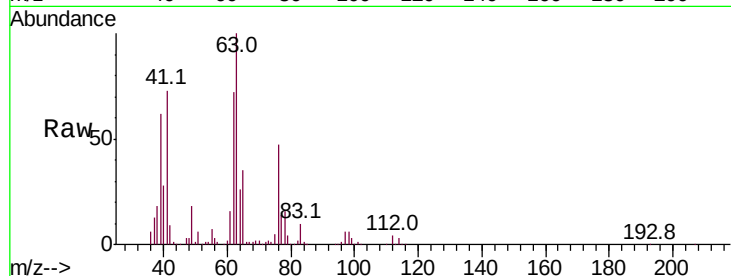
#45
 1,2-Dichloropropane
 Concen: 47.756 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 154961
 Ion Ratio Lower Upper
 63 100
 65 34.8 25.8 38.8

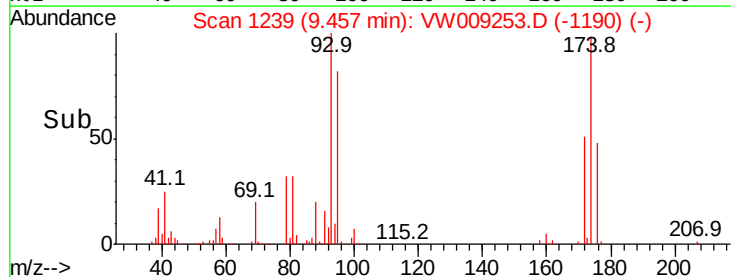
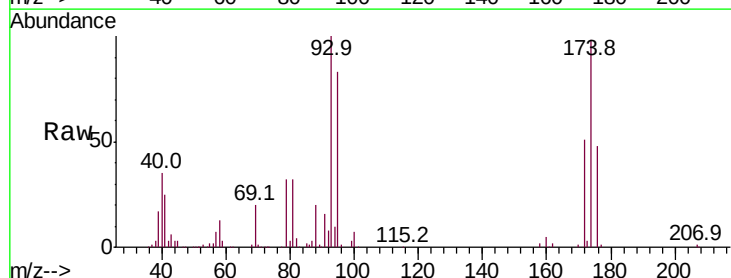
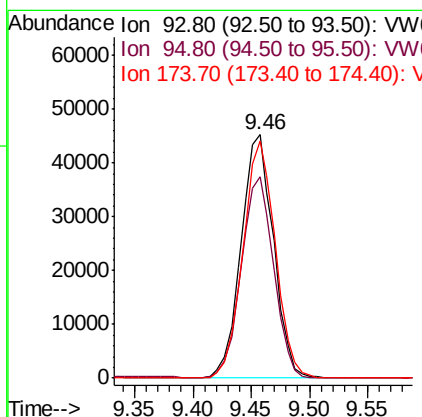
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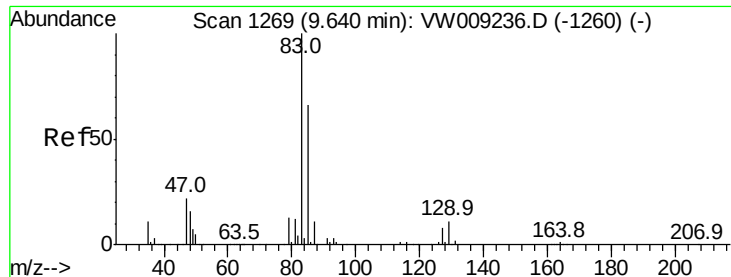
MMDadoda
 3/22/2019 3:53:10 AM



#46
 Dibromomethane
 Concen: 49.293 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion: 93 Resp: 87955
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.9 100.3
 174 97.1 80.8 121.2





#47

Bromodichloromethane

Concen: 48.674 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

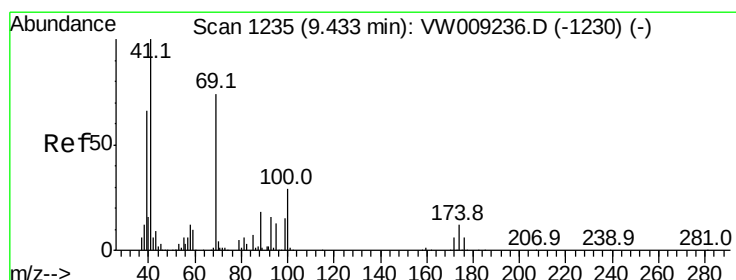
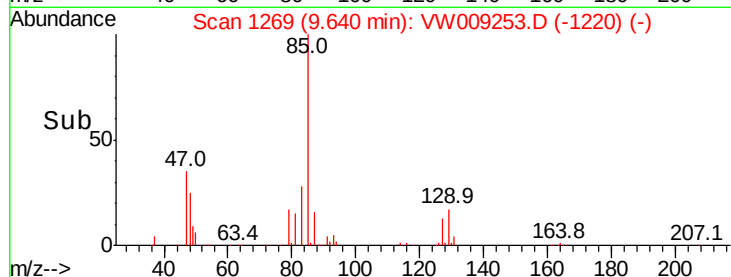
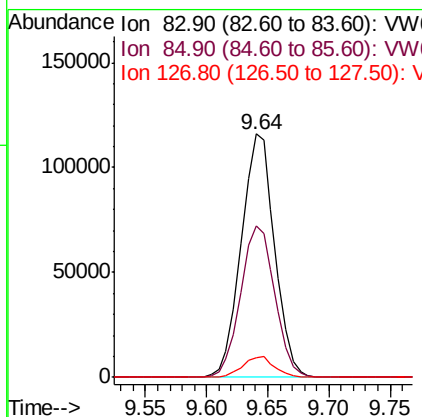
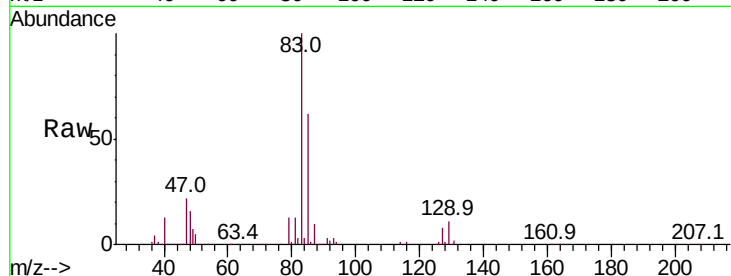
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	219473
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0
127	8.1	6.5	9.7

Manual Integrations
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MMDadoda
3/22/2019 3:53:10 AM



#48

Methyl methacrylate

Concen: 53.318 ug/l

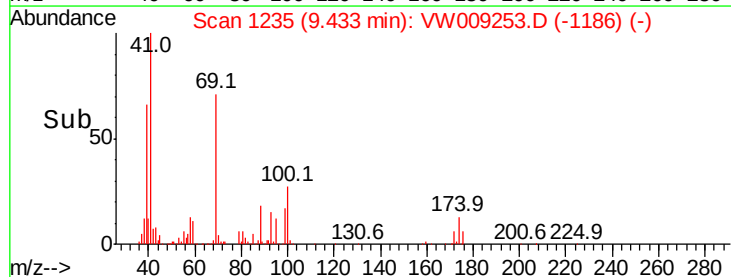
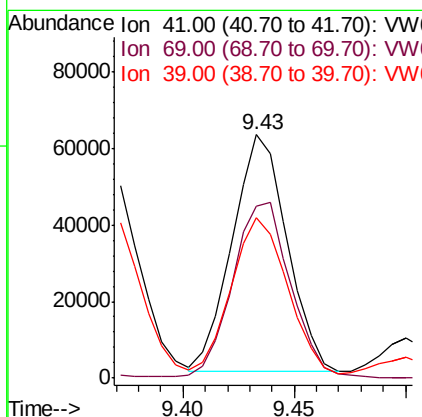
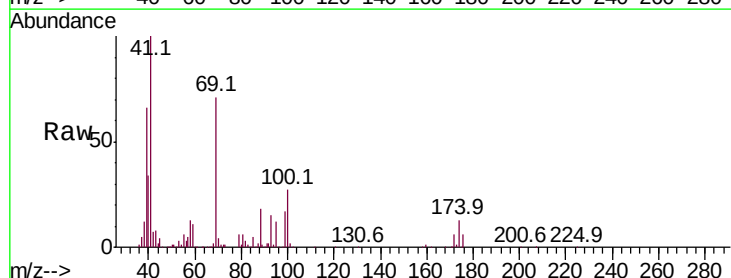
RT: 9.43 min Scan# 1235

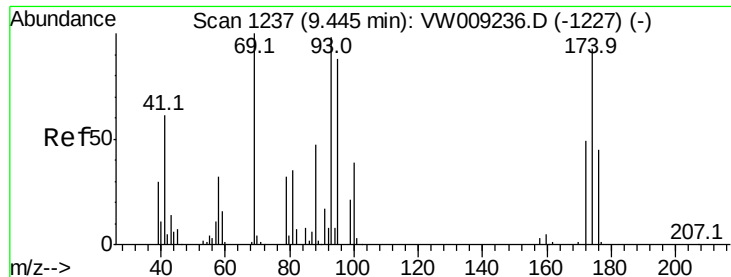
Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	41	Resp:	106170
Ion	Ratio	Lower	Upper
41	100		
69	79.3	63.0	94.6
39	70.6	57.2	85.8





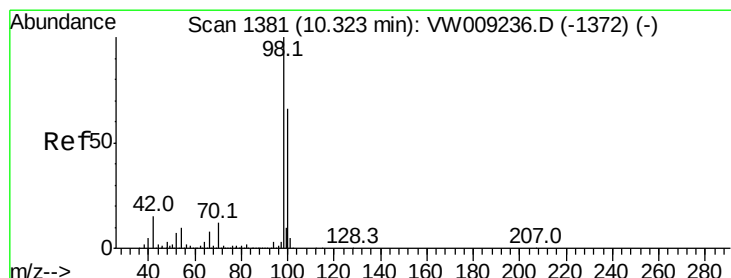
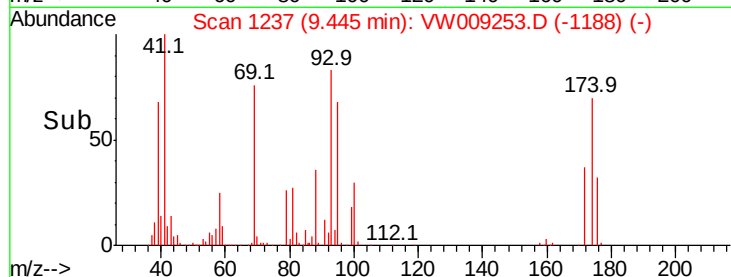
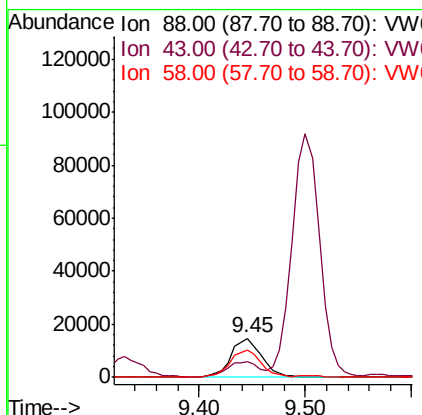
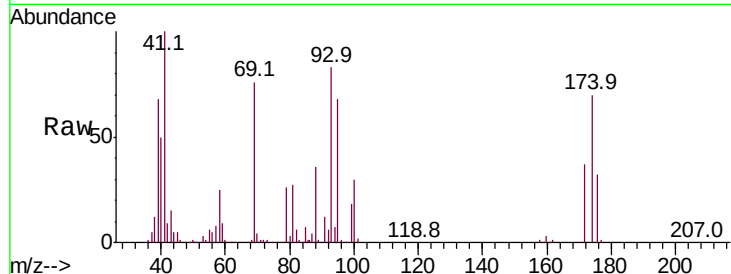
#49
1,4-Dioxane
Concen: 1083.816 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	29996
Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.7	44.5
58	70.4	58.1	87.1

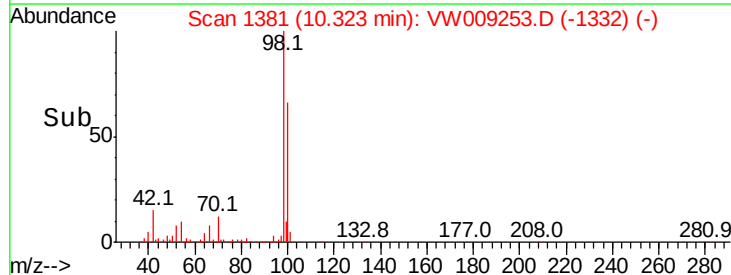
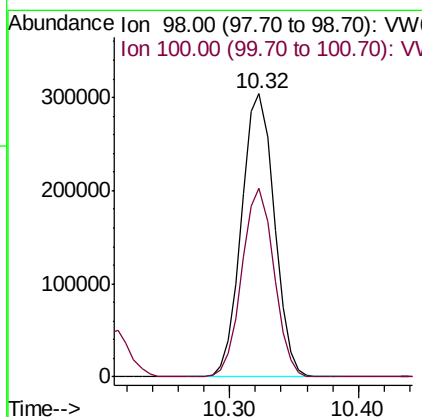
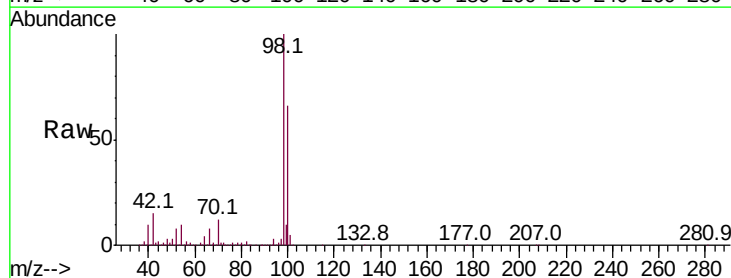
Manual Integrations
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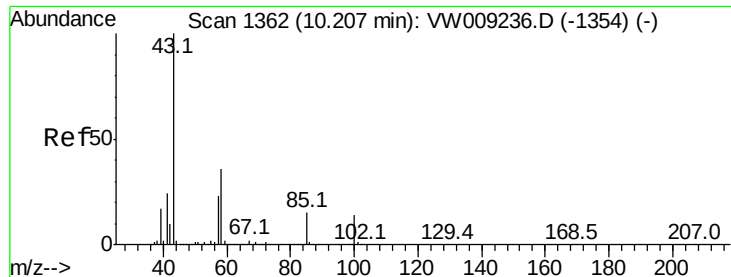
MMDadoda
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#50
Toluene-d8
Concen: 49.168 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	98	Resp	536148
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 267.573 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 599762

Ion Ratio Lower Upper

43 100

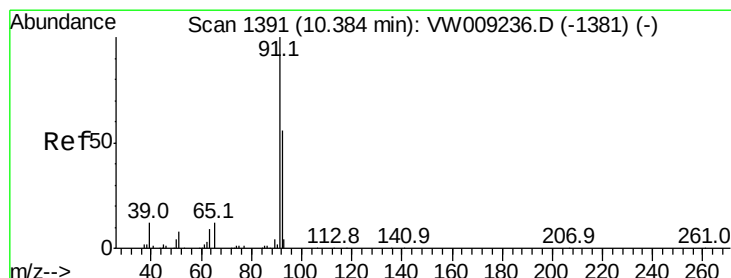
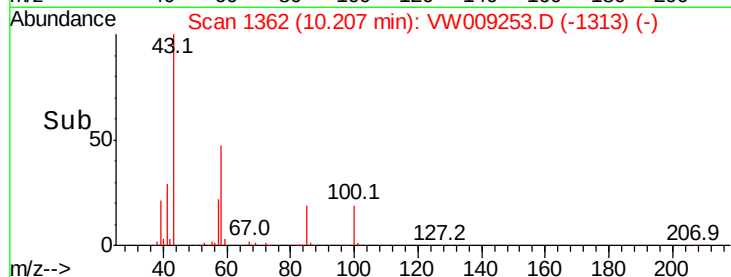
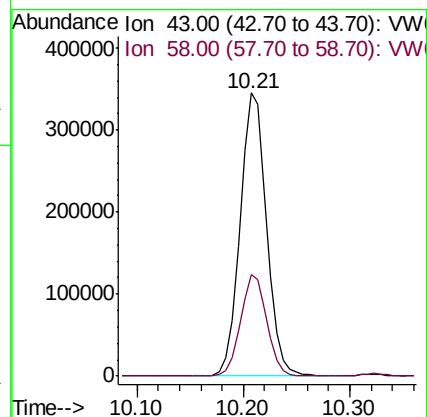
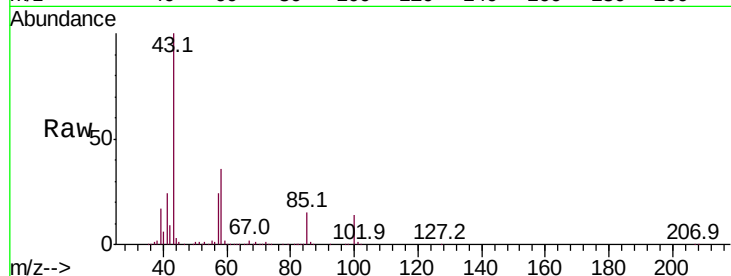
58 35.5 28.6 42.8

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#52

Toluene

Concen: 47.218 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009253.D

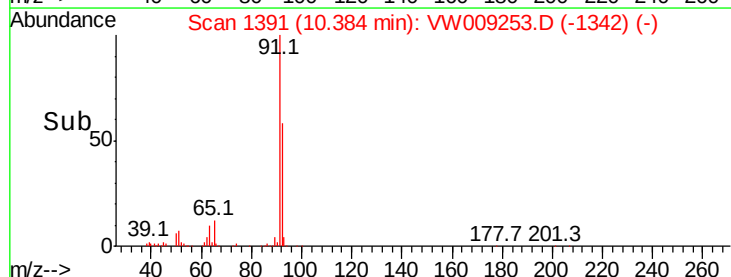
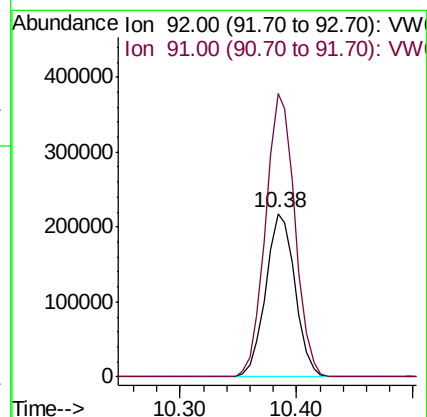
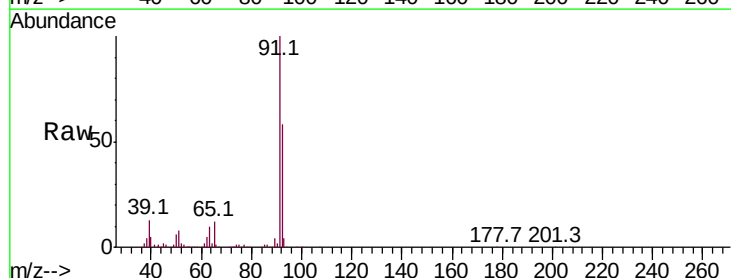
Acq: 19 Mar 2019 21:01

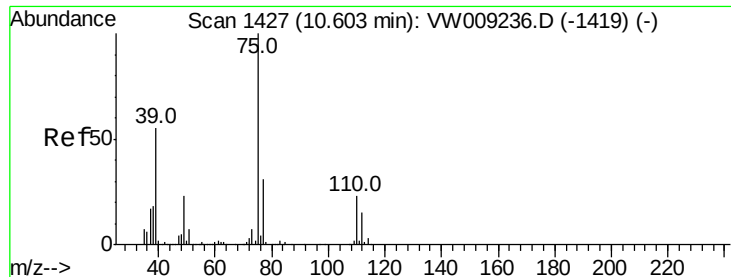
Tgt Ion: 92 Resp: 381893

Ion Ratio Lower Upper

92 100

91 173.6 140.1 210.1





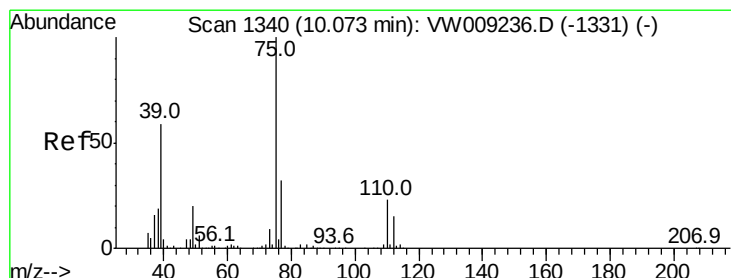
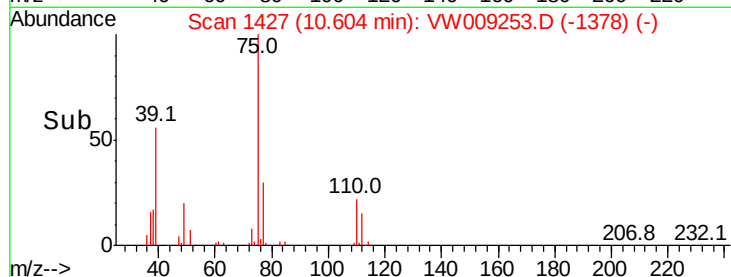
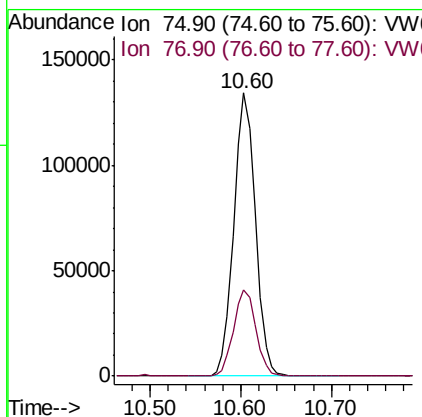
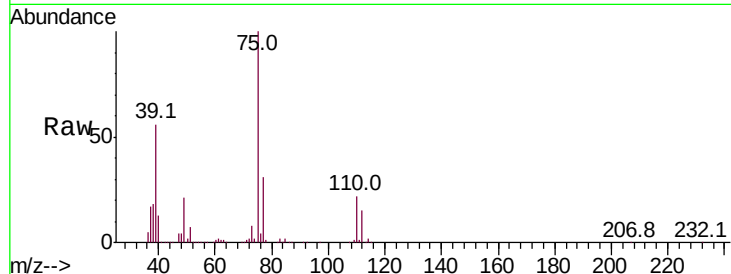
#53
t-1,3-Dichloropropene
Concen: 50.575 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 222376
Ion Ratio Lower Upper
75 100
77 30.3 24.8 37.2

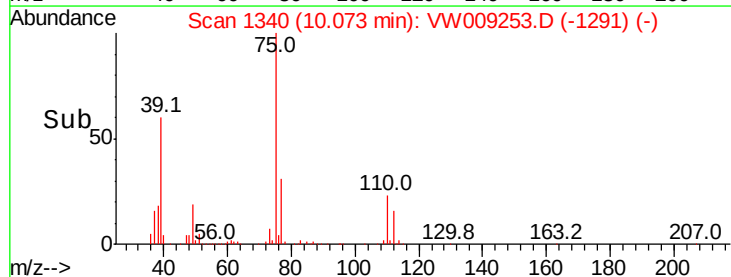
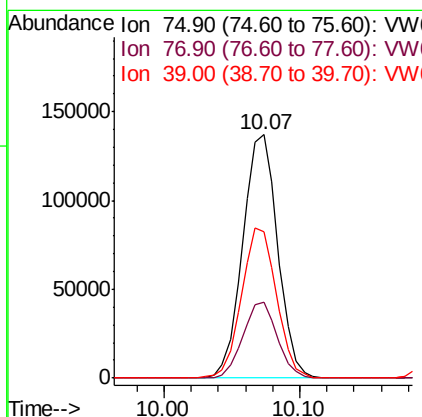
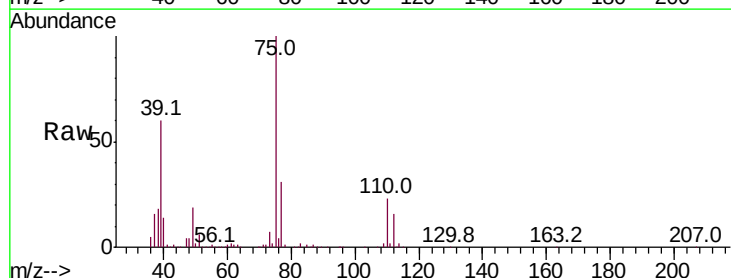
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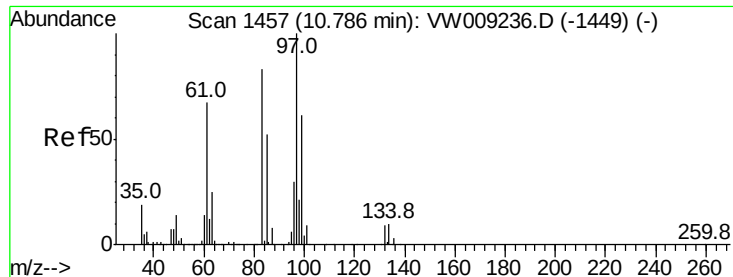
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.754 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 75 Resp: 246117
Ion Ratio Lower Upper
75 100
77 31.3 25.9 38.9
39 60.2 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 49.199 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

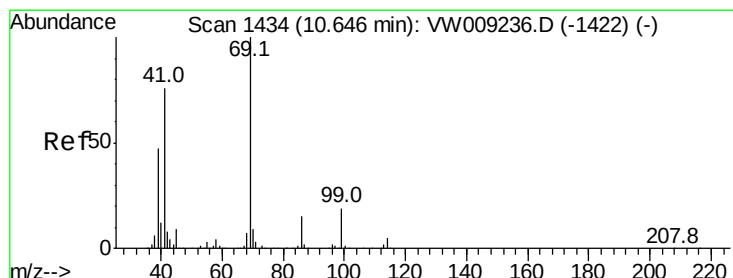
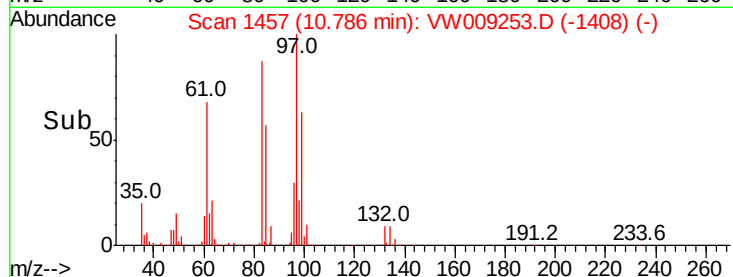
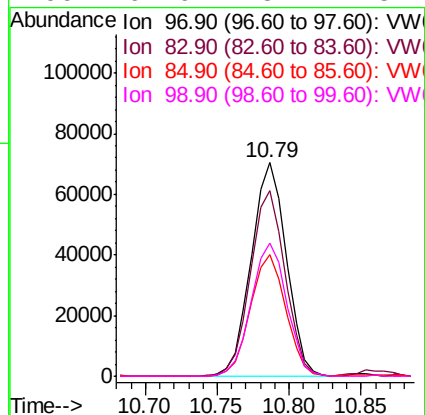
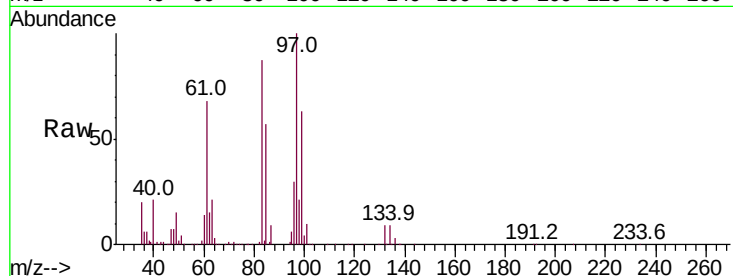
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	118872
Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.3	99.5
85	56.9	41.4	62.2
99	62.6	48.7	73.1

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#56

Ethyl methacrylate

Concen: 55.041 ug/l

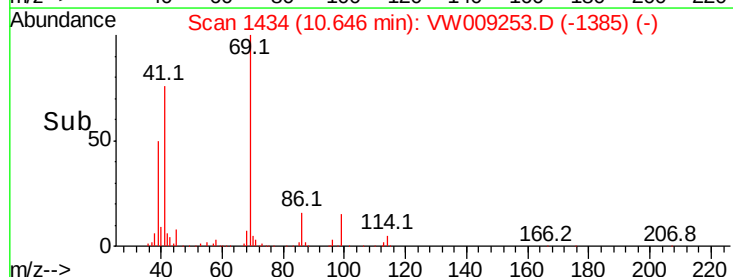
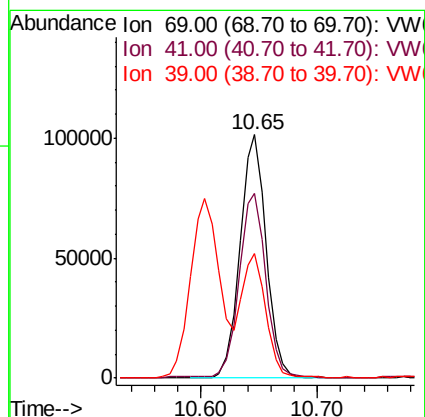
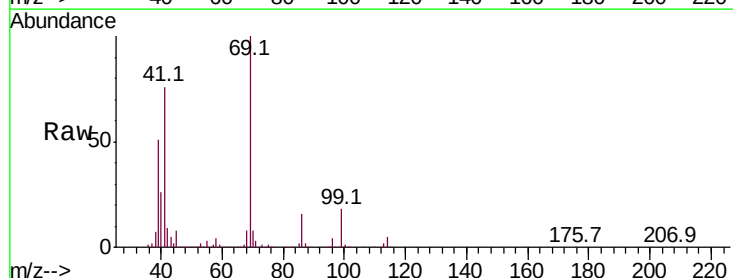
RT: 10.65 min Scan# 1434

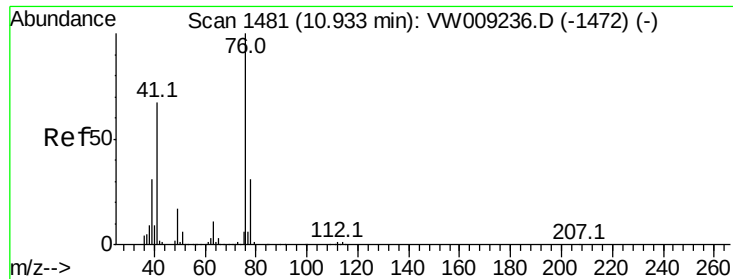
Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	69	Resp:	158354
Ion	Ratio	Lower	Upper
69	100		
41	77.2	59.3	88.9
39	46.4	36.2	54.2





#57

1,3-Dichloropropane

Concen: 49.915 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 208009

Ion Ratio Lower Upper

76 100

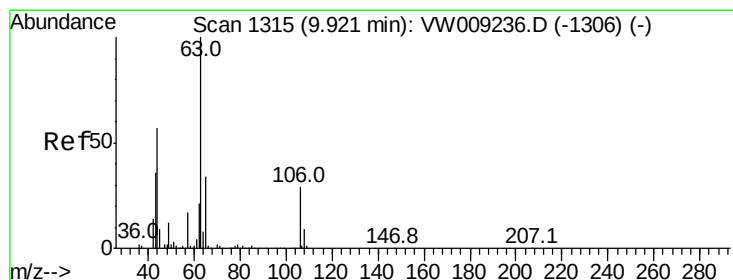
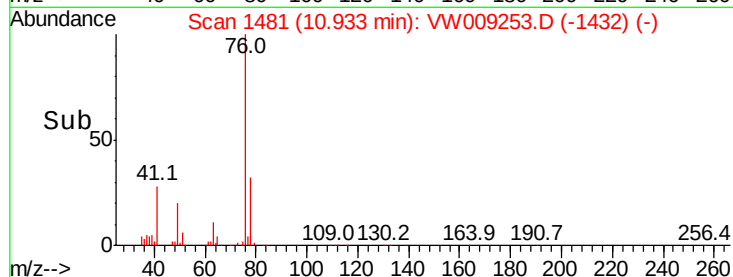
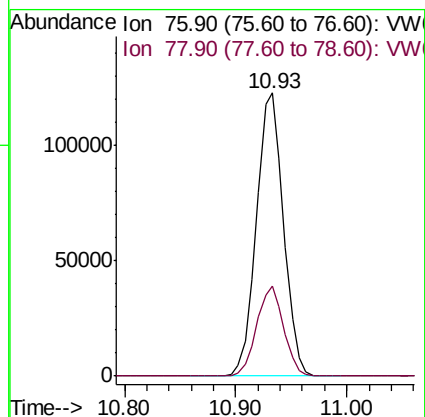
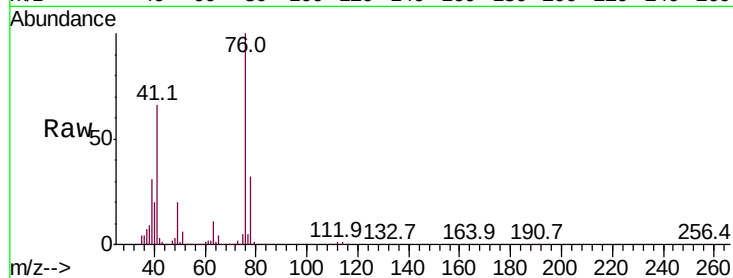
78 31.8 25.8 38.6

Manual Integrations

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3/22/2019 3:53:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 510.824 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009253.D

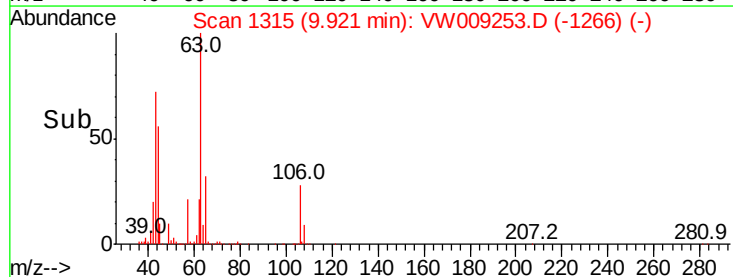
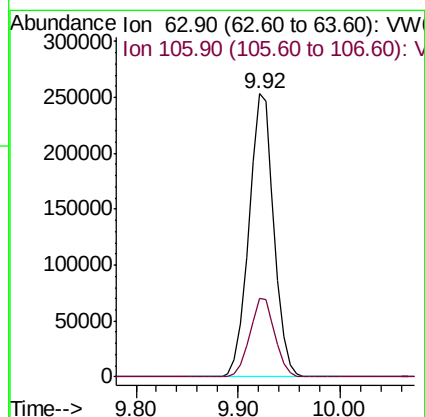
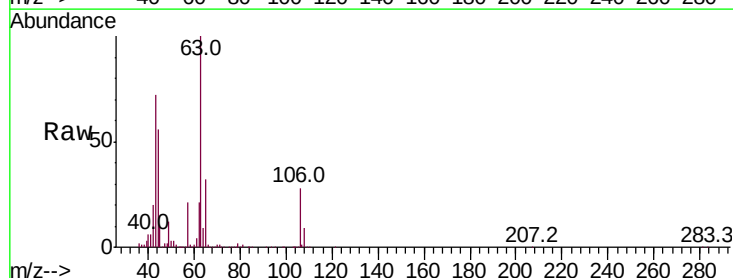
Acq: 19 Mar 2019 21:01

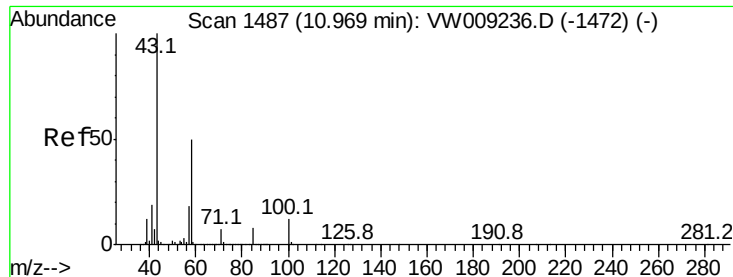
Tgt Ion: 63 Resp: 430018

Ion Ratio Lower Upper

63 100

106 27.9 22.9 34.3





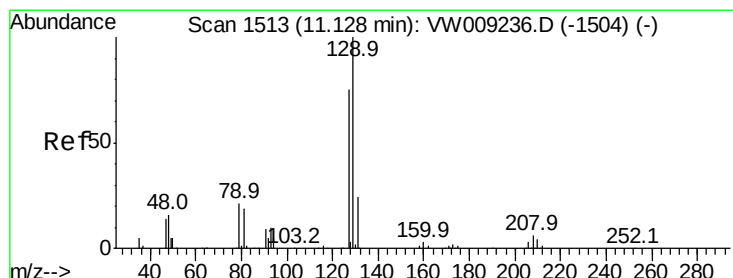
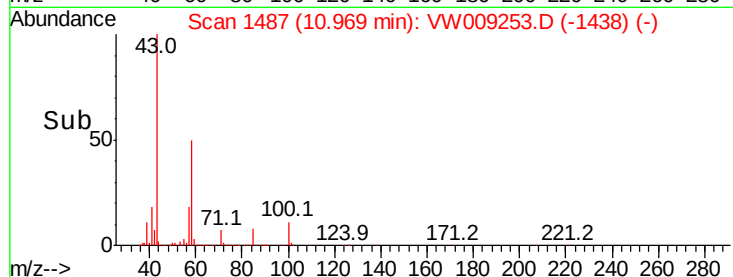
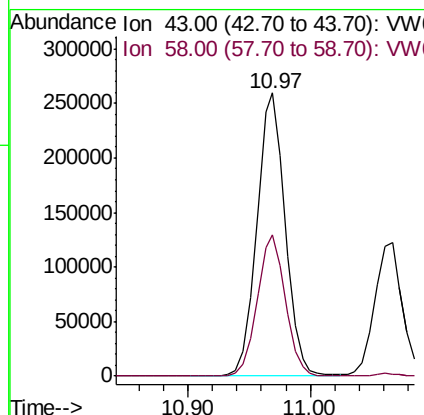
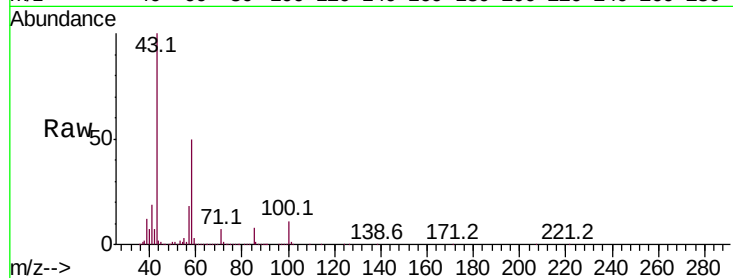
#59
2-Hexanone
Concen: 274.162 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.2	72.6

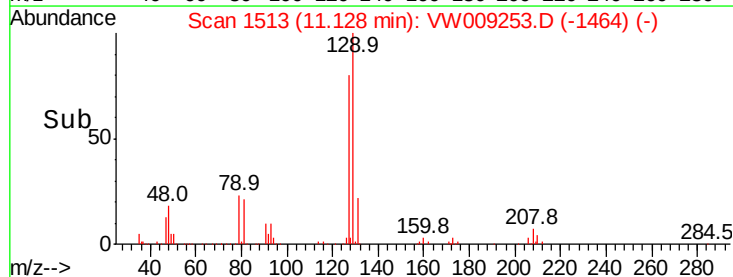
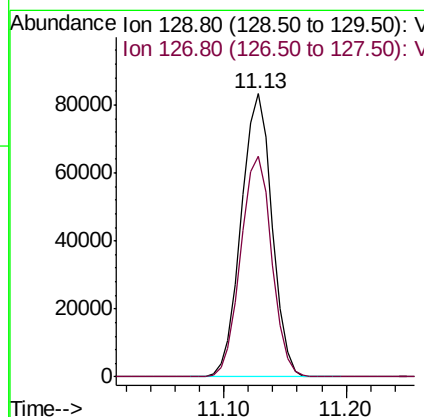
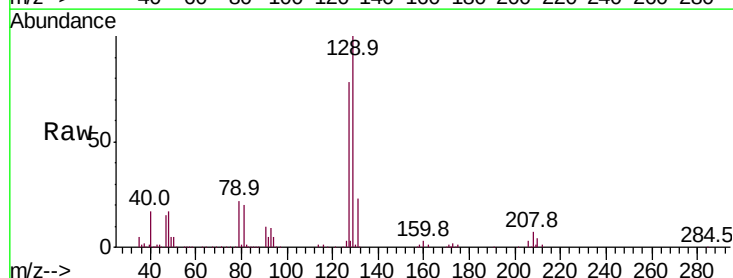
Manual Integrations
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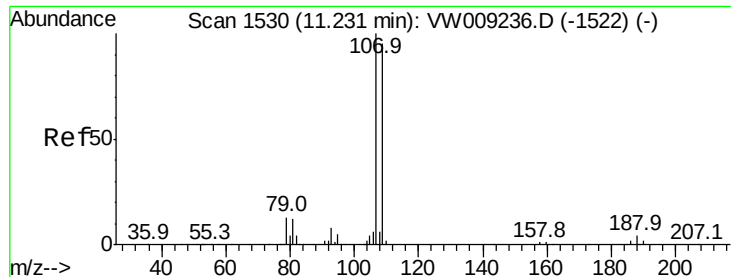
MMDadoda
3/22/2019 3:53:10 AM



#60
Dibromochloromethane
Concen: 48.932 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.1	114.5





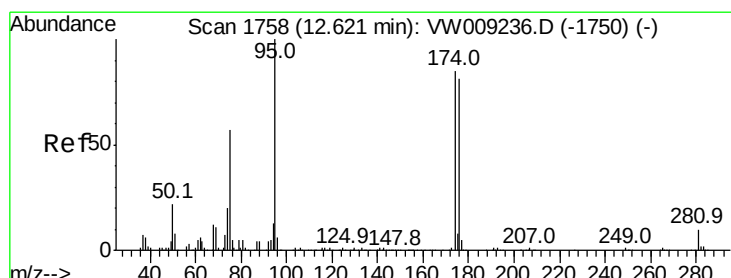
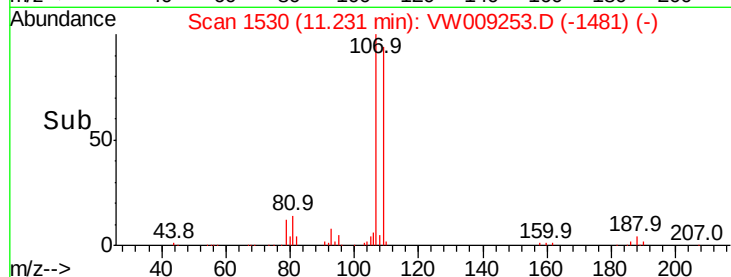
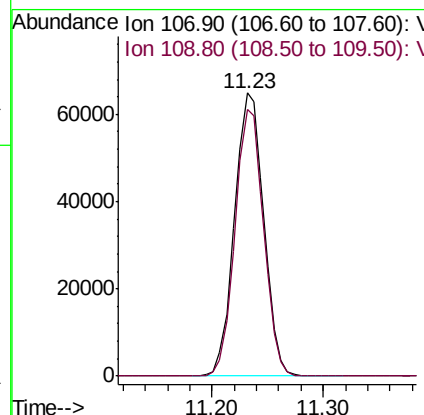
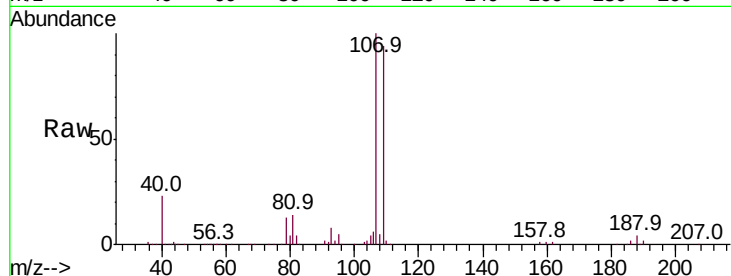
#61
 1,2-Dibromoethane
 Concen: 51.101 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	117594		
109	92.3	75.1	112.7	

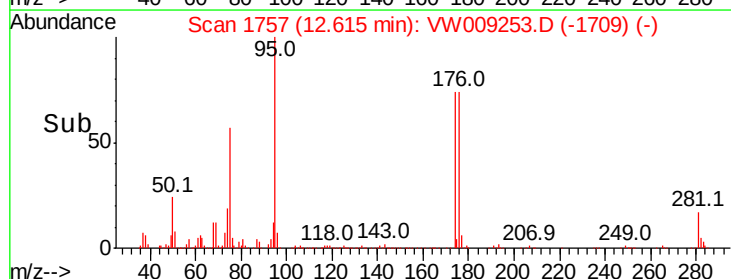
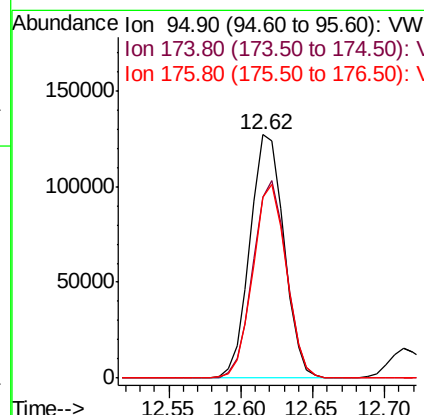
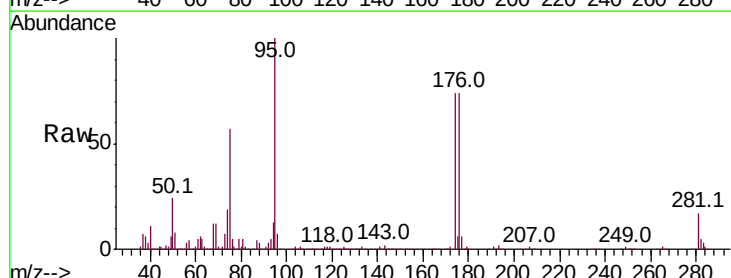
Manual Integrations
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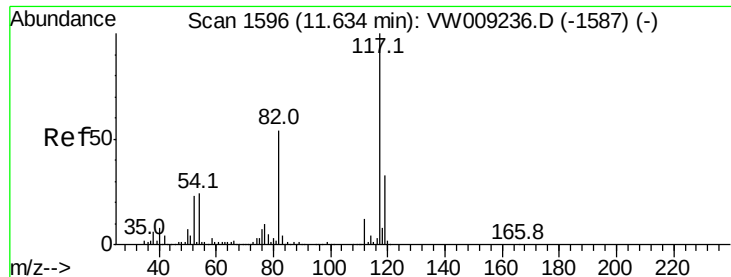
MMDadoda
 3/22/2019 3:53:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.583 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	206522		
174	80.1	0.0	168.4	
176	78.4	0.0	161.6	





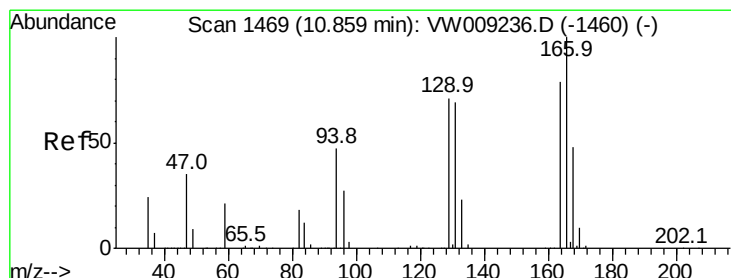
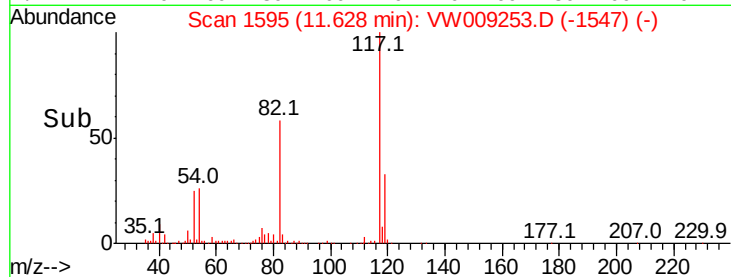
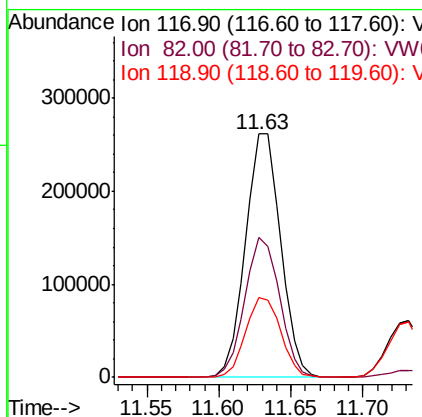
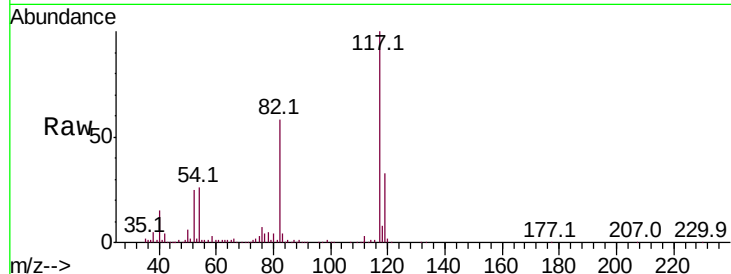
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.6	65.4
119	32.6	26.0	39.0

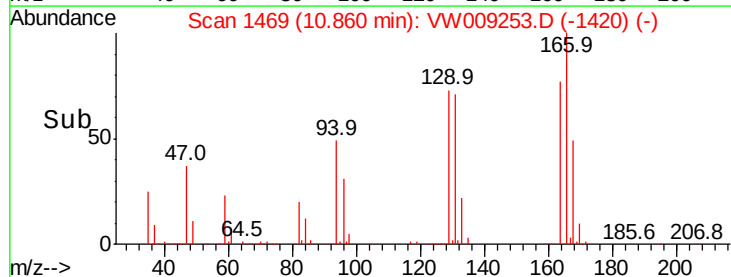
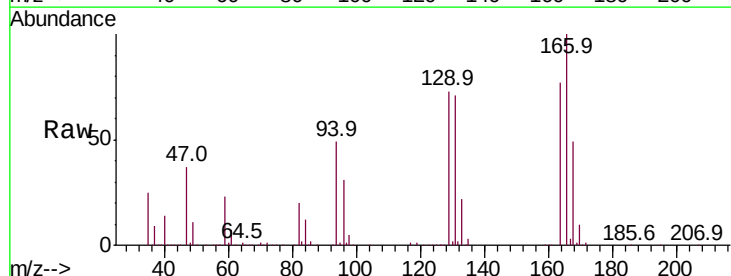
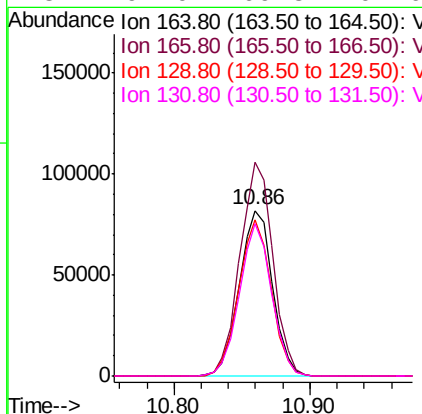
Manual Integrations
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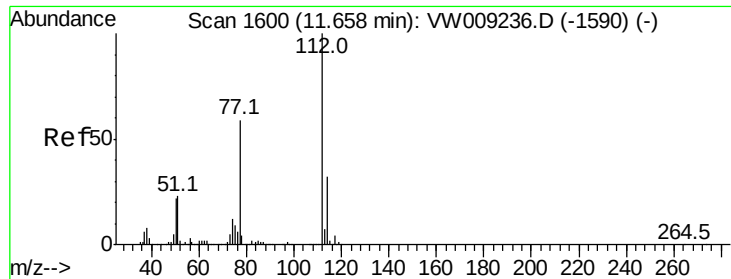
MMDadoda
3/22/2019 3:53:10 AM



#64
Tetrachloroethene
Concen: 46.089 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.9	151.3
129	94.3	72.0	108.0
131	92.0	69.8	104.6





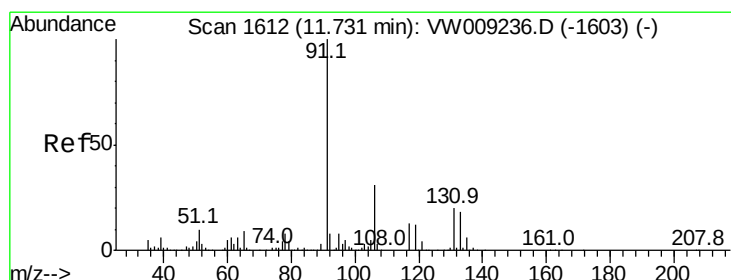
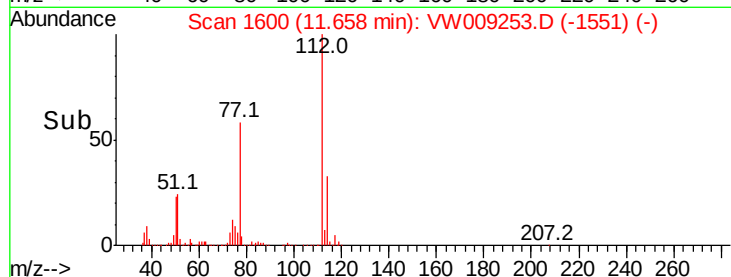
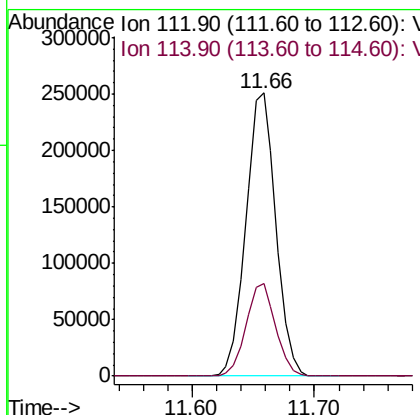
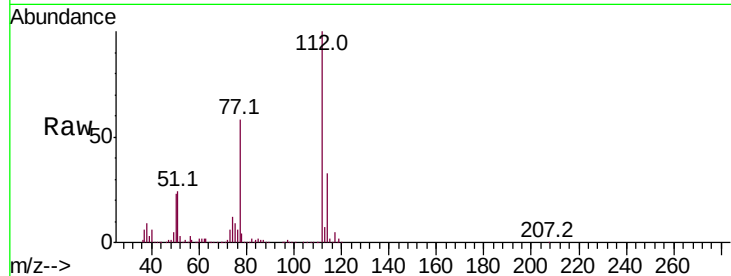
#65
Chlorobenzene
Concen: 46.541 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.6	38.4

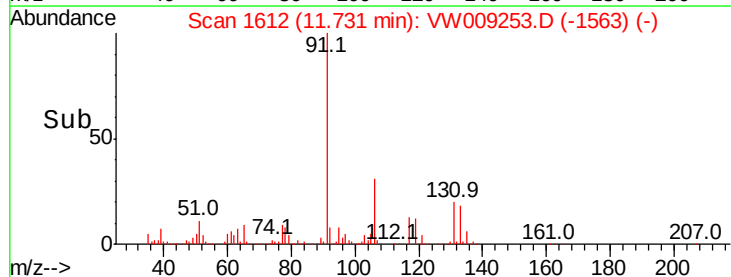
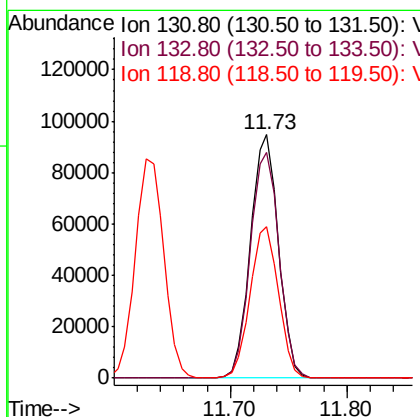
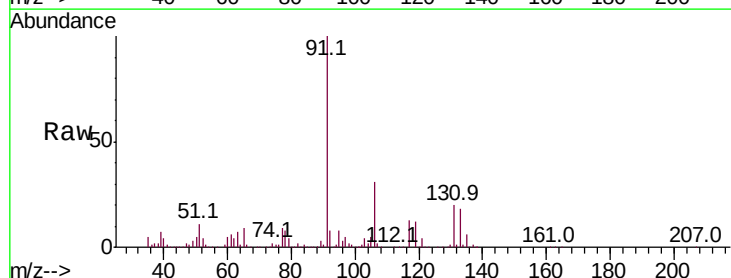
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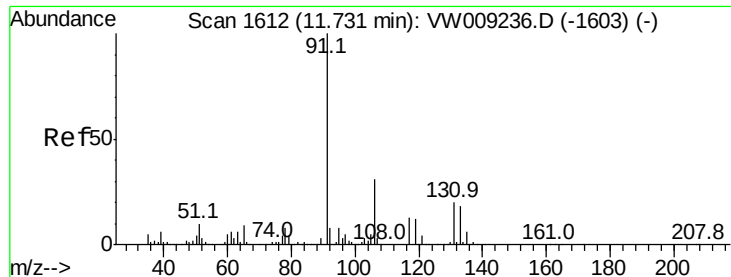
MMDadoda
3/22/2019 3:53:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.479 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.8
119	63.4	31.6	95.0





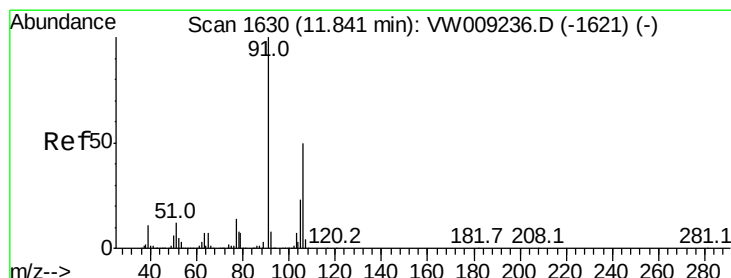
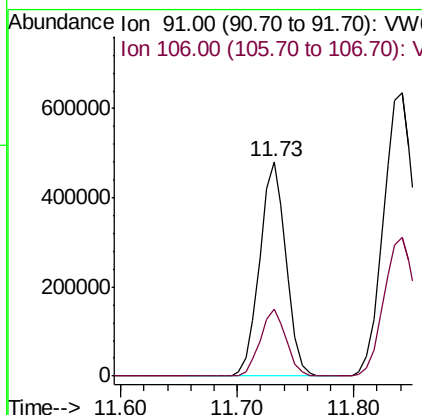
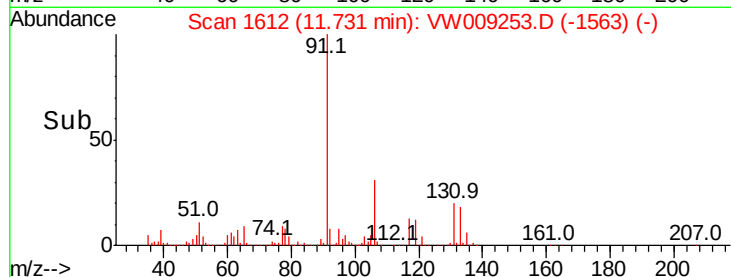
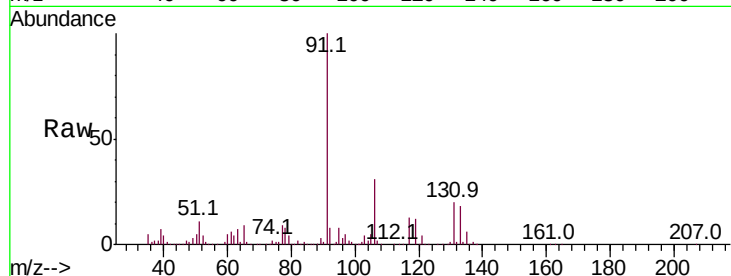
#67
Ethyl Benzene
Concen: 47.633 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 756314
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

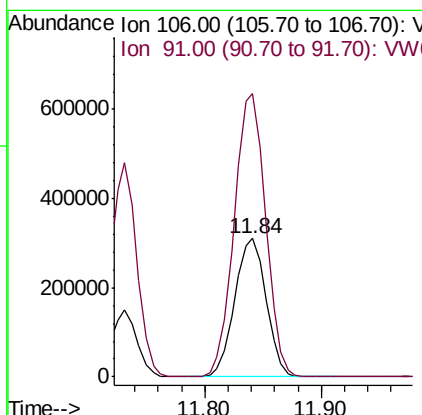
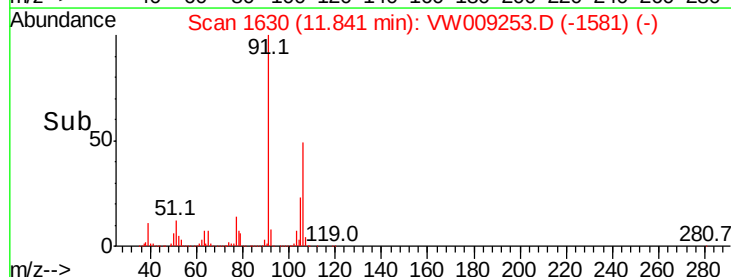
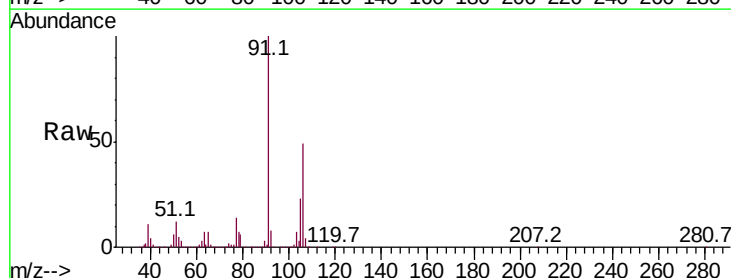
Manual Integrations
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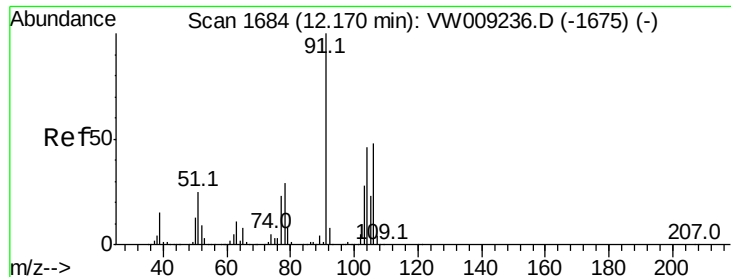
MMDadoda
3/22/2019 3:53:10 AM



#68
m/p-Xylenes
Concen: 95.174 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion: 106 Resp: 585732
Ion Ratio Lower Upper
106 100
91 204.5 163.1 244.7





#69

o-Xylene

Concen: 49.159 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 280939

Ion Ratio Lower Upper

106 100

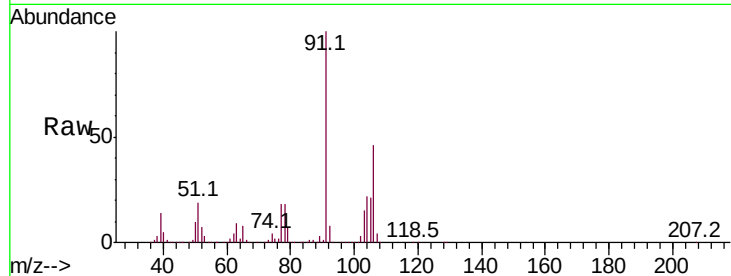
91 214.4 108.6 325.8

Manual Integrations

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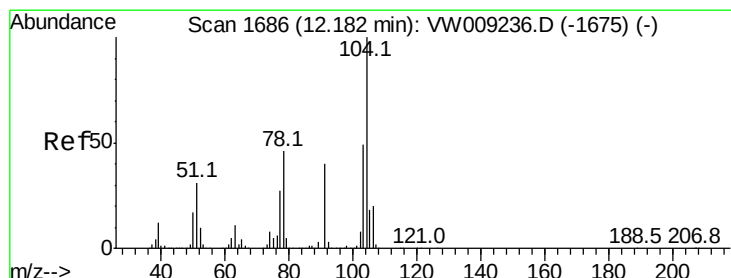
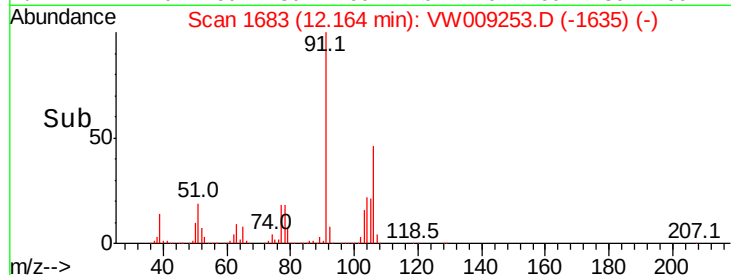
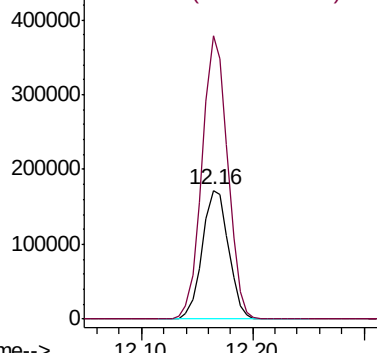
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#70

Styrene

Concen: 49.890 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

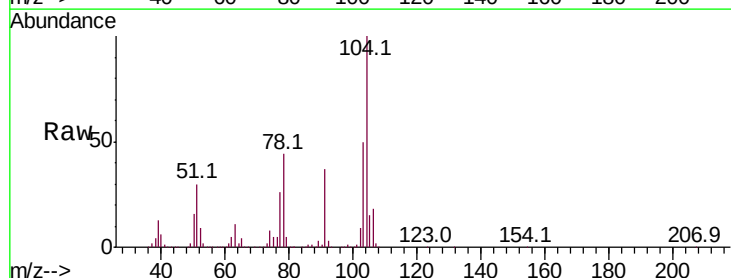
Tgt Ion:104 Resp: 470102

Ion Ratio Lower Upper

104 100

78 51.6 42.2 63.4

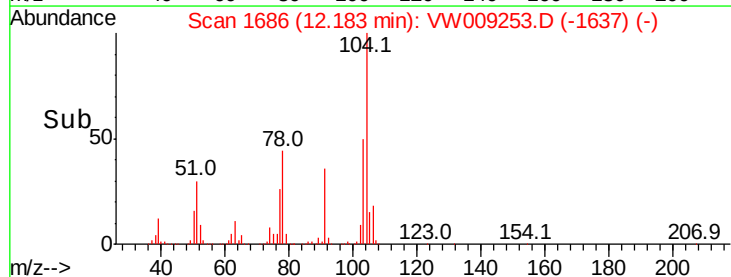
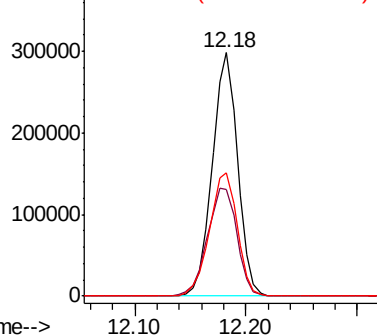
103 55.6 44.6 66.8

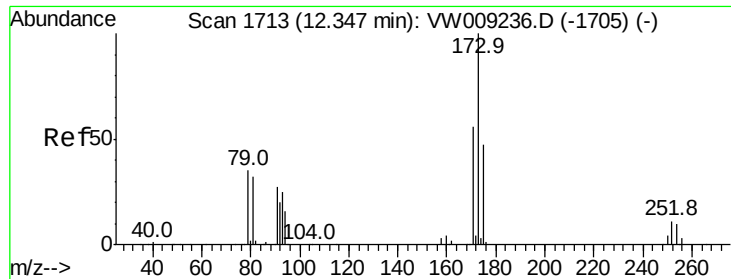


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.740 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 91157

Ion Ratio Lower Upper

173 100

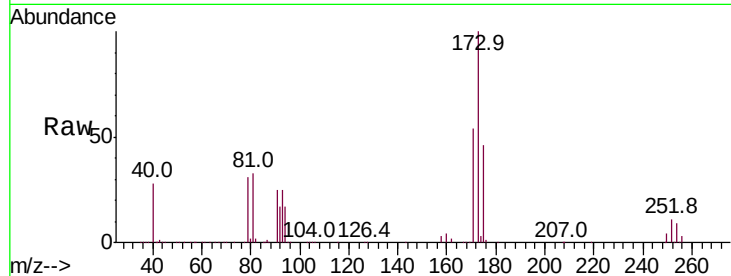
175 47.5 24.1 72.4

254 0.0 0.2 0.4#

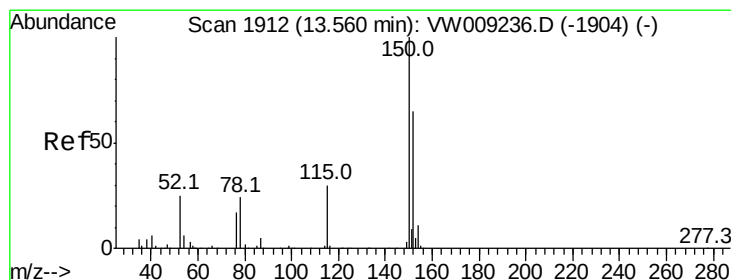
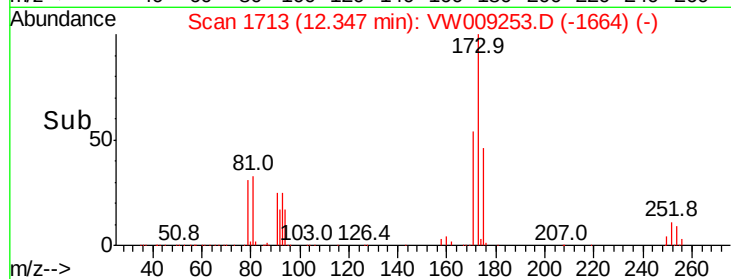
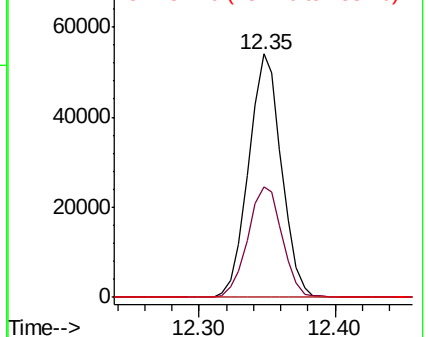
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

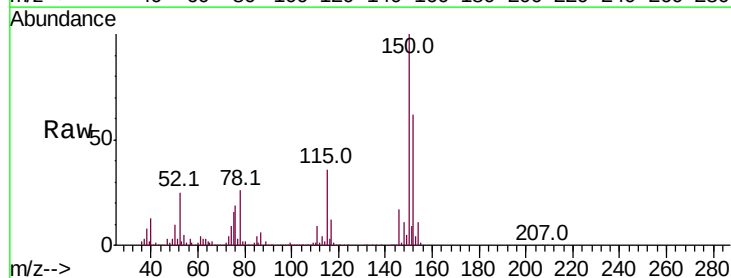
Tgt Ion:152 Resp: 237990

Ion Ratio Lower Upper

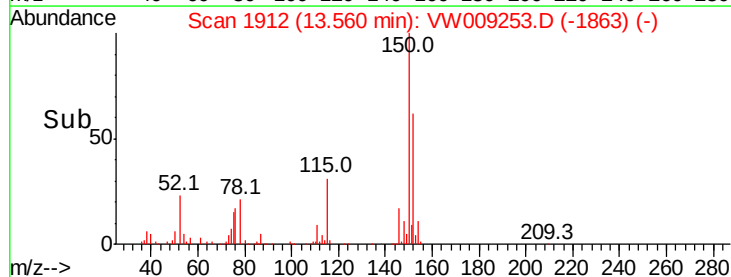
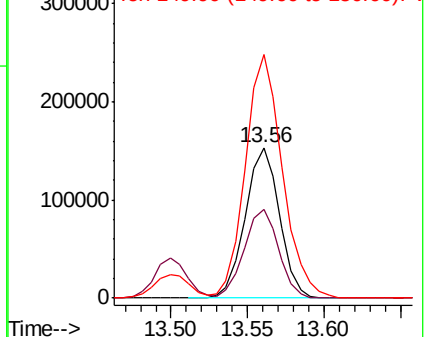
152 100

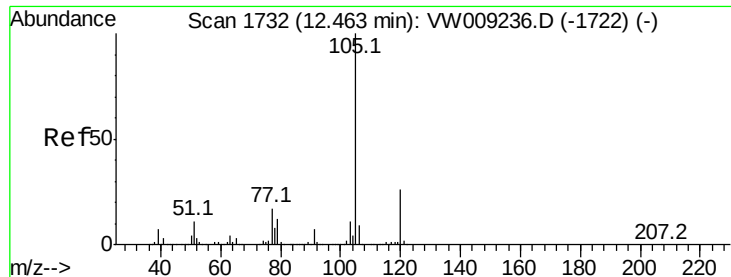
115 59.2 29.6 88.8

150 175.6 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: 49.008 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 779575

Ion Ratio Lower Upper

105 100

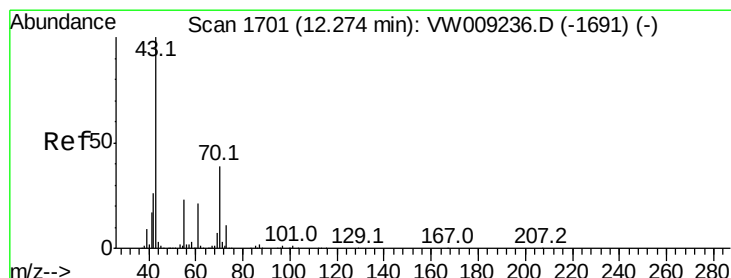
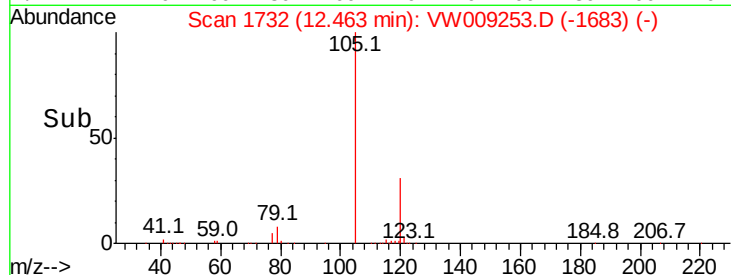
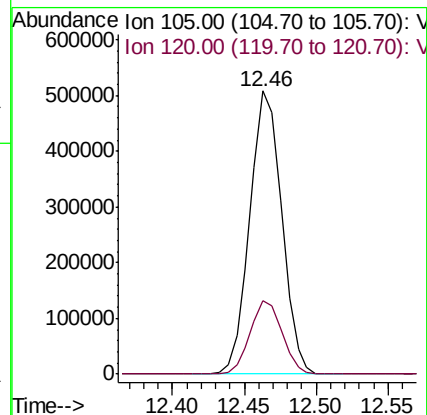
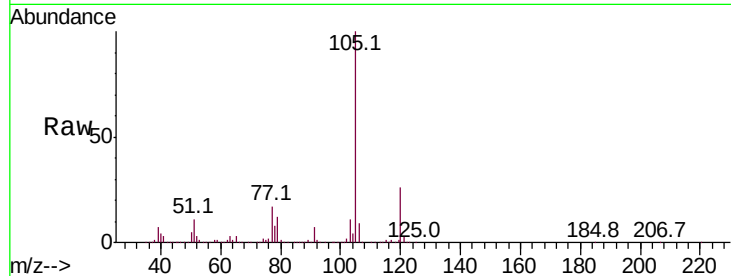
120 25.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 53.993 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion: 43 Resp: 224036

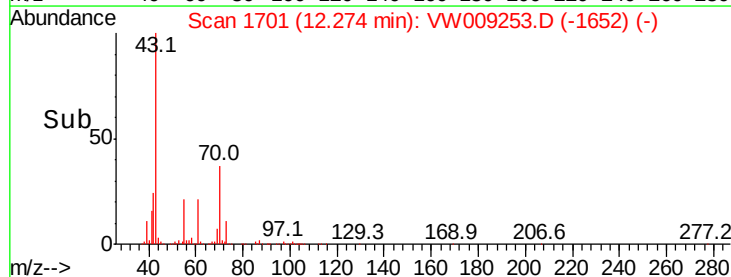
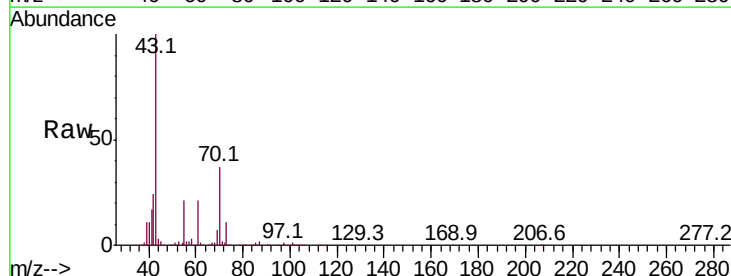
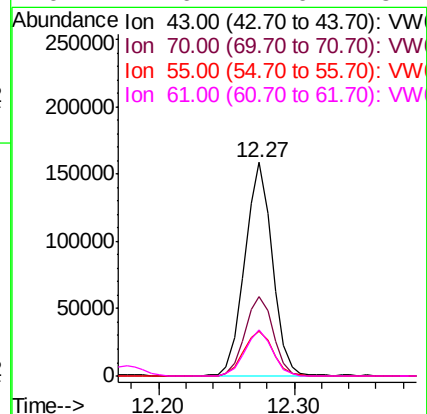
Ion Ratio Lower Upper

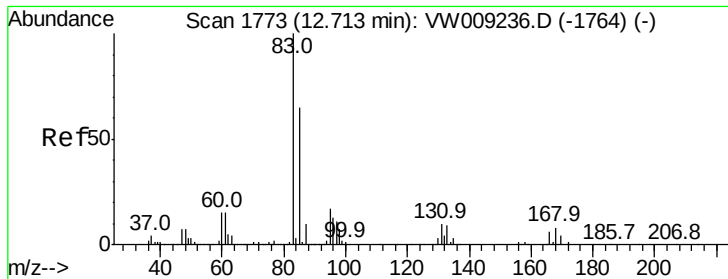
43 100

70 38.3 30.6 46.0

55 22.5 19.3 28.9

61 21.6 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.903 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

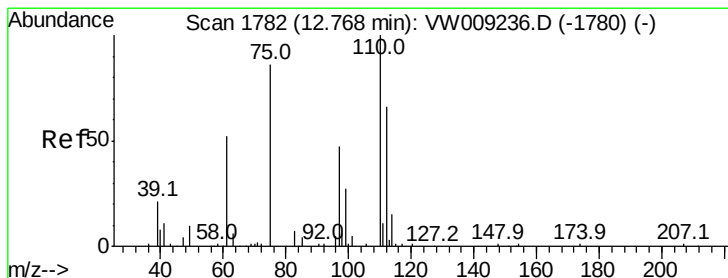
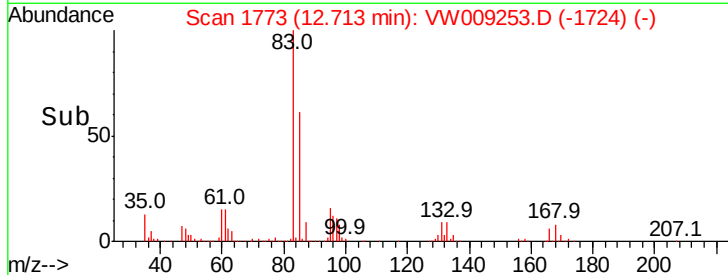
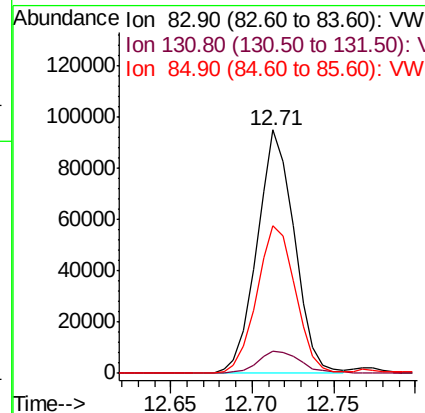
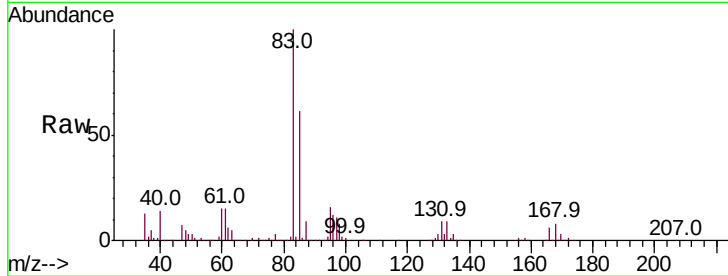
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	151463
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	63.1	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.034 ug/l m

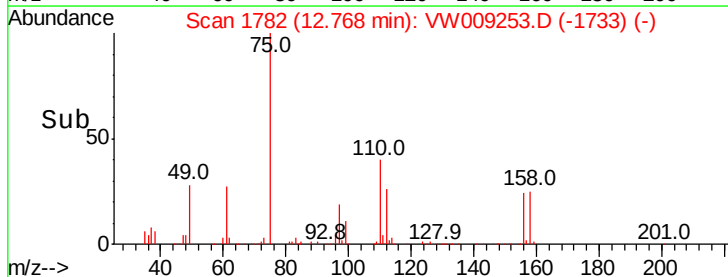
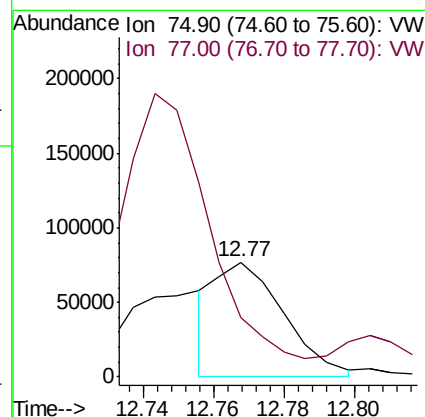
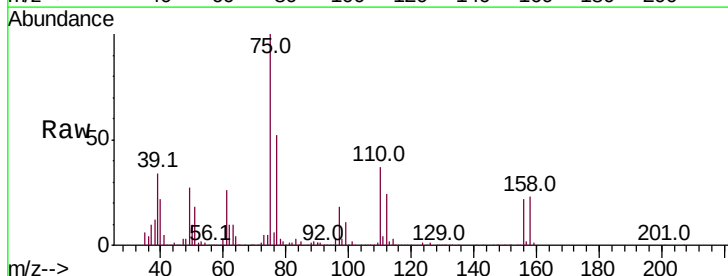
RT: 12.77 min Scan# 1782

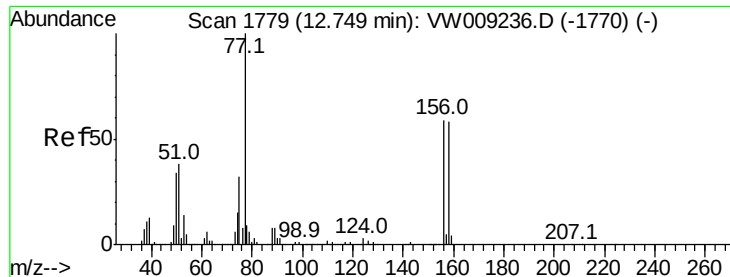
Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	75	Resp:	105190
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





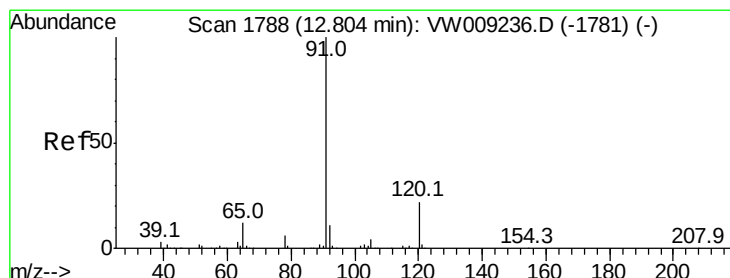
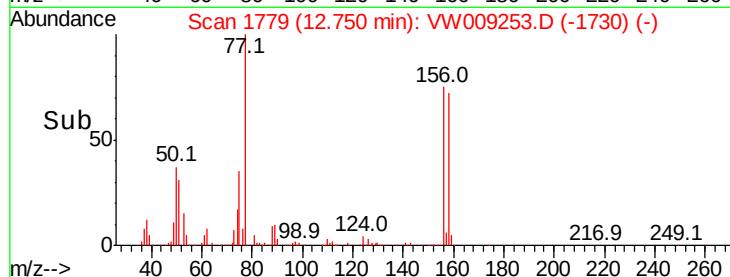
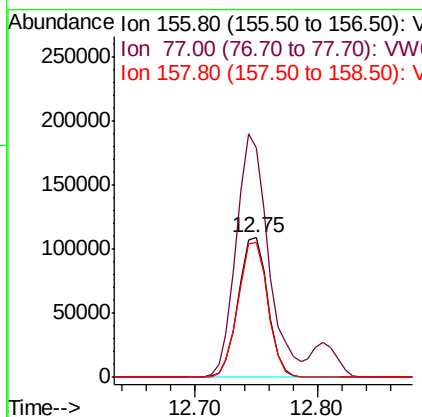
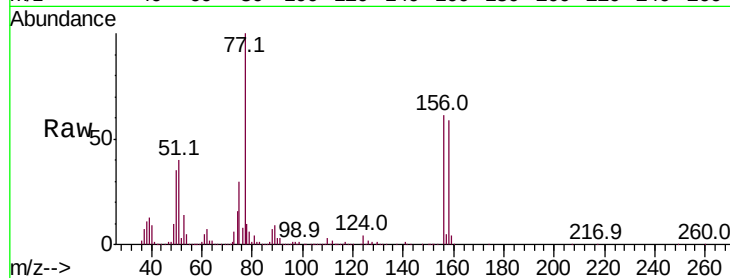
#77
Bromobenzene
Concen: 48.240 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	191.0	96.0	288.0
158	97.6	49.1	147.3

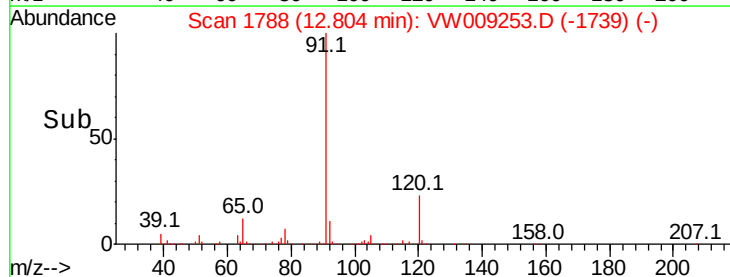
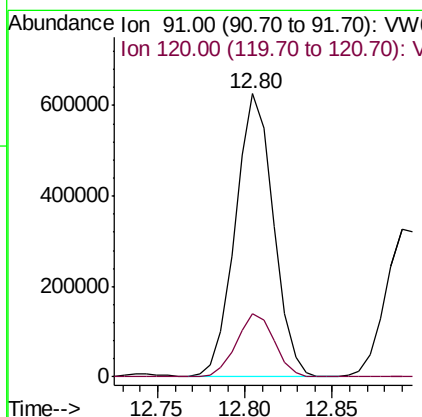
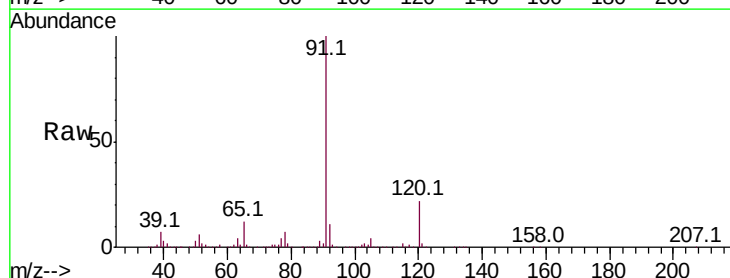
Manual Integrations
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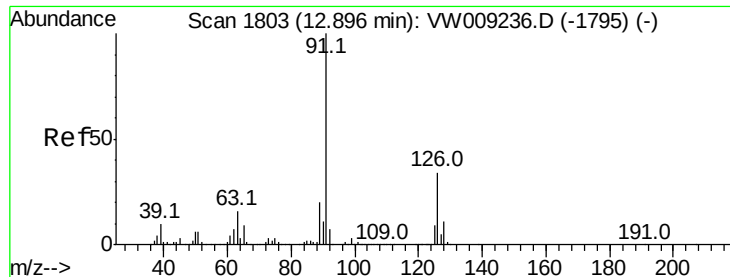
MMDadoda
3/22/2019 3:53:10 AM



#78
n-propylbenzene
Concen: 48.334 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3





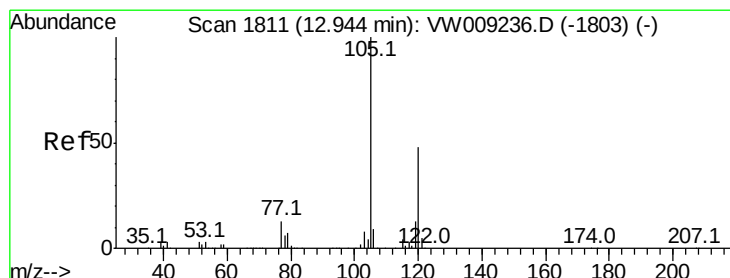
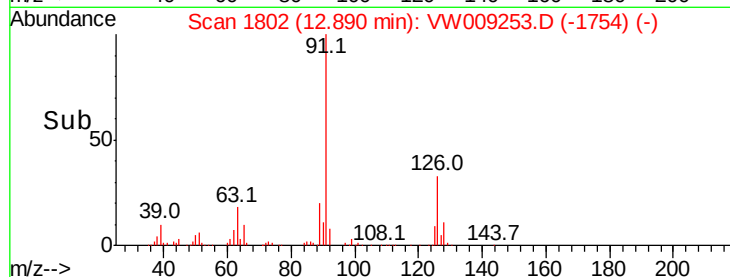
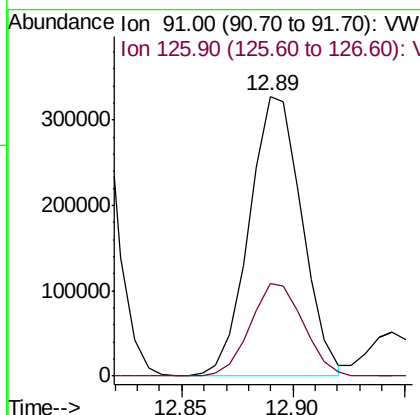
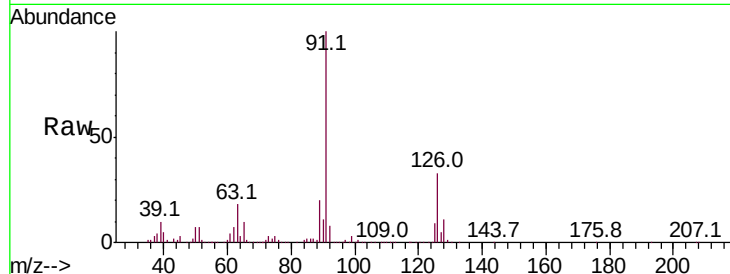
#79
 2-Chlorotoluene
 Concen: 48.571 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 539049
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.0 51.0

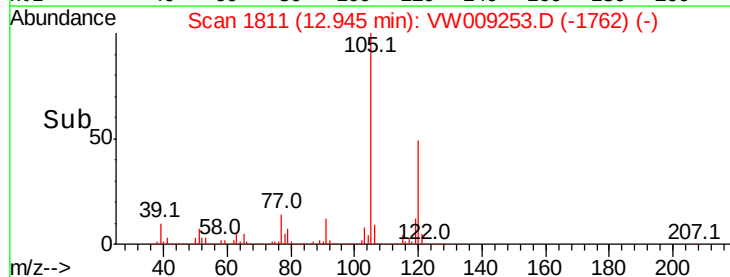
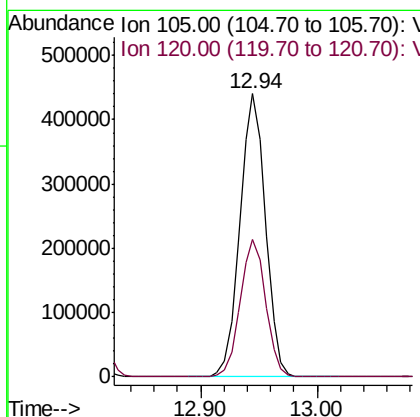
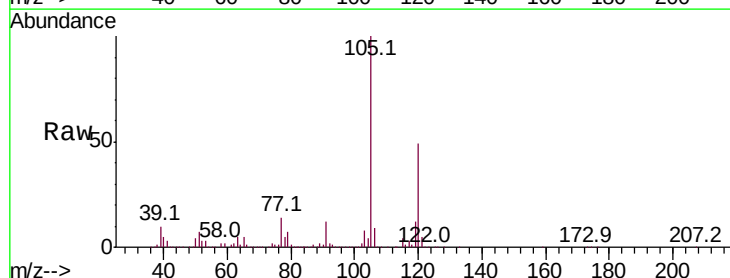
Manual Integrations
 APPROVED

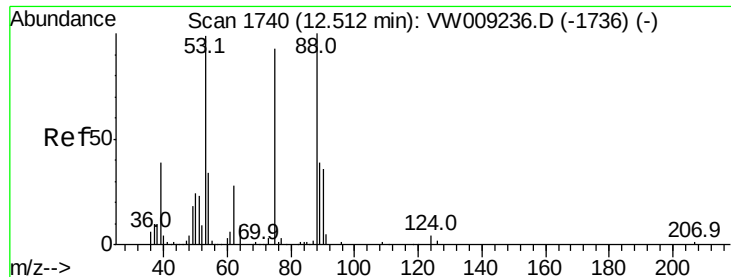
MMDadoda
 3/22/2019 3:53:10 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.789 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion:105 Resp: 673525
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.6 74.0





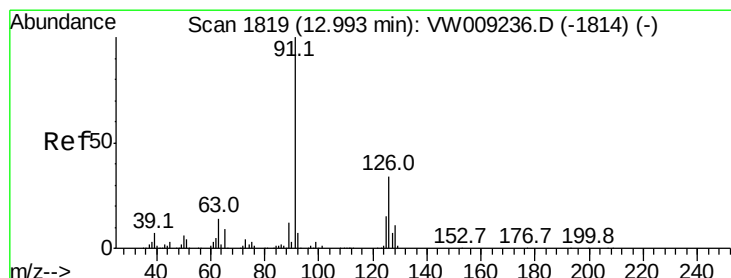
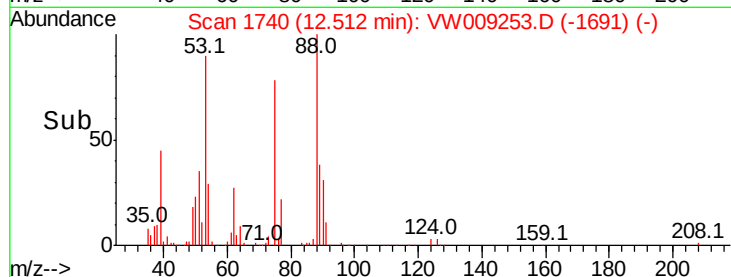
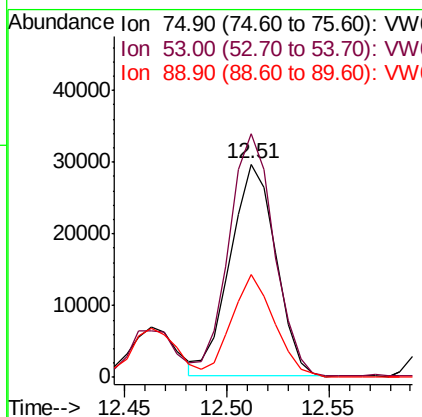
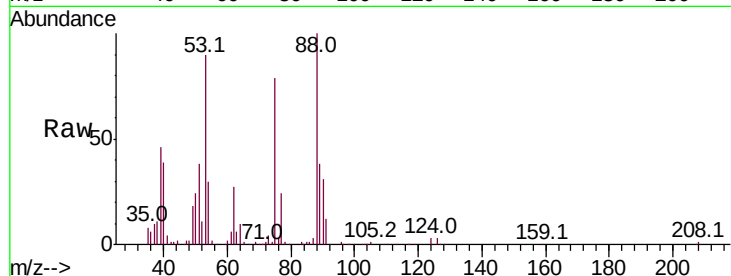
#81
trans-1,4-Dichloro-2-butene
Concen: 50.461 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.7	86.7	130.1
89	45.7	36.4	54.6

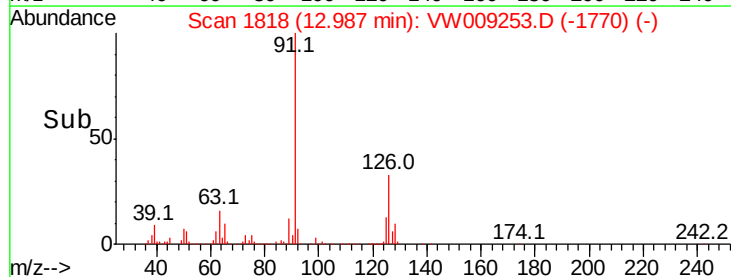
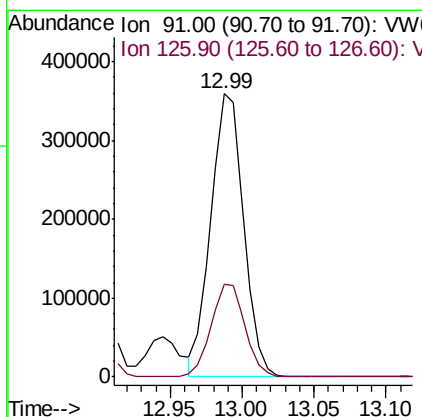
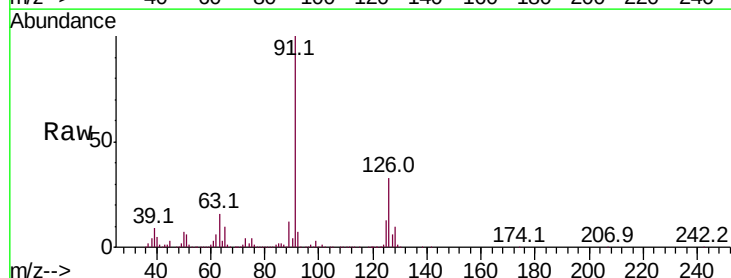
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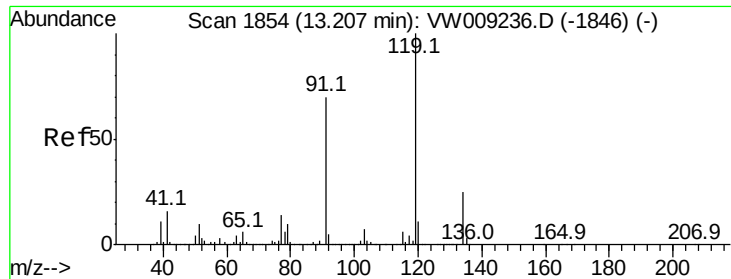
MMDadoda
3/22/2019 3:53:10 AM



#82
4-Chlorotoluene
Concen: 48.853 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6





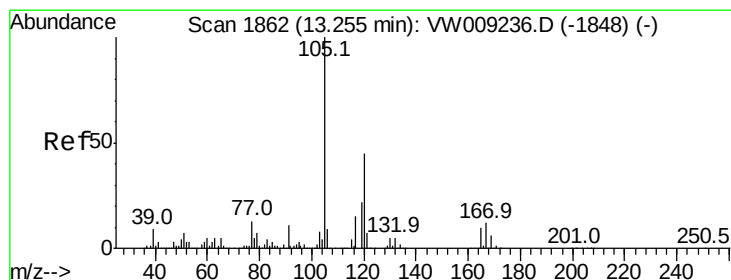
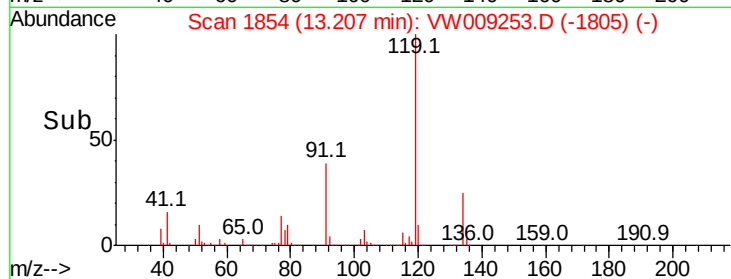
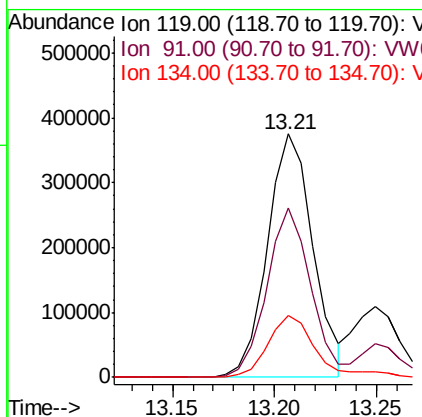
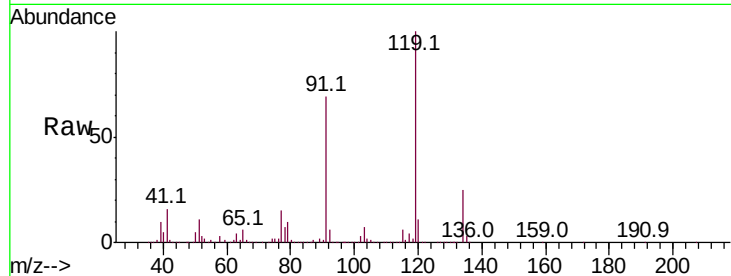
#83
 tert-Butylbenzene
 Concen: 50.528 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.4	103.2
134	27.0	12.7	38.1

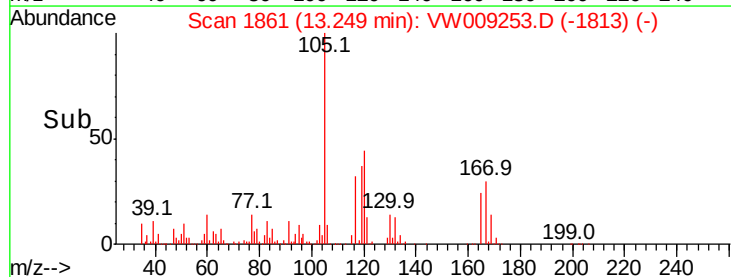
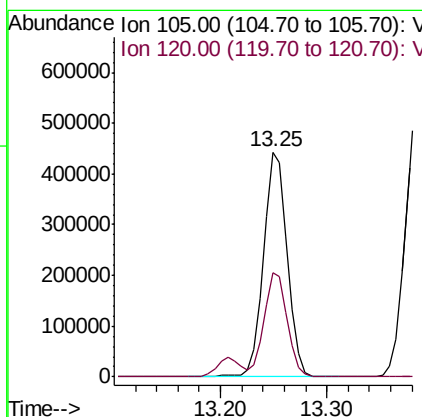
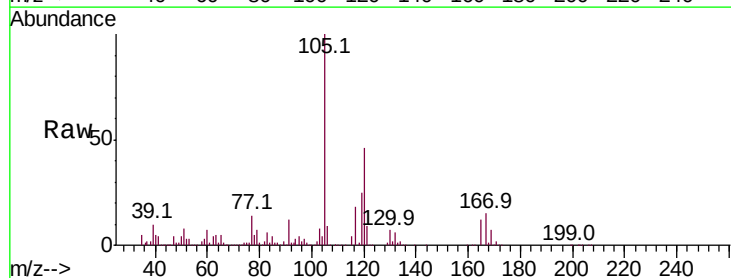
Manual Integrations
 APPROVED

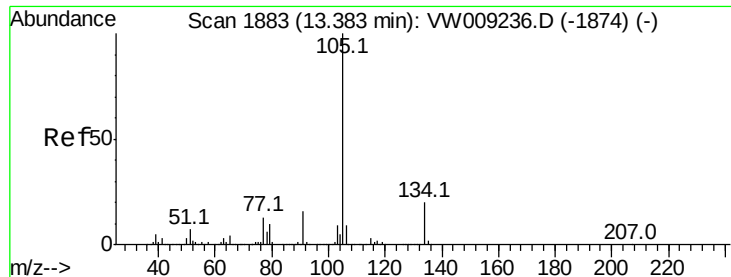
MMDadoda
 3/22/2019 3:53:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.799 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.3





#85

sec-Butylbenzene

Concen: 49.337 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 842806

Ion Ratio Lower Upper

105 100

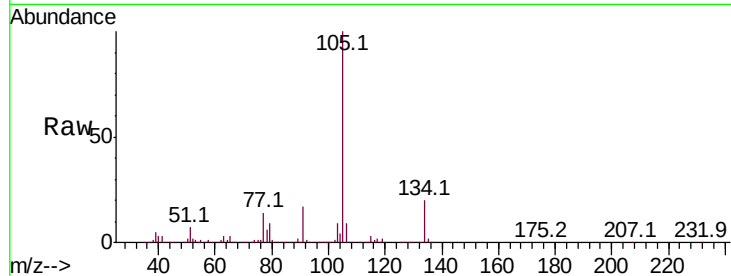
134 19.9 10.2 30.6

Manual Integrations

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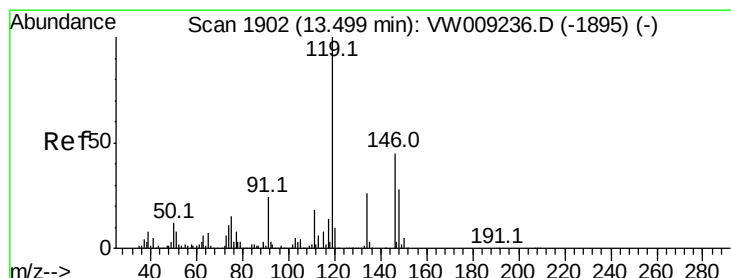
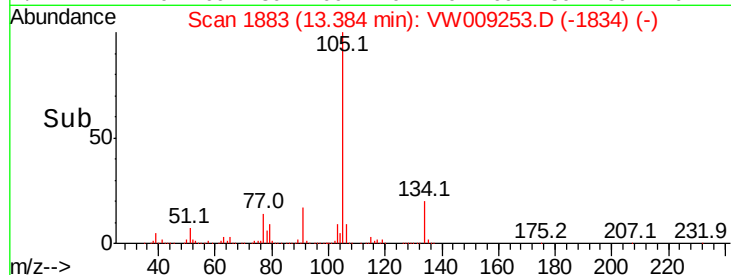
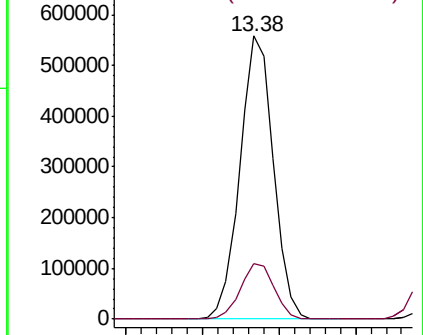
MMDadoda

3/22/2019 3:53:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.216 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

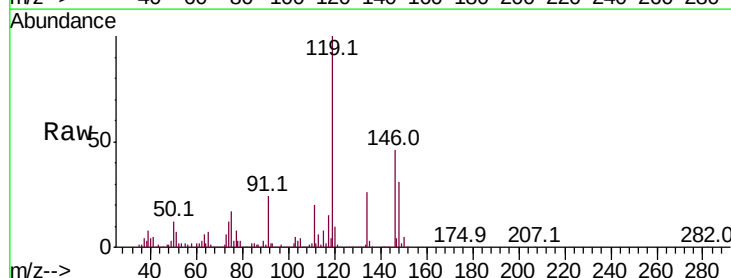
Tgt Ion:119 Resp: 748662

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

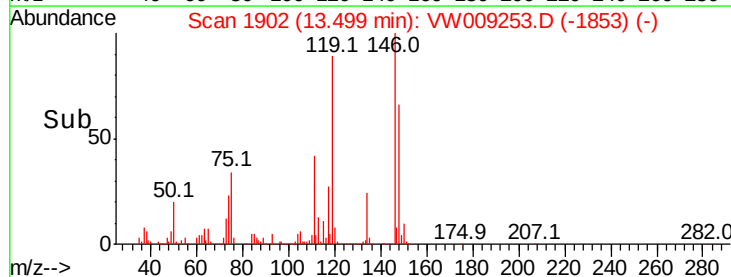
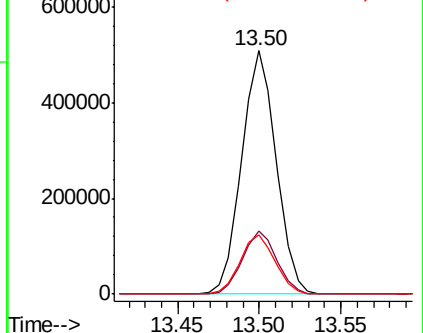
91 24.6 12.3 36.8

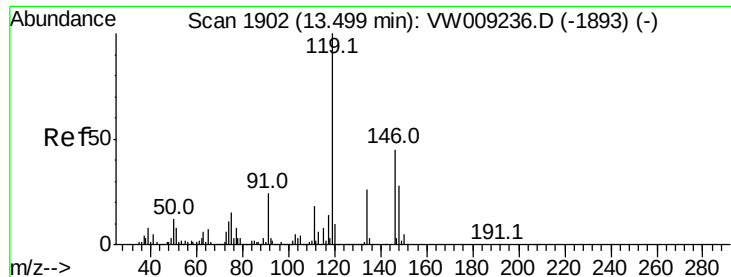


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.552 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

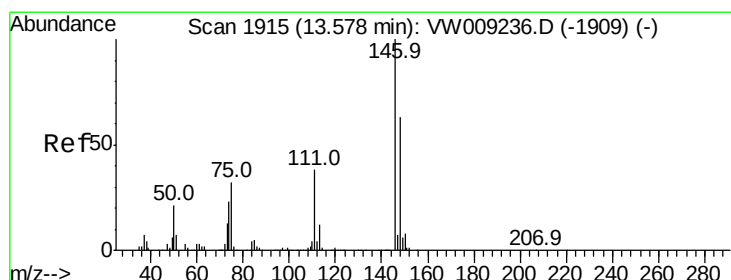
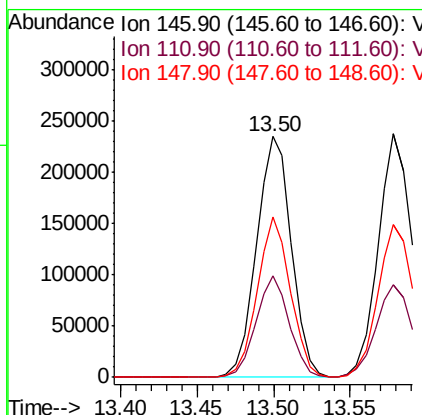
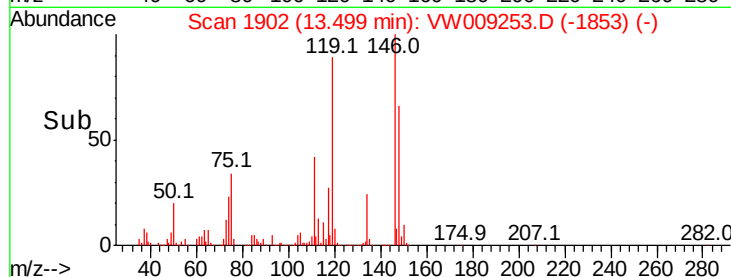
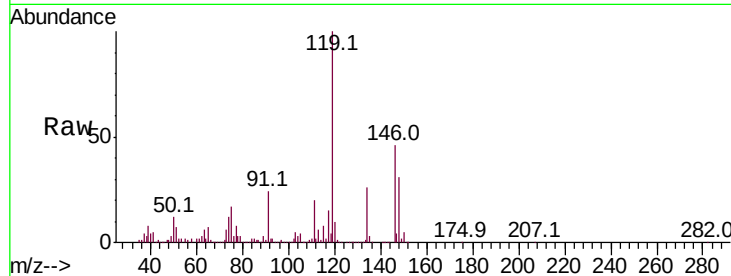
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	63.7	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.184 ug/l

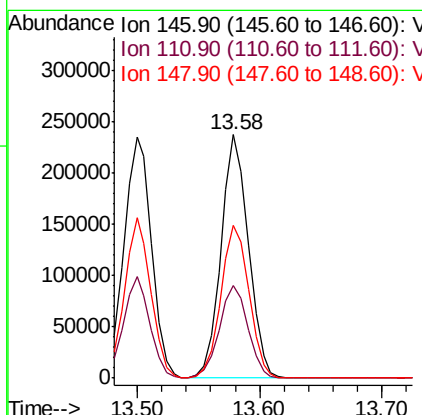
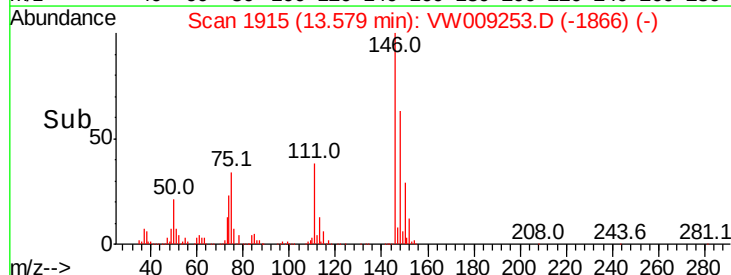
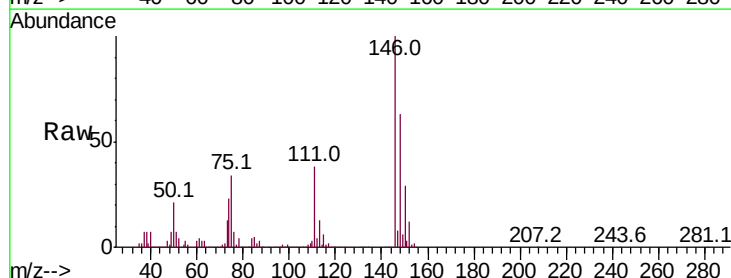
RT: 13.58 min Scan# 1915

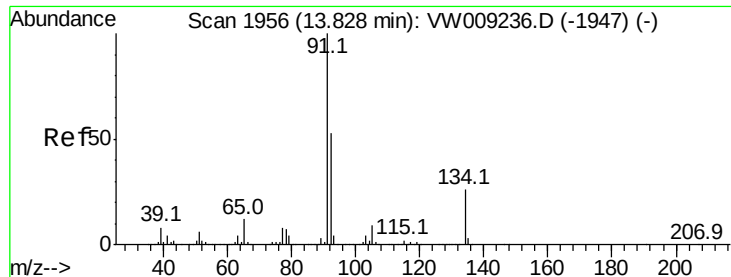
Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	64.7	32.2	96.6





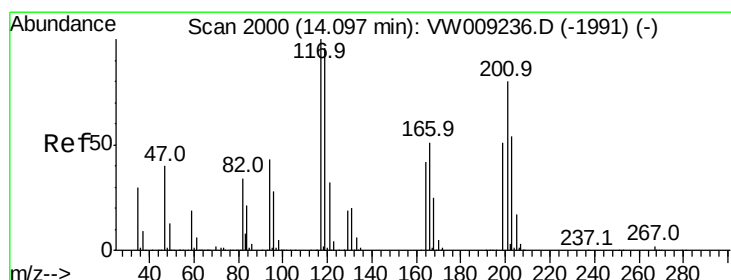
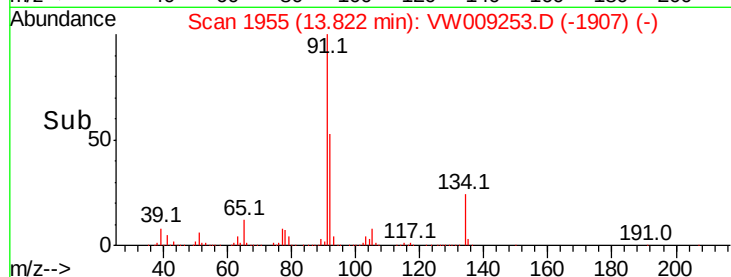
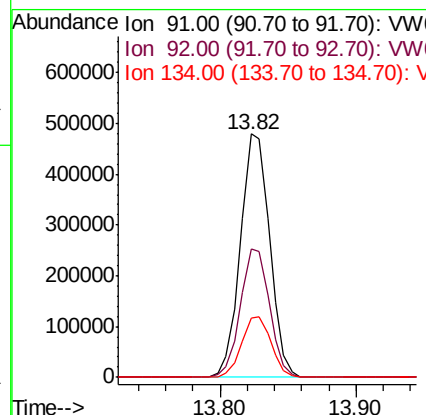
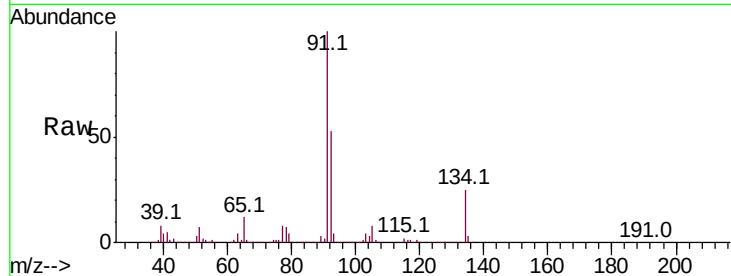
#89
n-Butylbenzene
Concen: 49.276 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	25.0	12.9	38.6

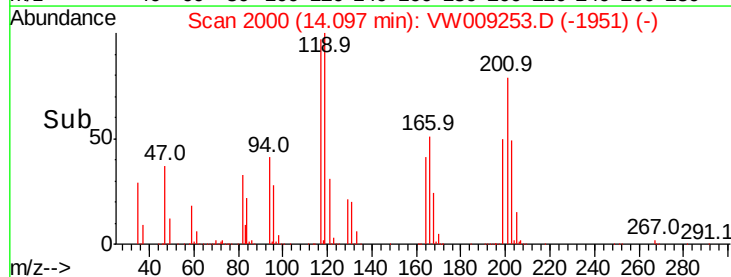
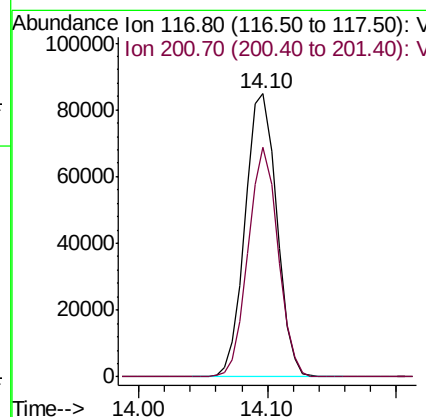
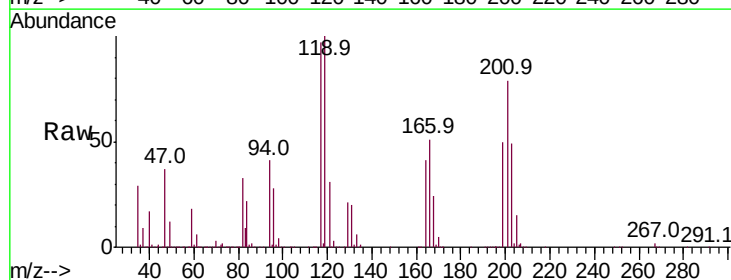
Manual Integrations
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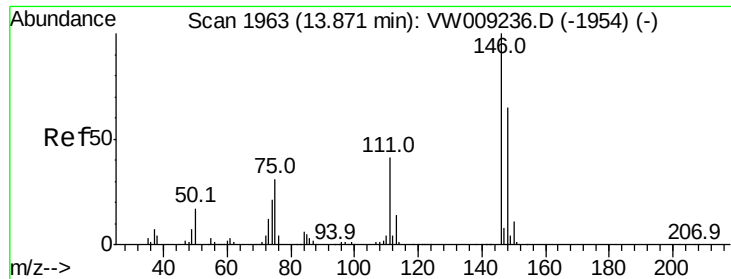
MMDadoda
3/22/2019 3:53:10 AM



#90
Hexachloroethane
Concen: 47.912 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009253.D
Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	38.2	114.6





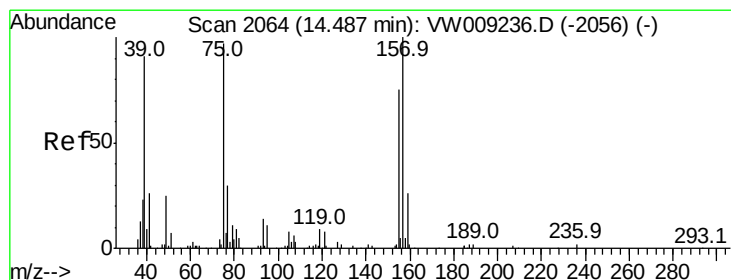
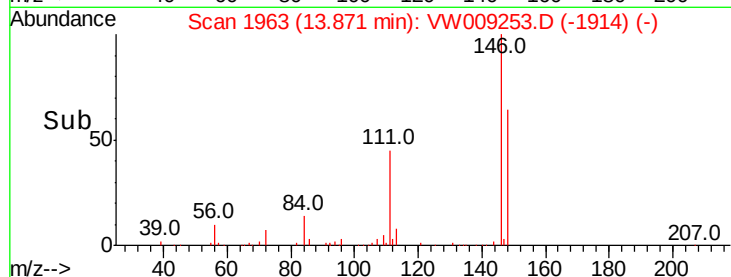
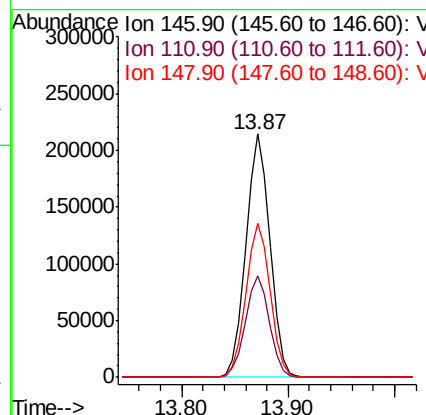
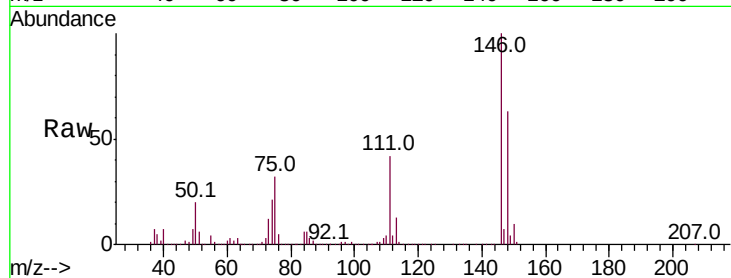
#91
 1,2-Dichlorobenzene
 Concen: 48.682 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	340366		
111	41.6	20.4	61.2	
148	63.7	31.9	95.9	

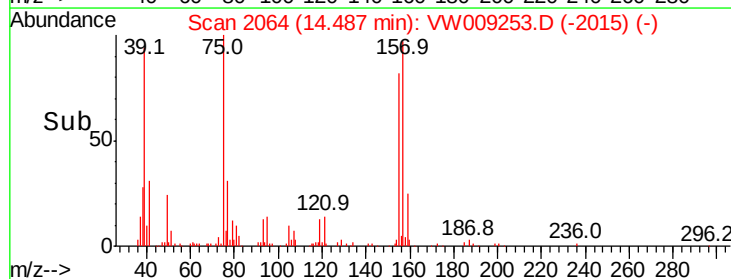
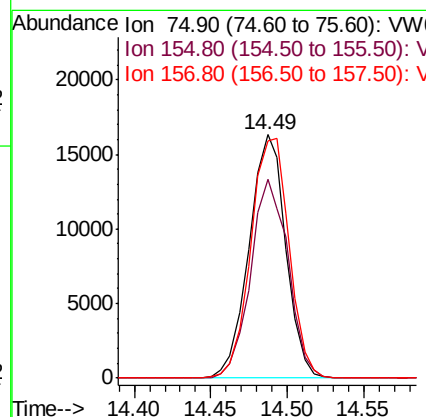
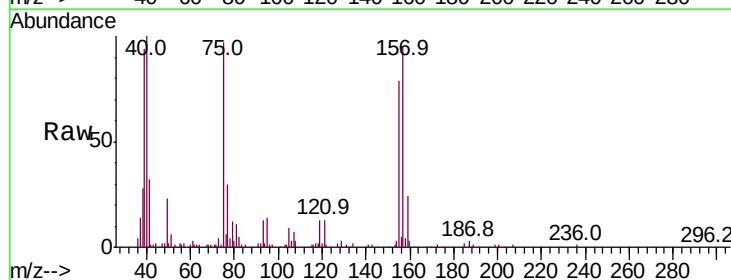
Manual Integrations
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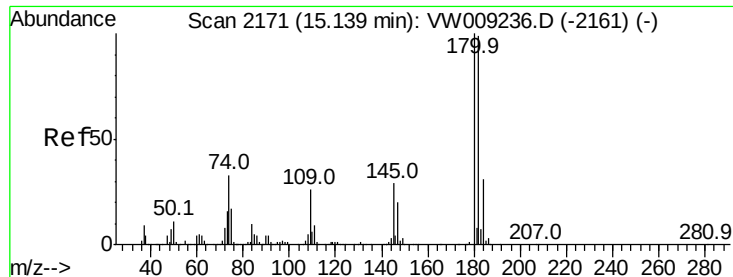
MMDadoda
 3/22/2019 3:53:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.897 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27118		
155	83.5	39.3	117.8	
157	103.0	49.5	148.5	





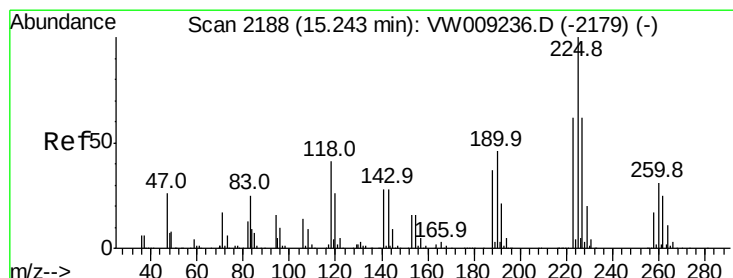
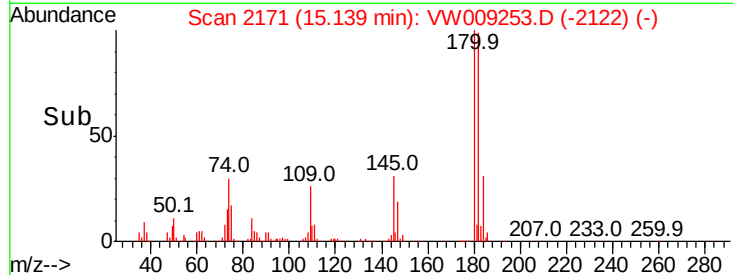
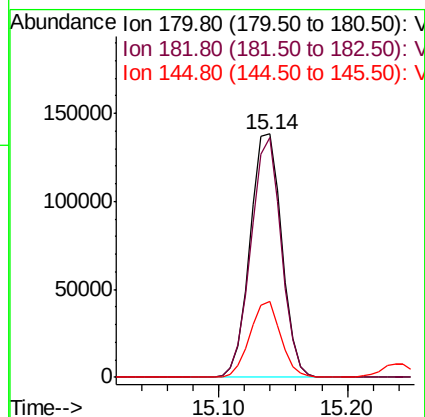
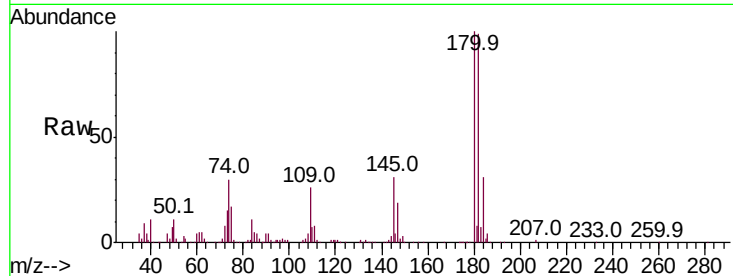
#93
 1,2,4-Trichlorobenzene
 Concen: 49.725 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	233486
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.9	143.7
145	30.3	15.0	45.0

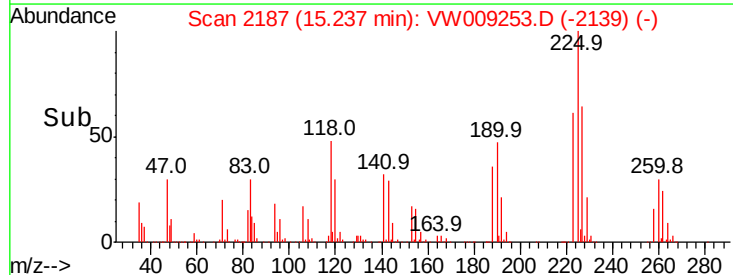
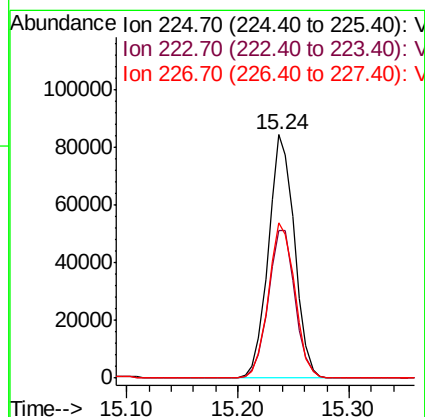
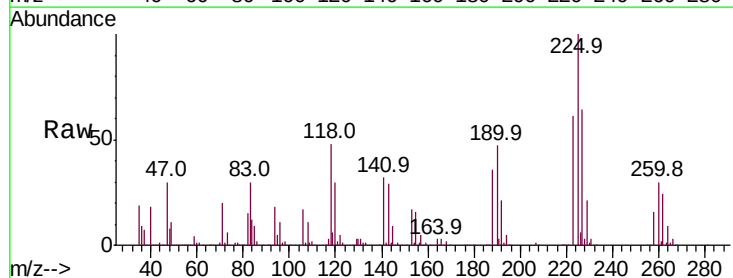
Manual Integrations
 APPROVED

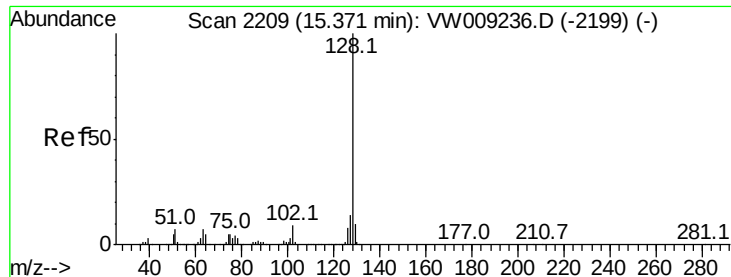
MMDadoda
 3/22/2019 3:53:10 AM



#94
 Hexachlorobutadiene
 Concen: 46.109 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009253.D
 Acq: 19 Mar 2019 21:01

Tgt Ion:	225	Resp:	137704
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.3
227	64.4	32.1	96.5





#95

Naphthalene

Concen: 55.459 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Instrument :

MSVOA_W

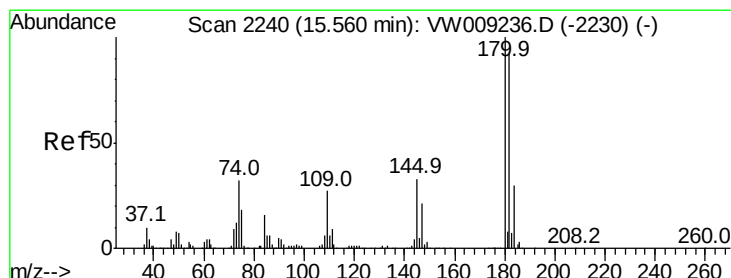
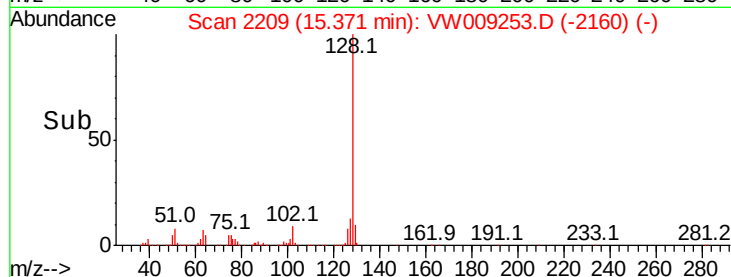
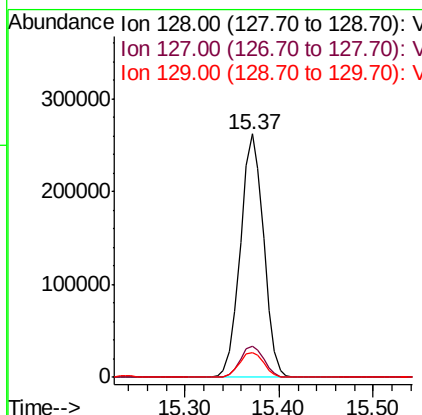
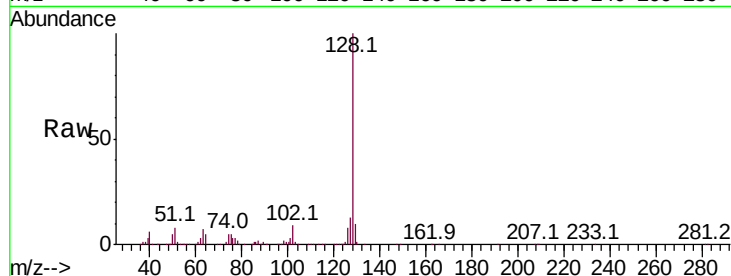
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	451187
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.968 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009253.D

Acq: 19 Mar 2019 21:01

Tgt Ion:	180	Resp:	209440
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.3	141.9
145	32.1	16.0	48.0

