

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008589.D
 Acq On : 11 Feb 2019 11:09
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:42:44 PM

Quant Time: Feb 12 04:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	469579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	715755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	634793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	365165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	222264	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.88	113	216130	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.32	98	835438	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	323249	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	109319	40.917	ug/l	99
3) Chloromethane	2.21	50	170582	44.503	ug/l	97
4) Vinyl Chloride	2.36	62	279891	57.362	ug/l	96
5) Bromomethane	2.78	94	192806	61.262	ug/l	98
6) Chloroethane	2.92	64	197463	66.172	ug/l	99
7) Trichlorofluoromethane	3.25	101	190926	45.461	ug/l	99
8) Diethyl Ether	3.67	74	124732	53.264	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	238318	56.113	ug/l	98
10) Methyl Iodide	4.26	142	358702	53.470	ug/l	100
11) Tert butyl alcohol	5.17	59	87807	236.413	ug/l	99
12) 1,1-Dichloroethene	4.03	96	222380	51.738	ug/l	99
13) Acrolein	3.88	56	74042	226.352	ug/l	100
14) Allyl chloride	4.65	41	406576	49.815	ug/l	94
15) Acrylonitrile	5.36	53	257754	254.899	ug/l	99
16) Acetone	4.12	43	263944	254.783	ug/l	99
17) Carbon Disulfide	4.37	76	609750	44.418	ug/l	100
18) Methyl Acetate	4.66	43	147837	53.504	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	395776	55.653	ug/l	100
20) Methylene Chloride	4.90	84	233643	48.933	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	248684	51.464	ug/l	98
22) Diisopropyl ether	6.31	45	803876	51.969	ug/l	99
23) Vinyl Acetate	6.24	43	2279092	249.523	ug/l	99
24) 1,1-Dichloroethane	6.21	63	457189	52.216	ug/l	99
25) 2-Butanone	7.17	43	359959	250.158	ug/l	97
26) 2,2-Dichloropropane	7.16	77	321961	54.400	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	277974	52.784	ug/l	99
28) Bromochloromethane	7.51	49	179461	44.625	ug/l	98
29) Tetrahydrofuran	7.52	42	227555	249.554	ug/l	99
30) Chloroform	7.67	83	465380	54.038	ug/l	99
31) Cyclohexane	7.95	56	408339	45.102	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	402538	54.115	ug/l	99
36) 1,1-Dichloropropene	8.07	75	370381	54.781	ug/l	99
37) Ethyl Acetate	7.25	43	152534	50.993	ug/l	98
38) Carbon Tetrachloride	8.06	117	391425	57.532	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	455971	51.337	ug/l	99
40) Benzene	8.32	78	1003501	53.488	ug/l	98
41) Methacrylonitrile	7.48	41	90097	50.868	ug/l	93
42) 1,2-Dichloroethane	8.40	62	302718	55.678	ug/l	100
43) Isopropyl Acetate	8.42	43	321561	51.743	ug/l	98
44) Trichloroethene	9.09	130	283526	55.574	ug/l	97
45) 1,2-Dichloropropane	9.37	63	252864	54.055	ug/l	96
46) Dibromomethane	9.45	93	130416	54.204	ug/l	97
47) Bromodichloromethane	9.64	83	353364	55.526	ug/l	99
48) Methyl methacrylate	9.43	41	155259	51.094	ug/l	94
49) 1,4-Dioxane	9.44	88	43655	1073.423	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	808181	263.237	ug/l	99
52) Toluene	10.38	92	667548	53.901	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	364137	53.773	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	415984	54.131	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	181795	54.474	ug/l	97
56) Ethyl methacrylate	10.65	69	236994	50.681	ug/l	97
57) 1,3-Dichloropropane	10.93	76	317542	53.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	549654	241.920	ug/l	100
59) 2-Hexanone	10.97	43	589495	271.981	ug/l	98
60) Dibromochloromethane	11.13	129	233963	54.554	ug/l	99
61) 1,2-Dibromoethane	11.23	107	175405	53.008	ug/l	100
64) Tetrachloroethene	10.86	164	235341	54.757	ug/l	96
65) Chlorobenzene	11.66	112	722249	55.736	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	267287	57.651	ug/l	99
67) Ethyl Benzene	11.73	91	1346815	56.542	ug/l	99
68) m/p-Xylenes	11.84	106	1049558	113.565	ug/l	100
69) o-Xylene	12.16	106	499272	56.857	ug/l	99
70) Styrene	12.18	104	835471	57.600	ug/l	99
71) Bromoform	12.35	173	141684	54.315	ug/l	99
73) Isopropylbenzene	12.46	105	1432736	52.628	ug/l	100
74) N-amyl acetate	12.27	43	342911	48.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	212558	49.317	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	151163m	47.613	ug/l	
77) Bromobenzene	12.75	156	308167	51.833	ug/l	97
78) n-propylbenzene	12.80	91	1748335	53.470	ug/l	100
79) 2-Chlorotoluene	12.89	91	971843	52.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1219437	53.591	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	75494	46.965	ug/l	91
82) 4-Chlorotoluene	12.99	91	1052820	53.594	ug/l	100
83) tert-Butylbenzene	13.21	119	1075583	53.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1271141	54.961	ug/l	99
85) sec-Butylbenzene	13.38	105	1601047	55.365	ug/l	99
86) p-Isopropyltoluene	13.50	119	1440505	56.868	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	670576	55.848	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	659537	55.270	ug/l	99
89) n-Butylbenzene	13.83	91	1386744	55.757	ug/l	99
90) Hexachloroethane	14.10	117	260665	52.620	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	581846	54.766	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	37087	45.350	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	395983	52.229	ug/l	98
94) Hexachlorobutadiene	15.24	225	248841	54.461	ug/l	100
95) Naphthalene	15.37	128	662477	49.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	333849	51.910	ug/l	100

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

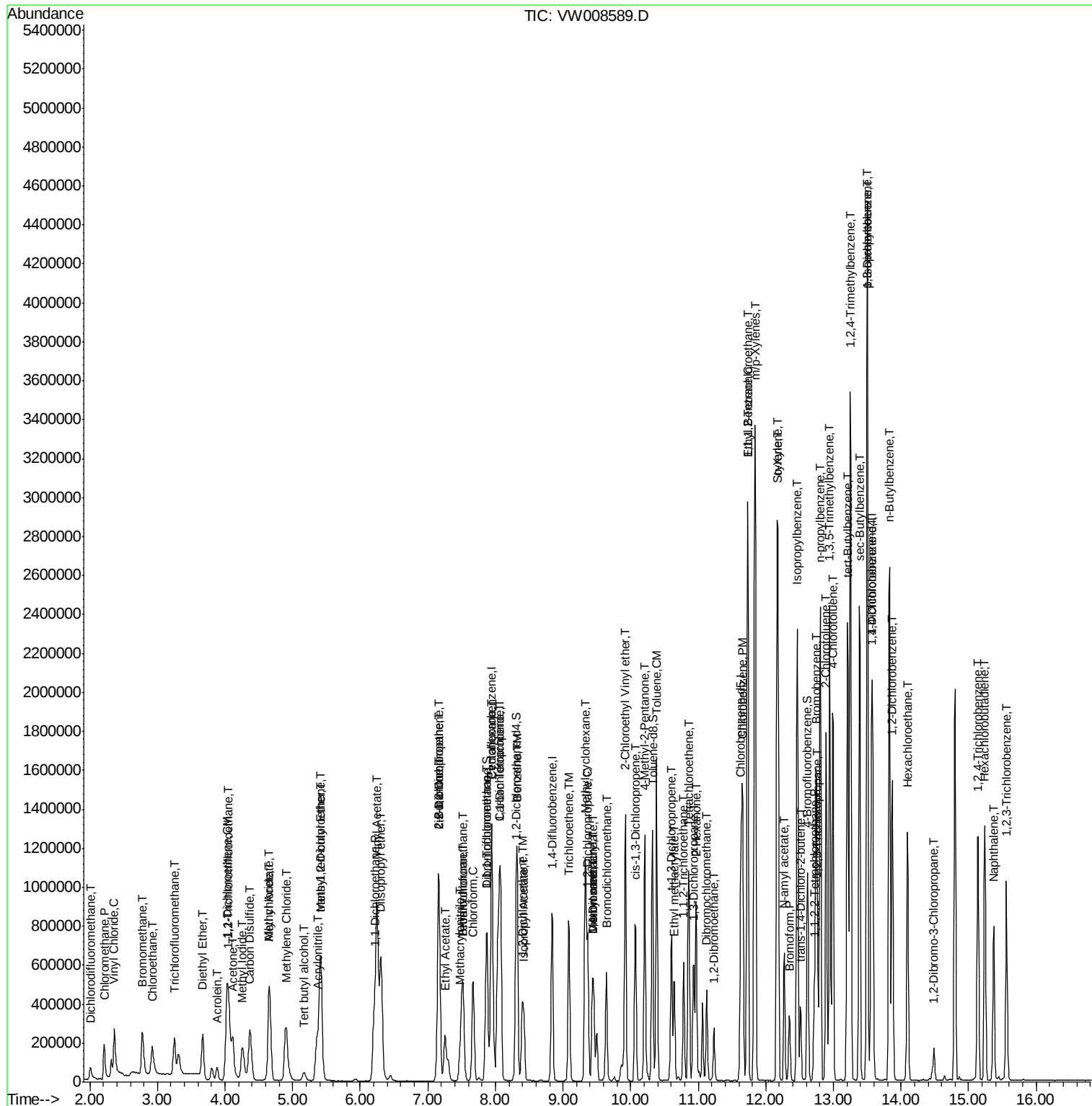
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
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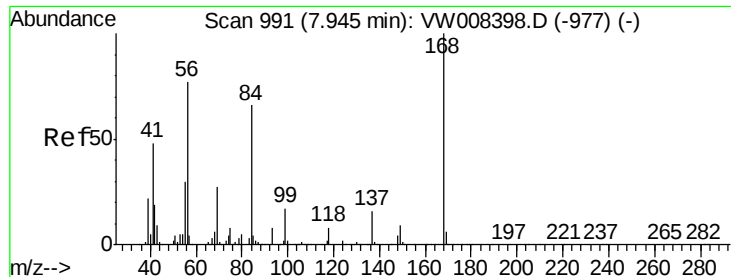
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 469579

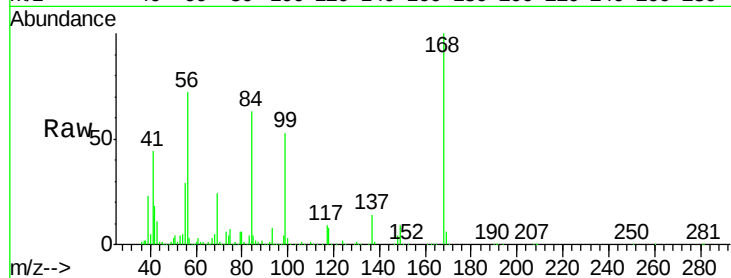
Ion Ratio Lower Upper

168 100

99 52.9 45.5 68.3

Manual Integrations
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2/12/2019 1:42:44 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

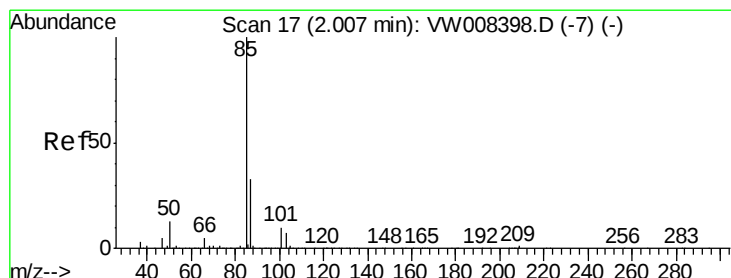
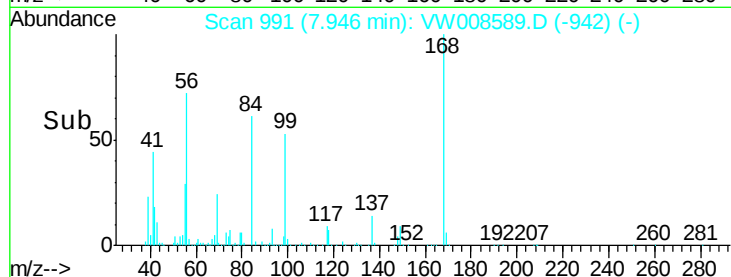
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 40.917 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008589.D

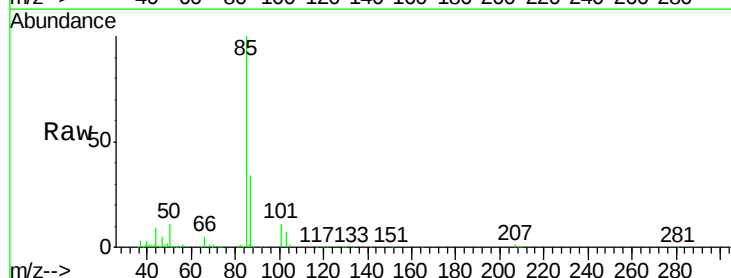
Acq: 11 Feb 2019 11:09

Tgt Ion: 85 Resp: 109319

Ion Ratio Lower Upper

85 100

87 34.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

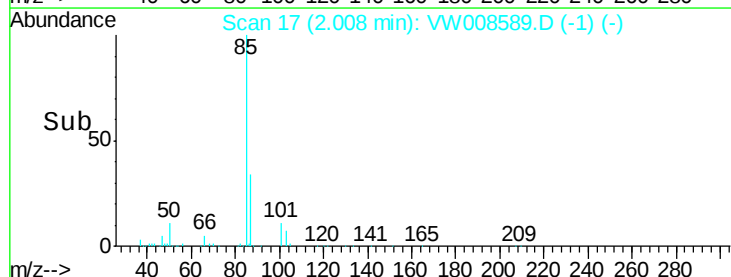
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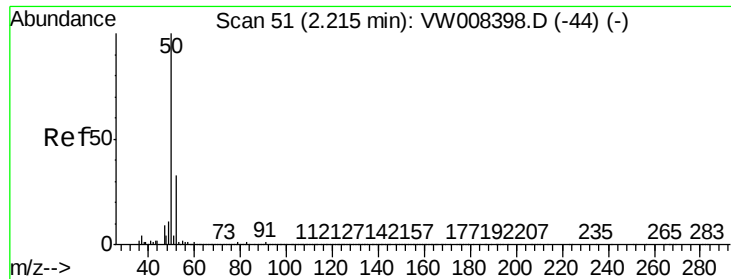
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.503 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 170582

Ion Ratio Lower Upper

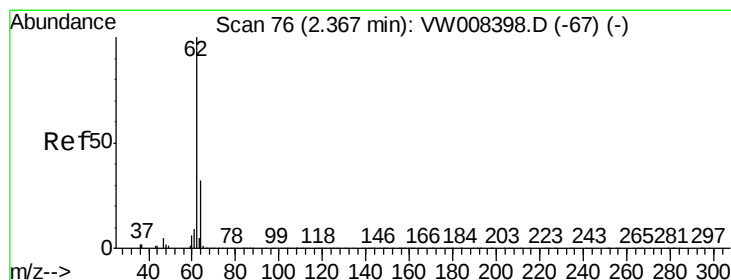
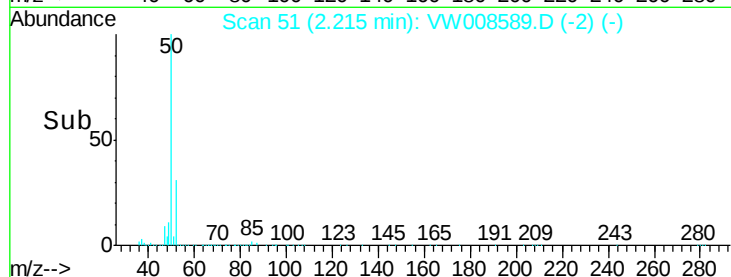
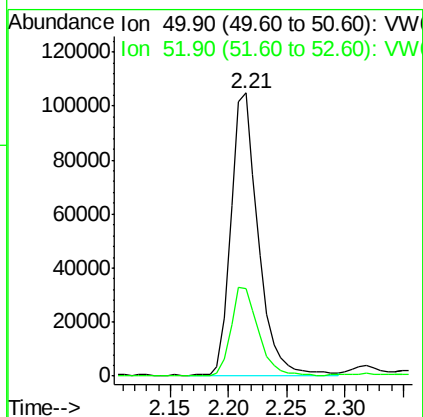
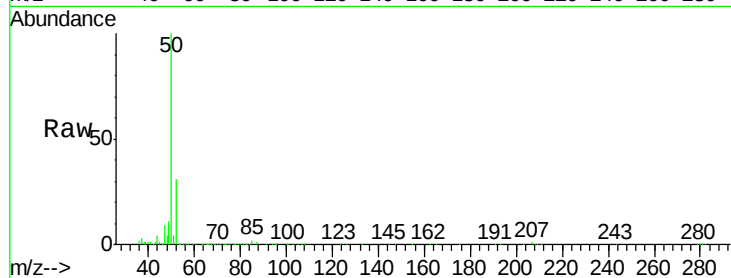
50 100

52 31.2 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 57.362 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008589.D

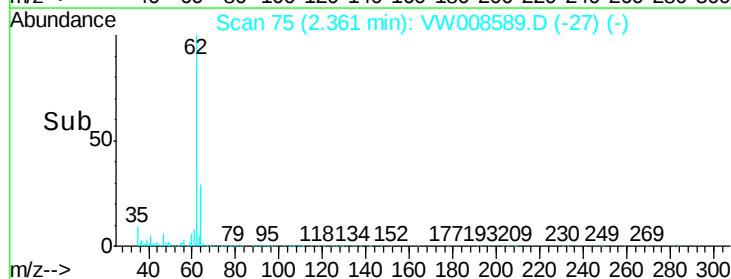
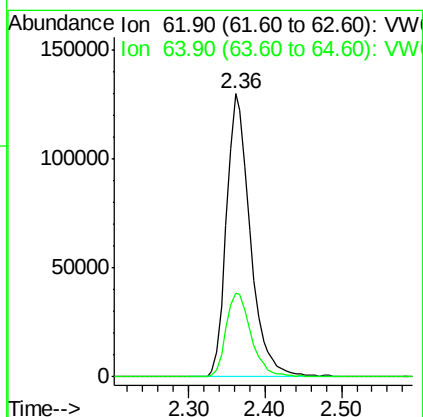
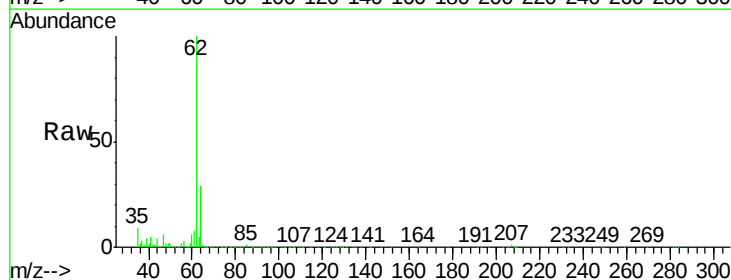
Acq: 11 Feb 2019 11:09

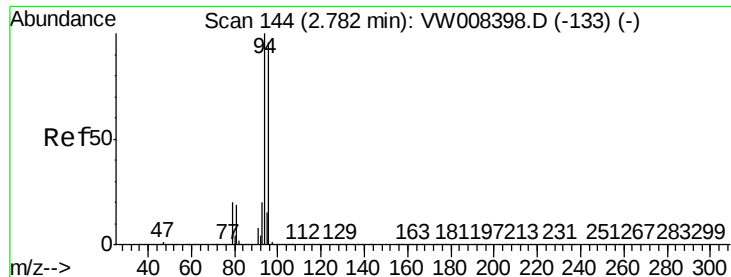
Tgt Ion: 62 Resp: 279891

Ion Ratio Lower Upper

62 100

64 29.5 25.5 38.3





#5

Bromomethane

Concen: 61.262 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 192806

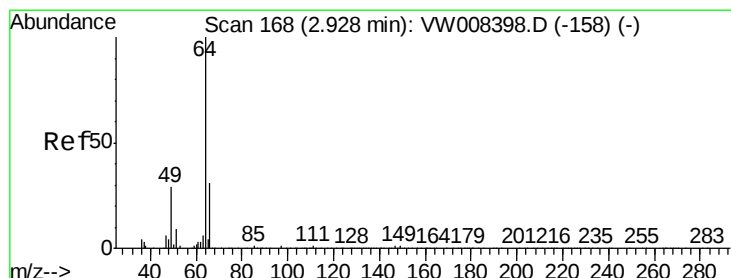
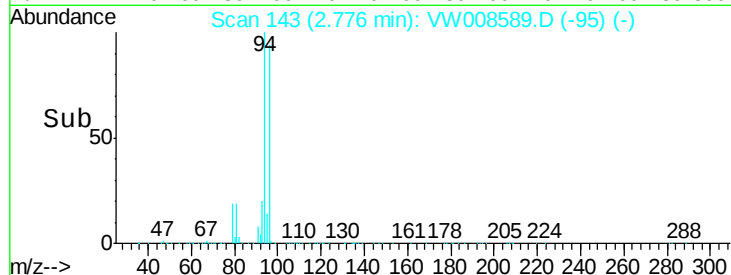
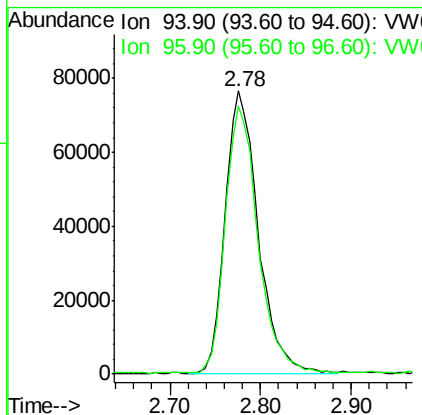
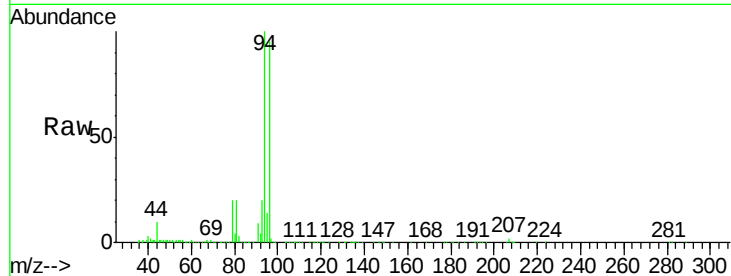
Ion Ratio Lower Upper

94 100

96 94.4 77.2 115.8

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#6

Chloroethane

Concen: 66.172 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008589.D

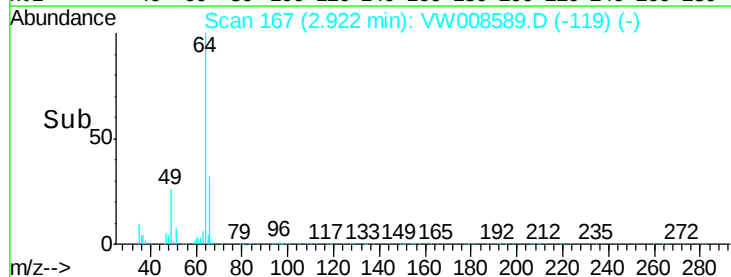
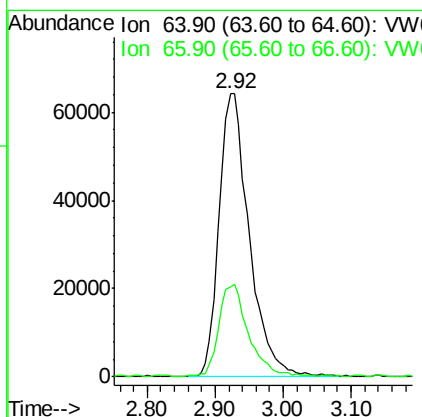
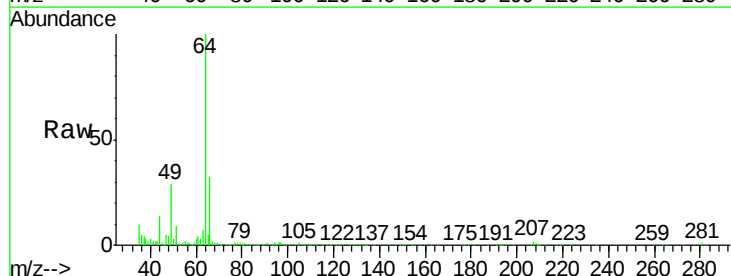
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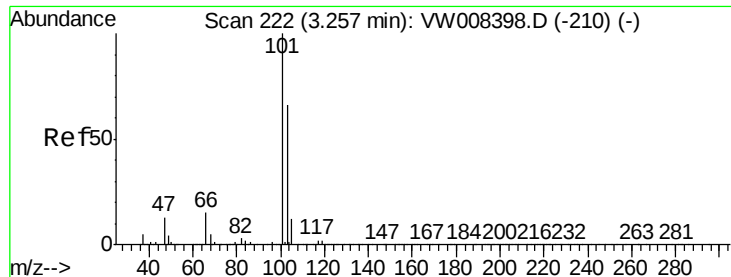
Tgt Ion: 64 Resp: 197463

Ion Ratio Lower Upper

64 100

66 31.6 24.9 37.3





#7

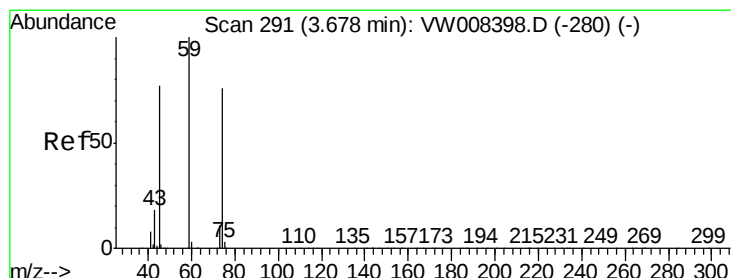
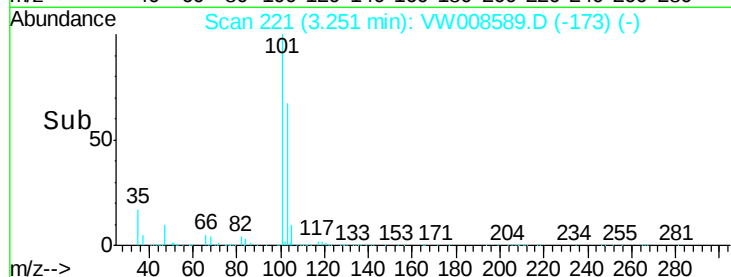
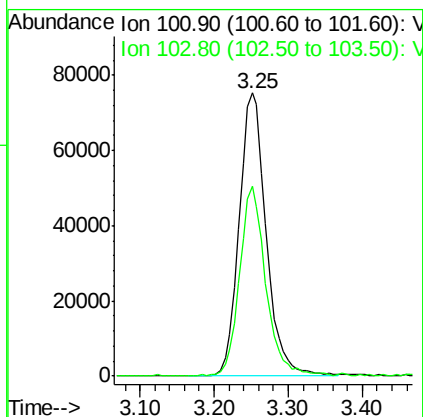
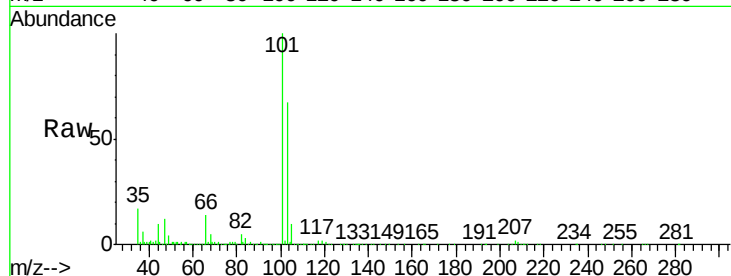
Trichlorofluoromethane
Concen: 45.461 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008589.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.5	78.7

Manual Integrations
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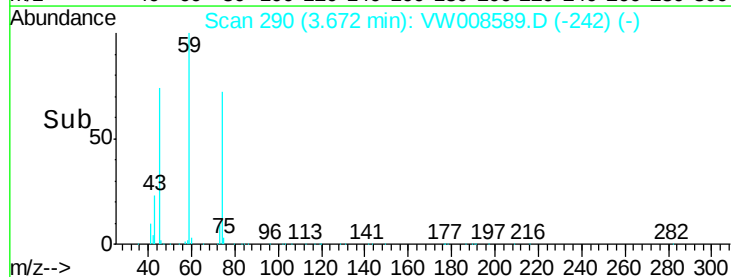
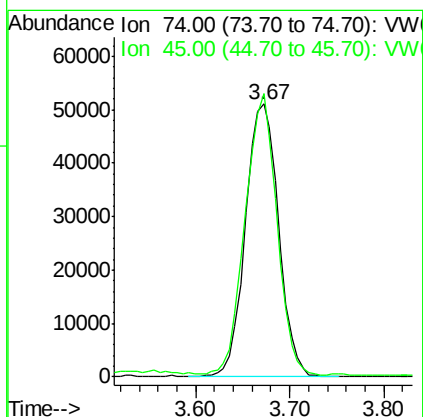
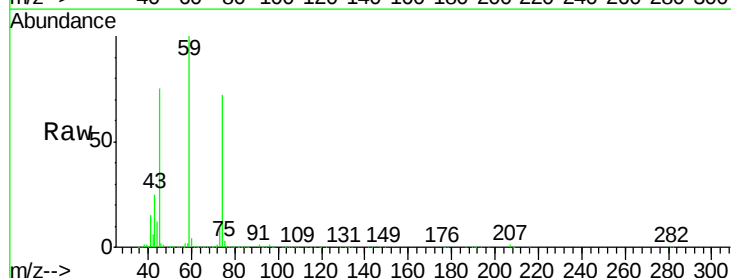
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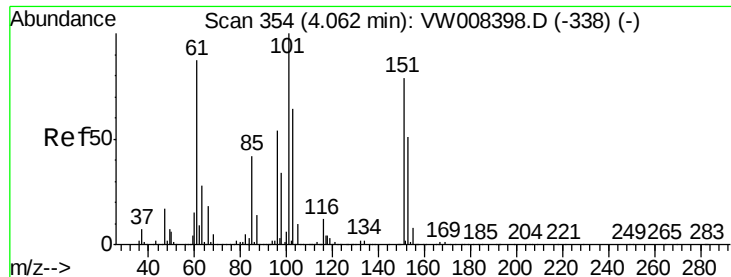


#8

Diethyl Ether
Concen: 53.264 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.113 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

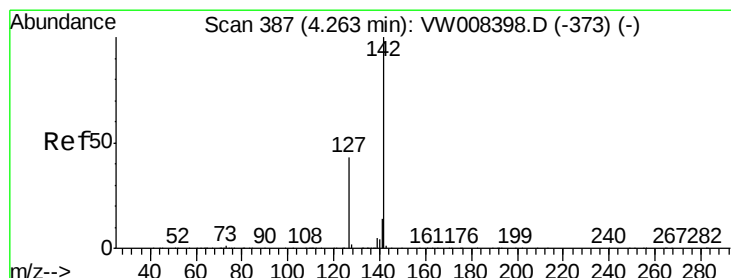
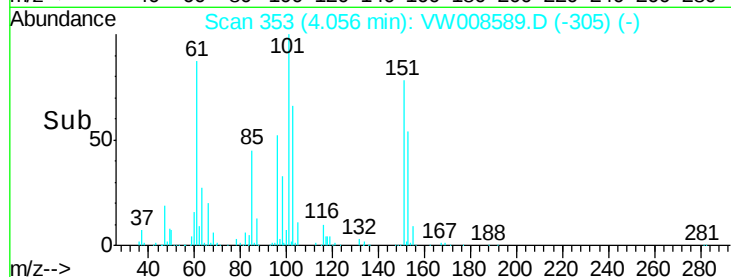
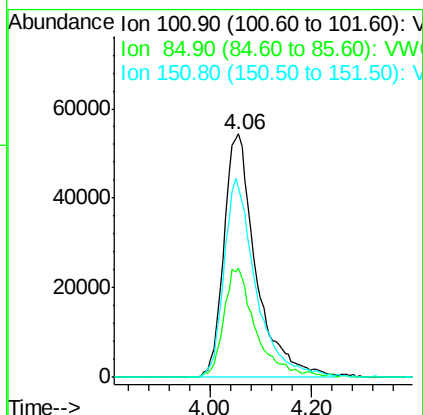
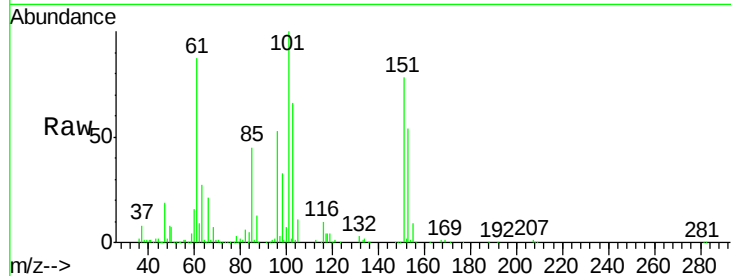
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	238318
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.4
151	81.2	62.6	94.0

Manual Integrations
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2/12/2019 1:42:44 PM



#10

Methyl Iodide

Concen: 53.470 ug/l

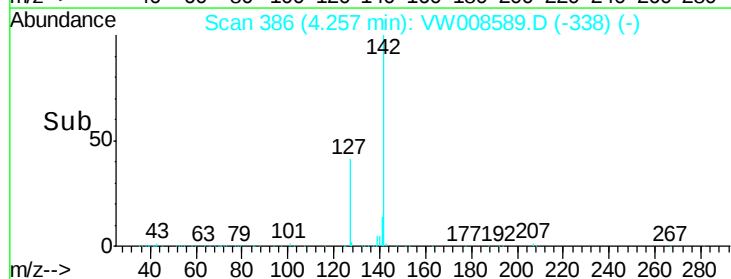
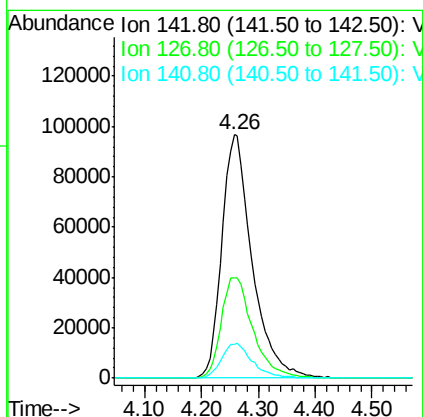
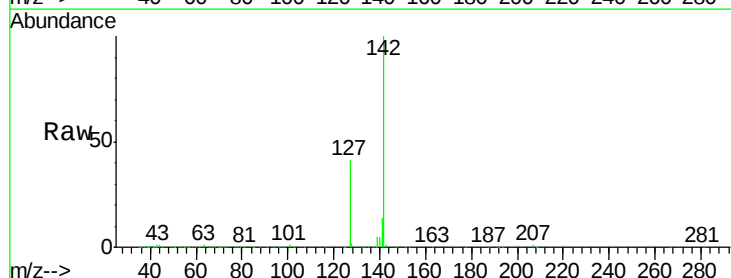
RT: 4.26 min Scan# 386

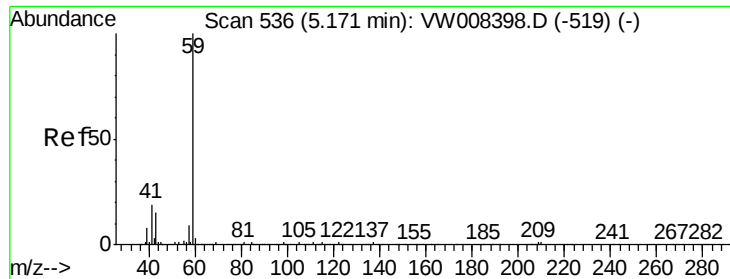
Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	142	Resp:	358702
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.6	52.0
141	14.5	11.4	17.2





#11

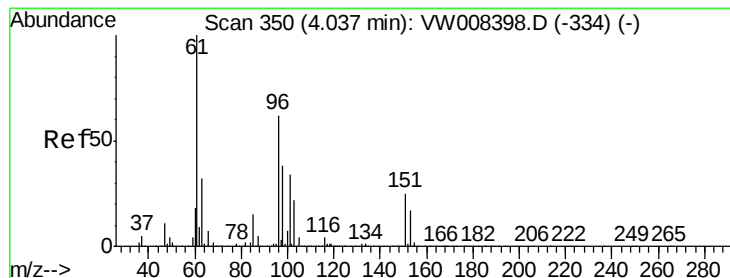
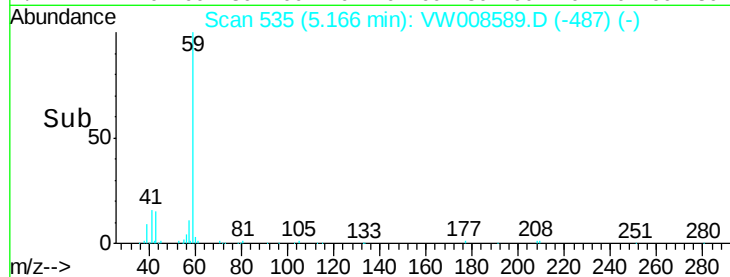
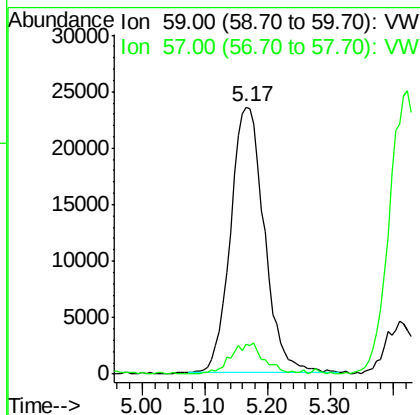
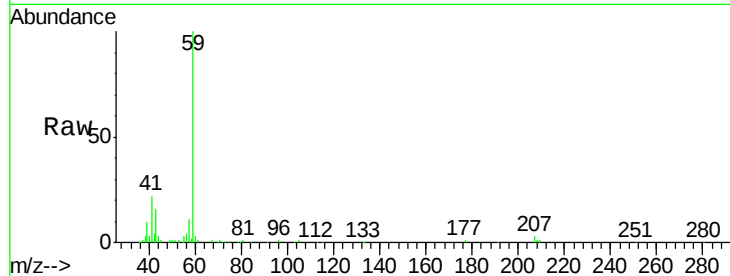
Tert butyl alcohol
Concen: 236.413 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.3	13.9

Manual Integrations
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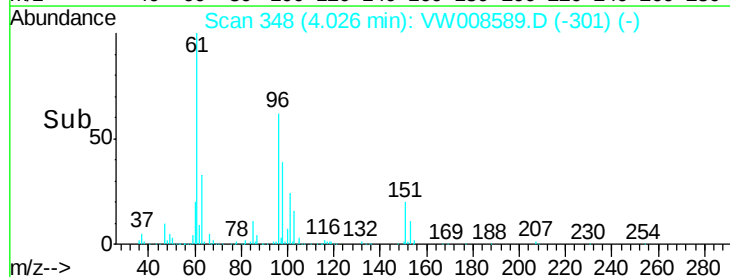
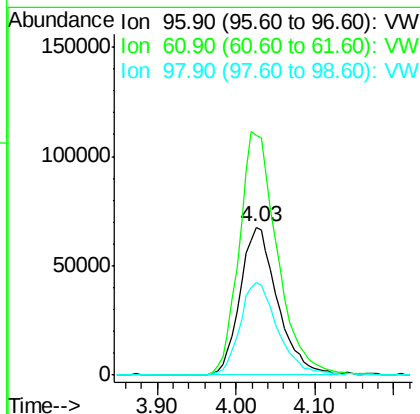
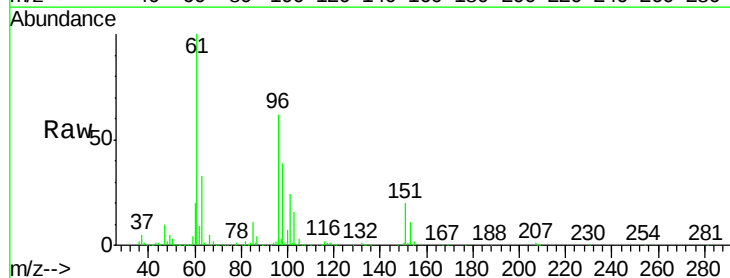
MMDadoda
2/12/2019 1:42:44 PM

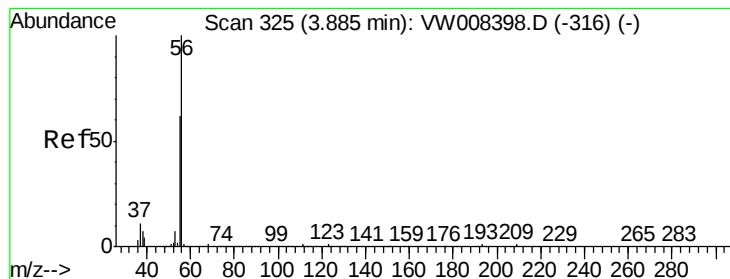


#12

1,1-Dichloroethene
Concen: 51.738 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	129.5	194.3
98	62.9	48.6	73.0





#13

Acrolein

Concen: 226.352 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 74042

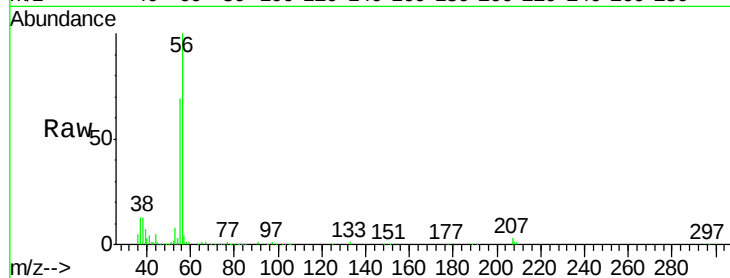
Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1

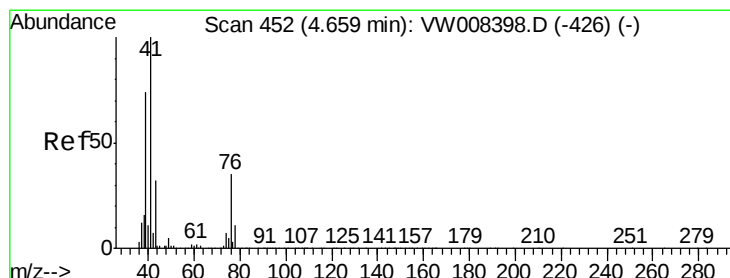
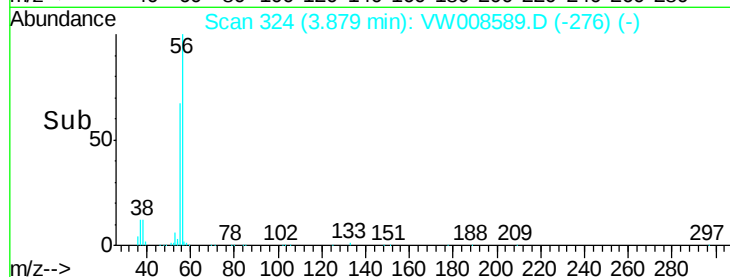
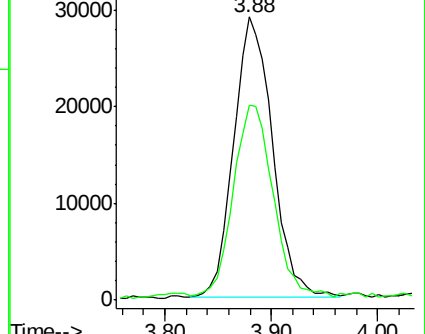
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 49.815 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

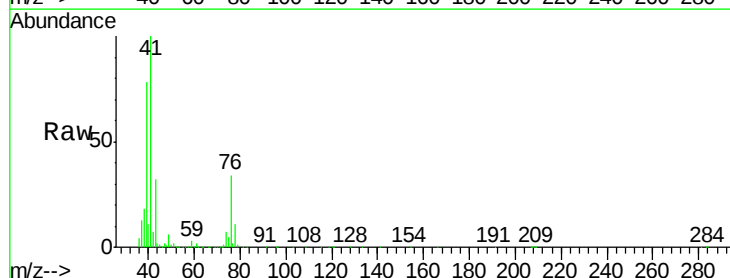
Tgt Ion: 41 Resp: 406576

Ion Ratio Lower Upper

41 100

39 77.9 57.7 86.5

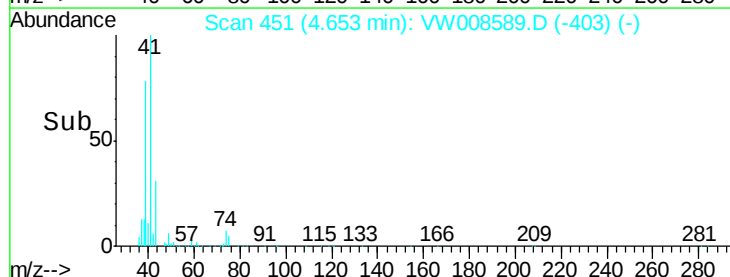
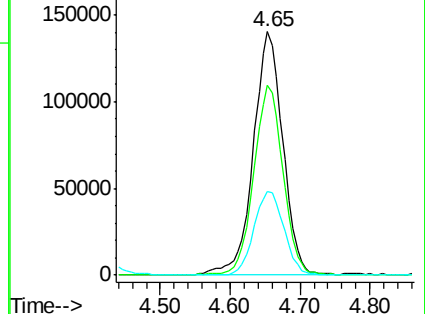
76 35.3 26.9 40.3

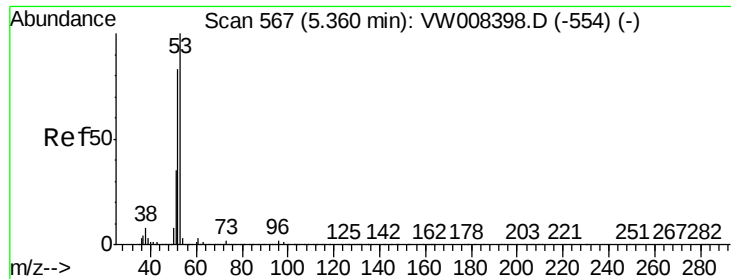


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 254.899 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

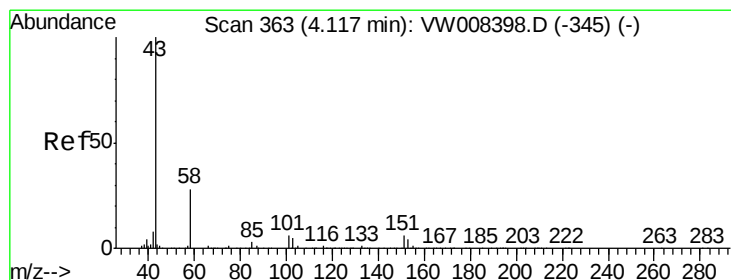
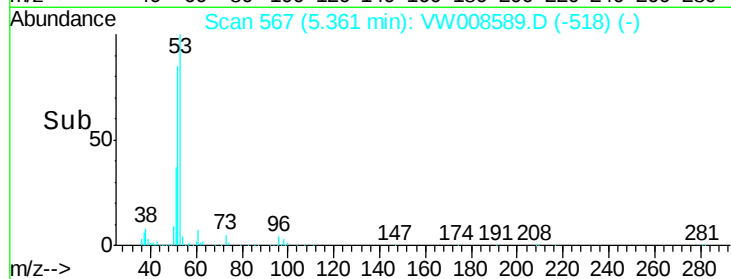
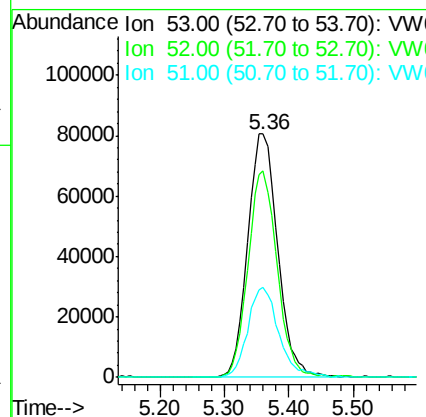
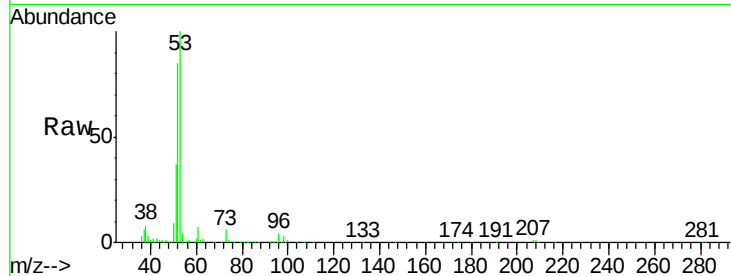
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	257754
Ion Ratio	Lower	Upper	
53	100		
52	81.9	67.0	100.4
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 254.783 ug/l

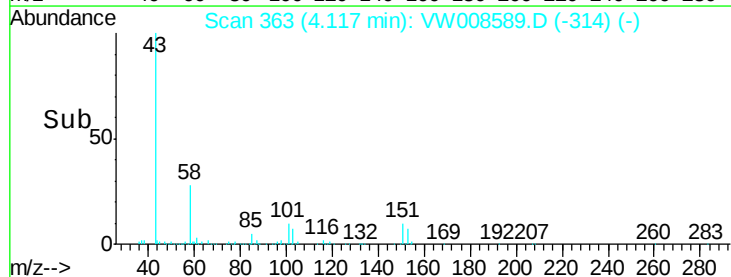
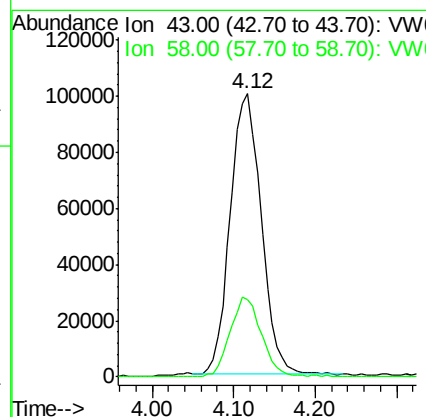
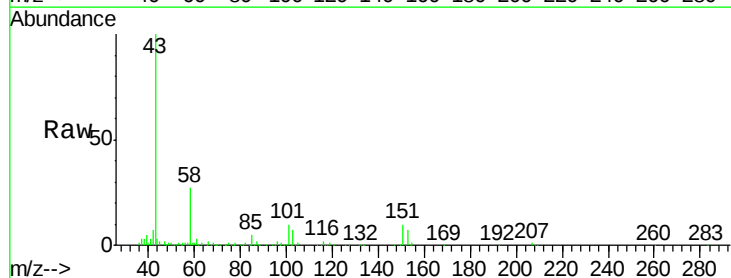
RT: 4.12 min Scan# 363

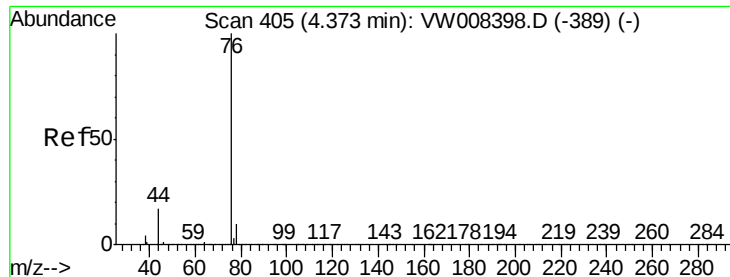
Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	43	Resp:	263944
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.6	34.0





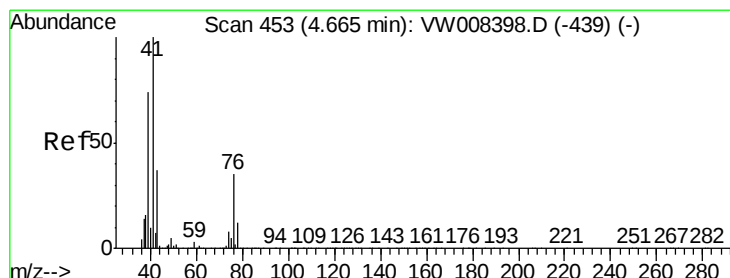
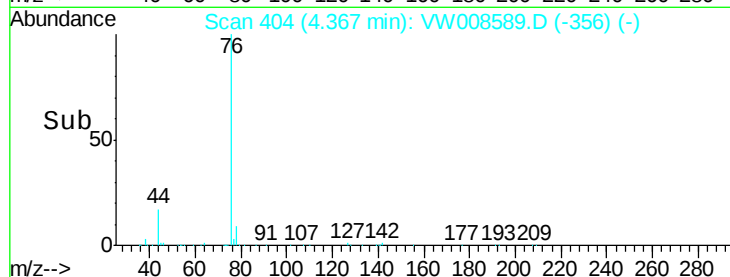
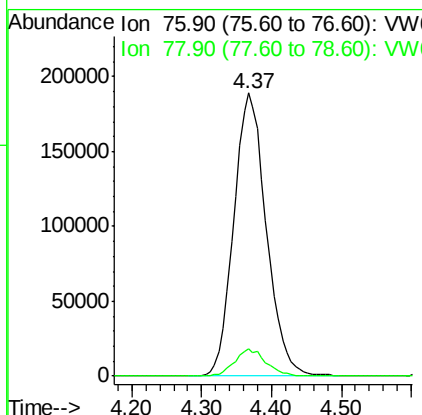
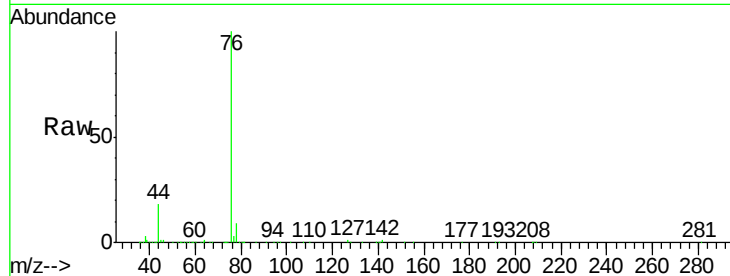
#17
Carbon Disulfide
Concen: 44.418 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.7	11.5

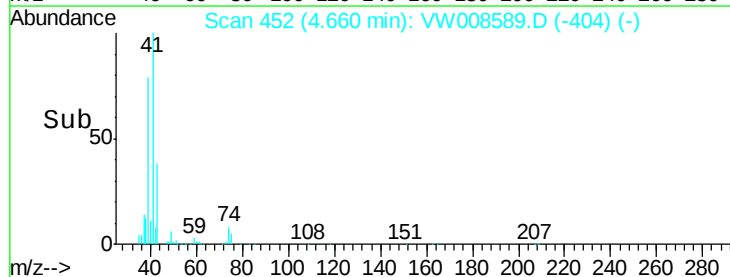
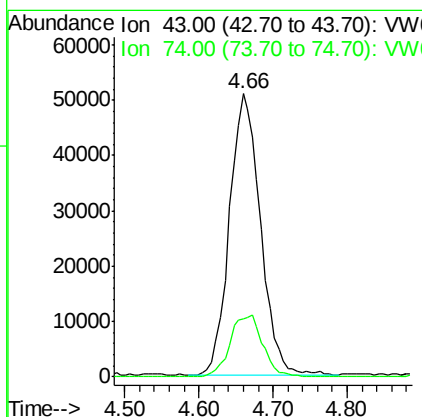
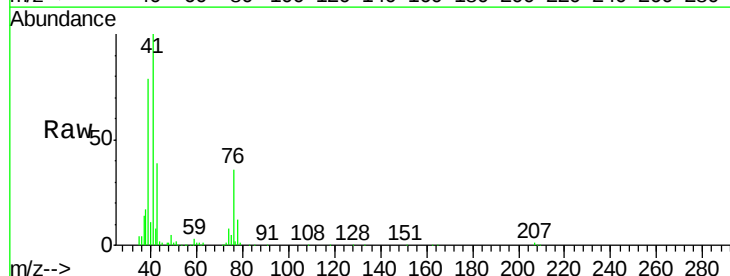
Manual Integrations
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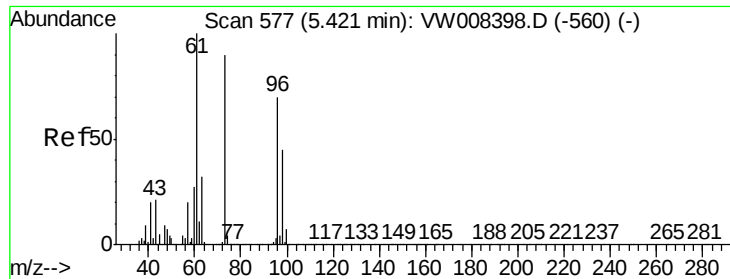
MMDadoda
2/12/2019 1:42:44 PM



#18
Methyl Acetate
Concen: 53.504 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.5	26.3





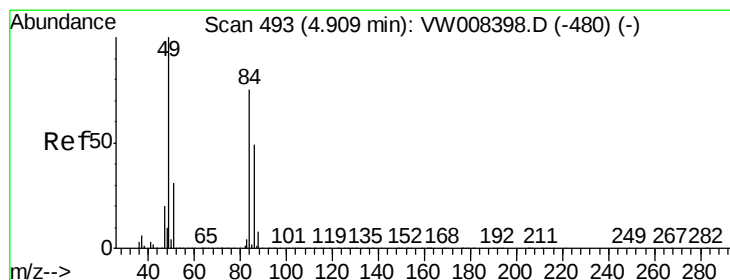
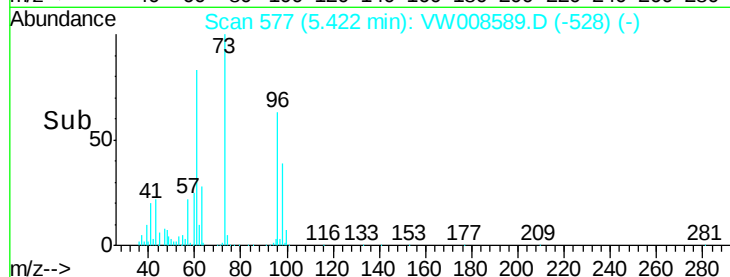
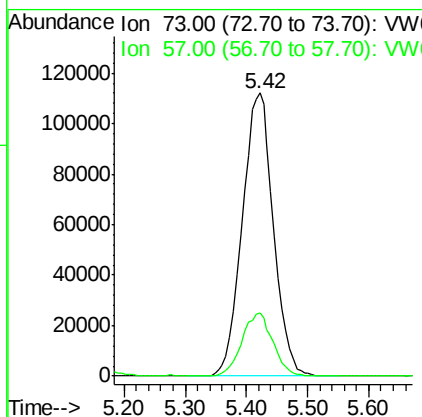
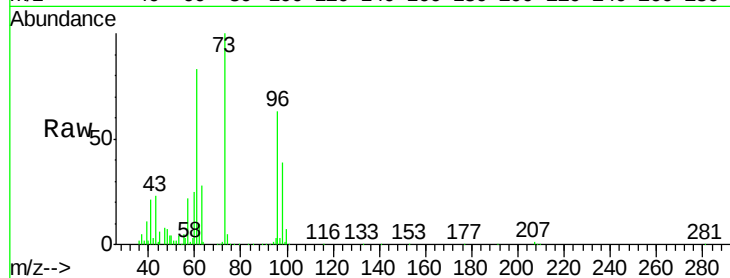
#19
Methvl tert-butvl Ether
Concen: 55.653 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 395776
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

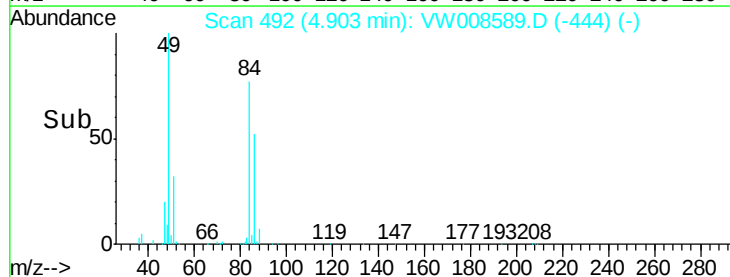
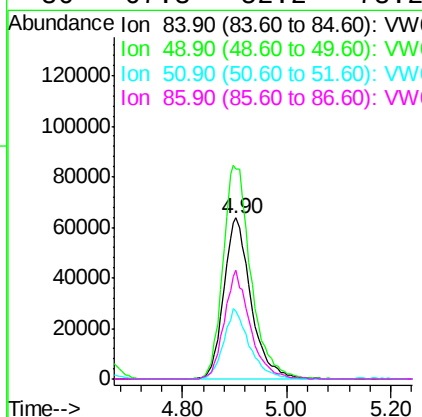
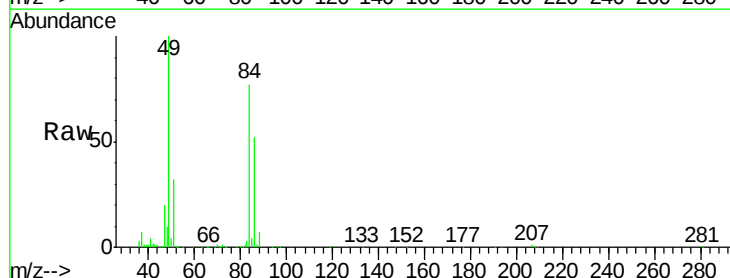
Manual Integrations
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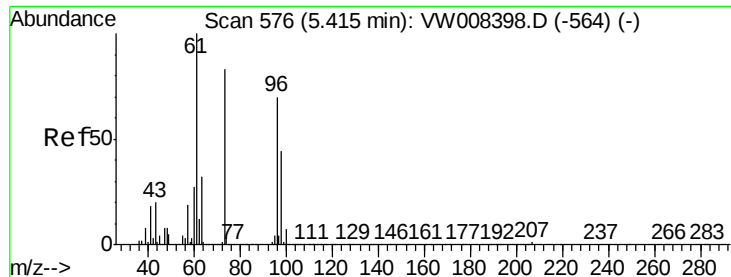
MMDadoda
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#20
Methylene Chloride
Concen: 48.933 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 84 Resp: 233643
Ion Ratio Lower Upper
84 100
49 130.5 106.8 160.2
51 41.7 32.9 49.3
86 67.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.464 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

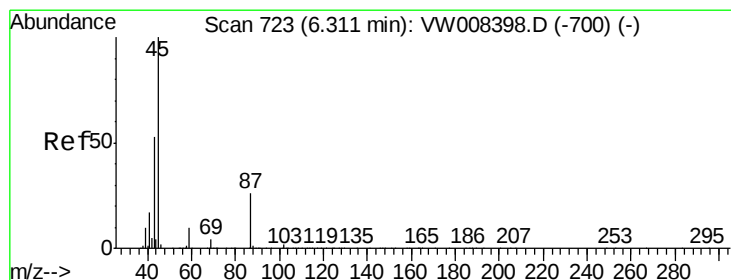
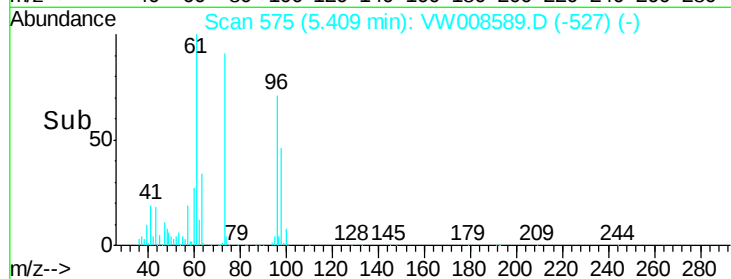
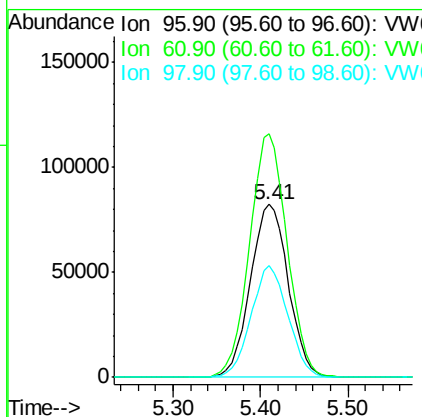
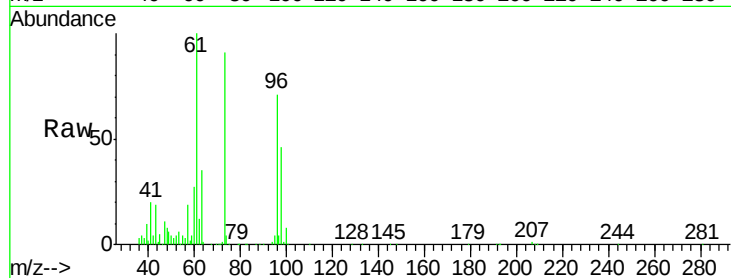
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	248684
Ion	Ratio	Lower	Upper
96	100		
61	140.6	114.4	171.6
98	64.5	50.6	75.8

Manual Integrations
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2/12/2019 1:42:44 PM



#22

Diisopropyl ether

Concen: 51.969 ug/l

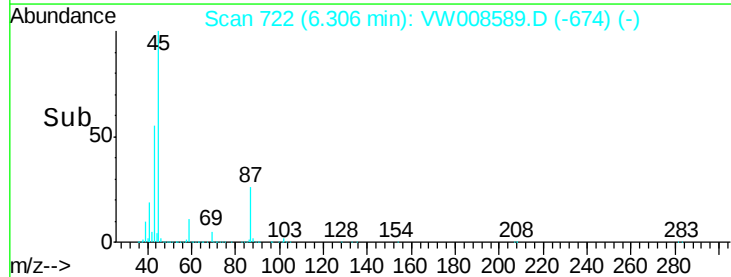
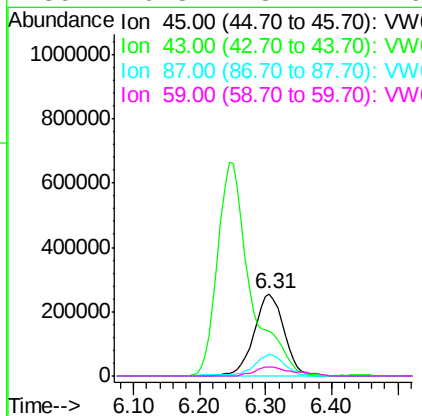
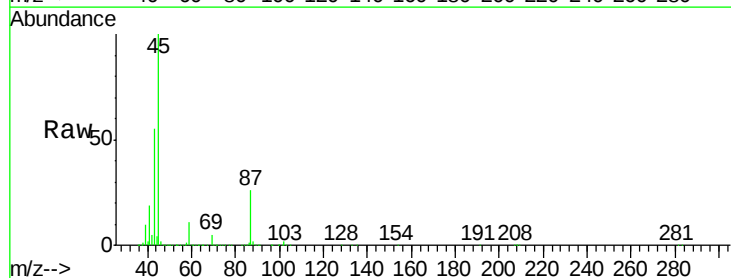
RT: 6.31 min Scan# 722

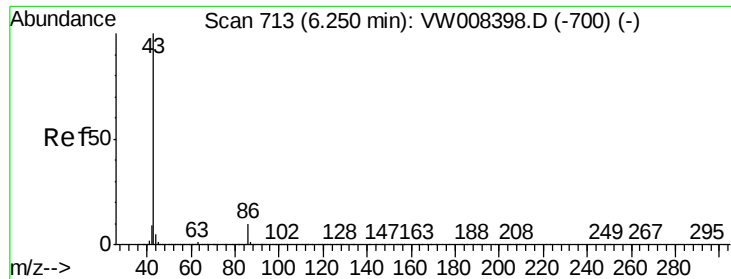
Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	45	Resp:	803876
Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.6	63.8
87	25.8	20.3	30.5
59	10.8	8.4	12.6





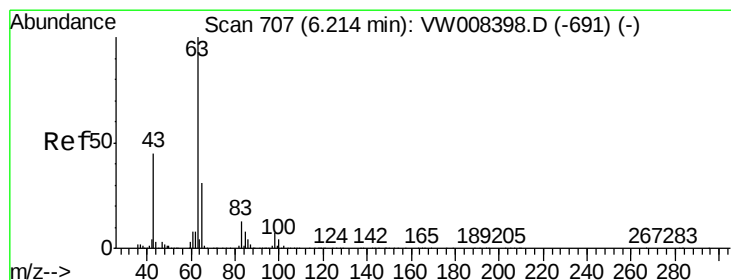
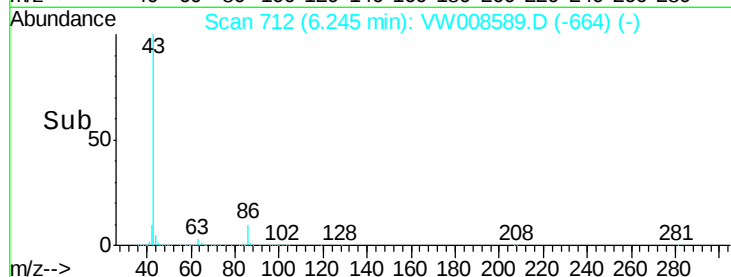
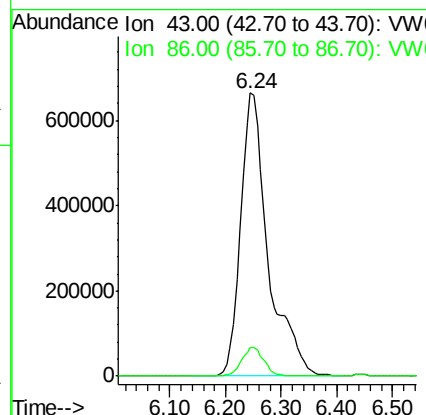
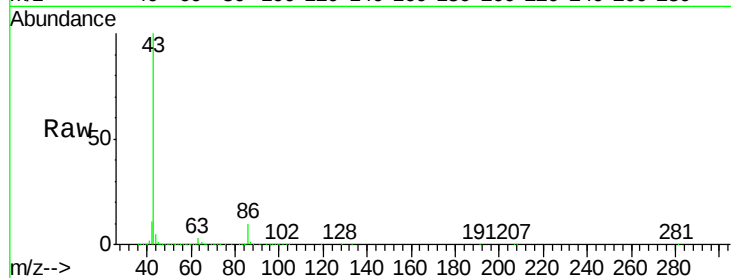
#23
 Vinyl Acetate
 Concen: 249.523 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2279092
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8

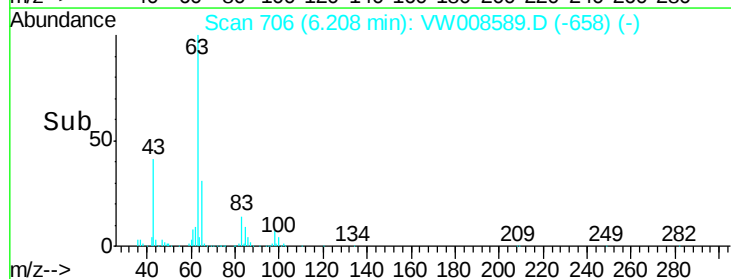
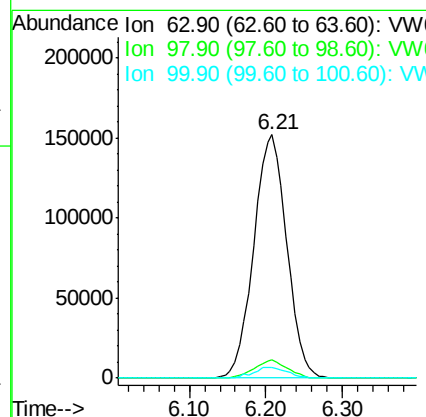
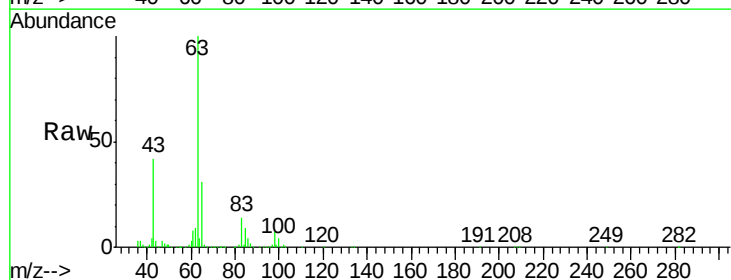
Manual Integrations
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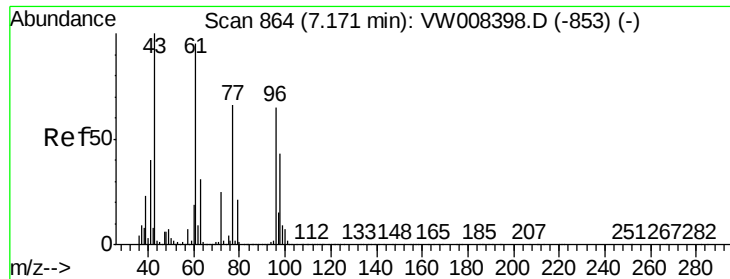
MMDadoda
 2/12/2019 1:42:44 PM



#24
 1,1-Dichloroethane
 Concen: 52.216 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 63 Resp: 457189
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.2 2.1 6.2





#25

2-Butanone

Concen: 250.158 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 359959

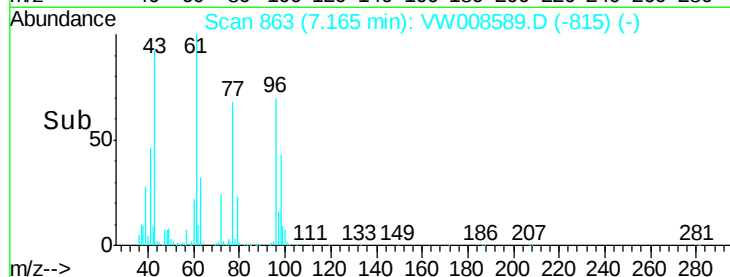
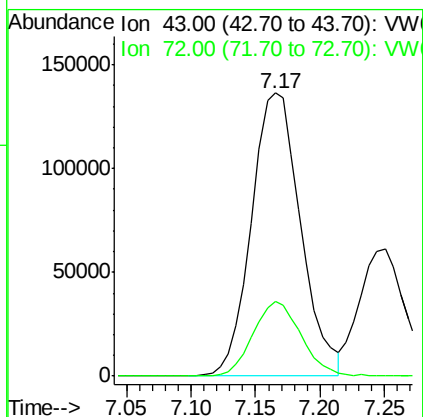
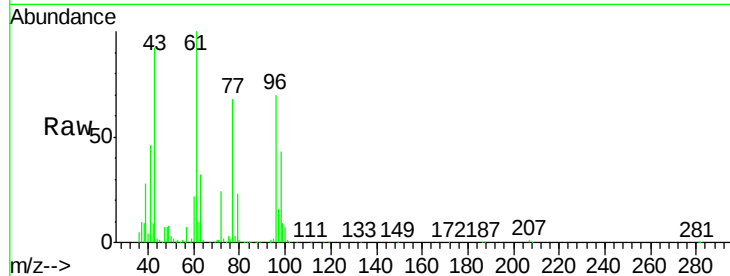
Ion Ratio Lower Upper

43 100

72 26.4 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 54.400 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008589.D

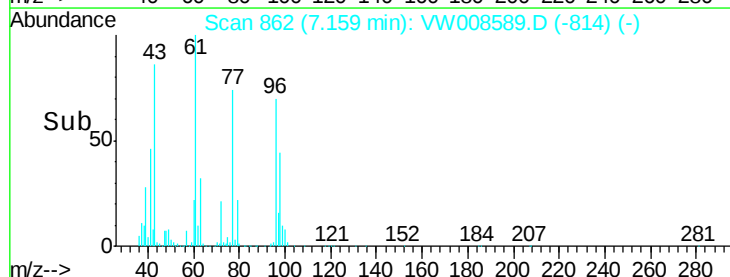
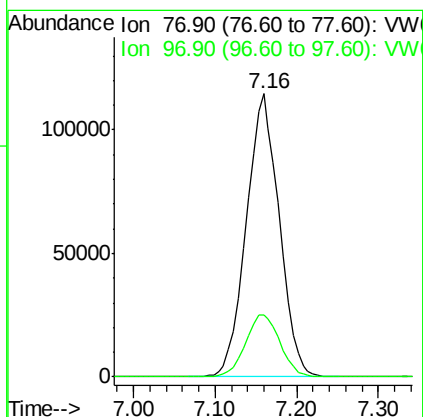
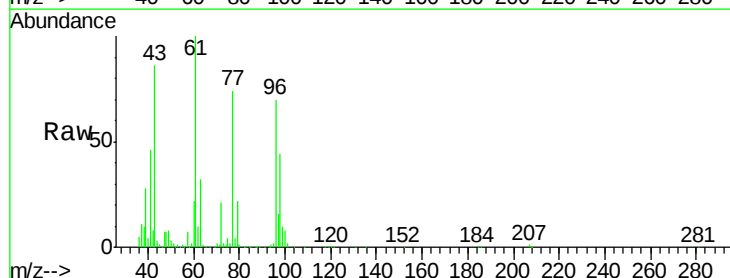
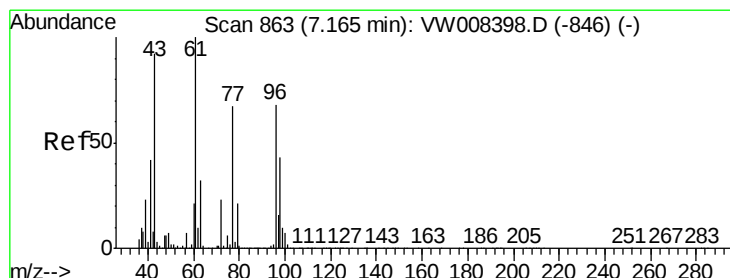
Acq: 11 Feb 2019 11:09

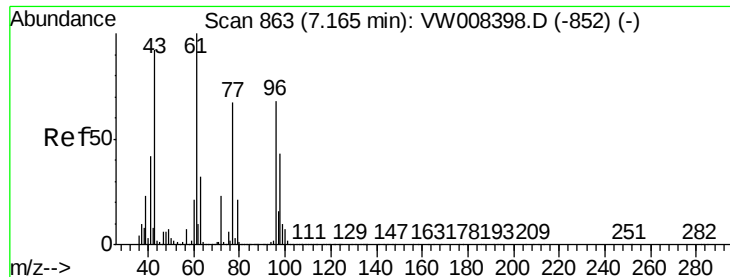
Tgt Ion: 77 Resp: 321961

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

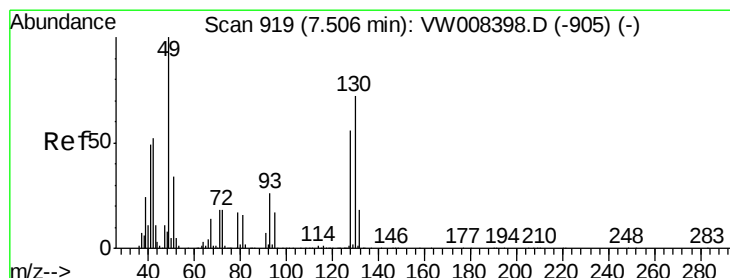
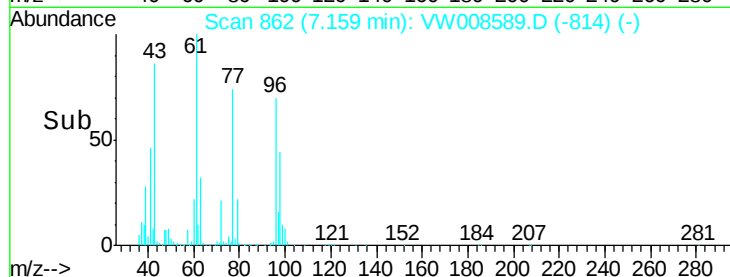
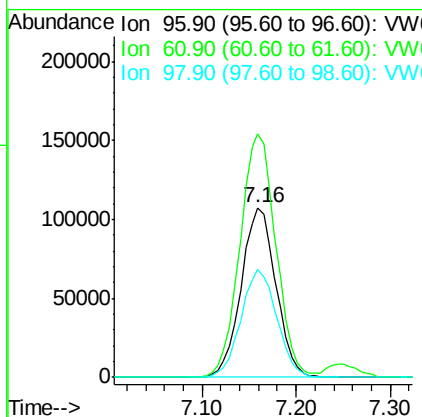
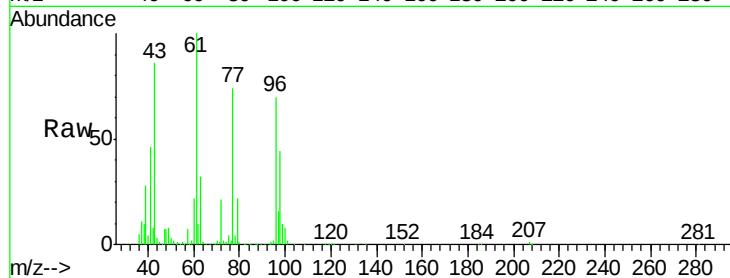
cis-1,2-Dichloroethene
Concen: 52.784 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	277974		
61	147.9	0.0	292.8	
98	65.4	0.0	129.2	

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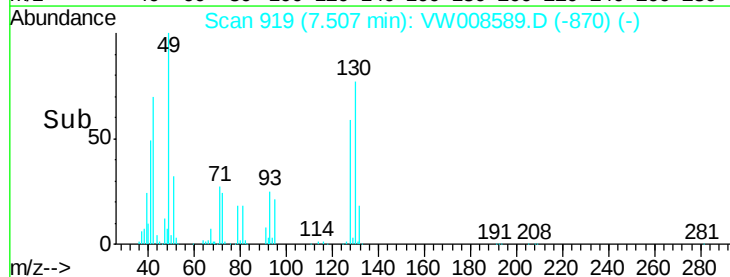
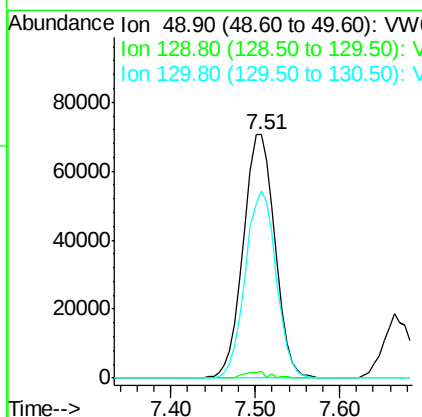
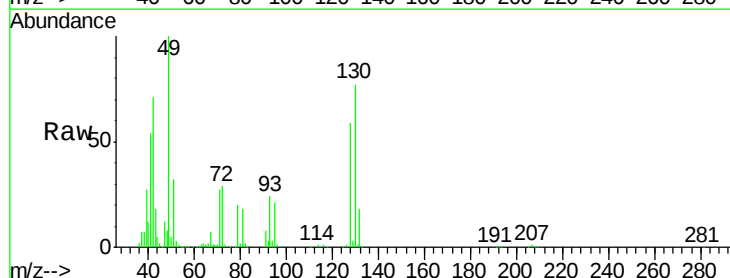
MMDadoda
2/12/2019 1:42:44 PM

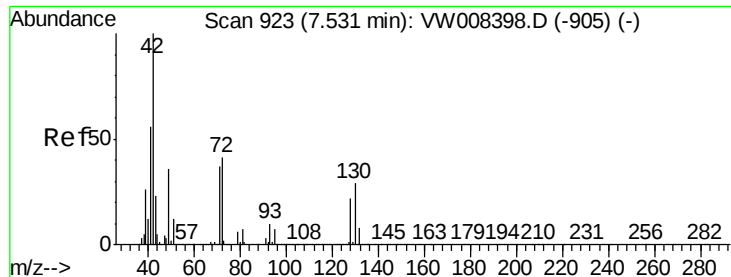


#28

Bromochloromethane
Concen: 44.625 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179461		
129	1.9	0.0	4.6	
130	74.9	58.6	87.8	





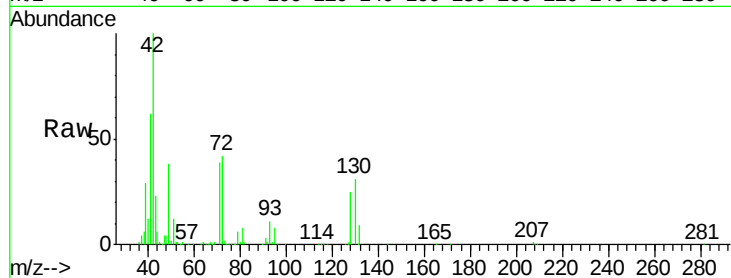
#29
Tetrahydrofuran
Concen: 249.554 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

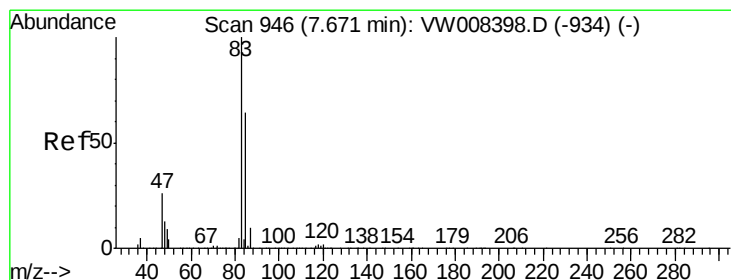
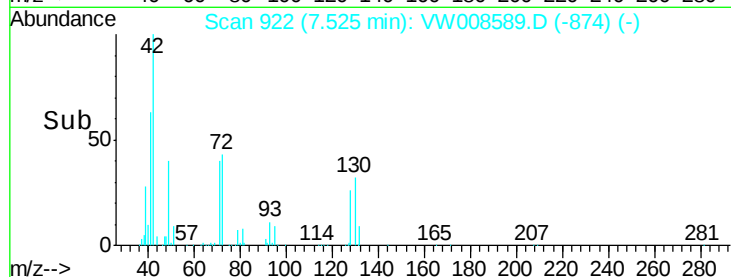
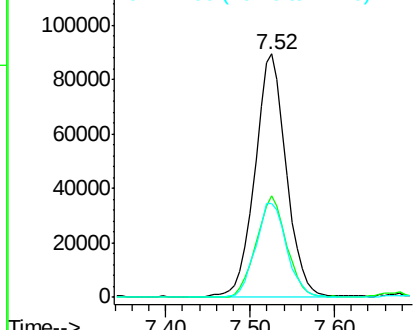
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.9	47.9
71	38.7	29.9	44.9

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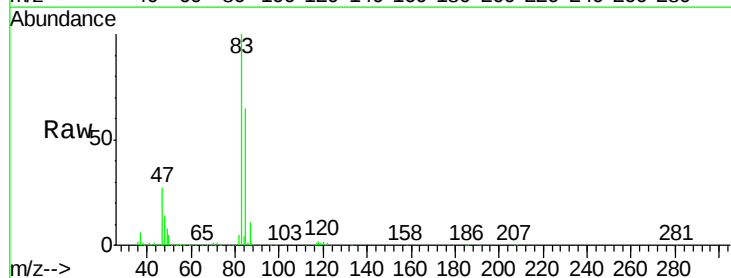


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

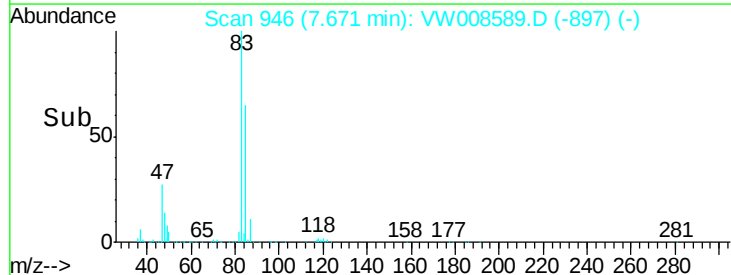
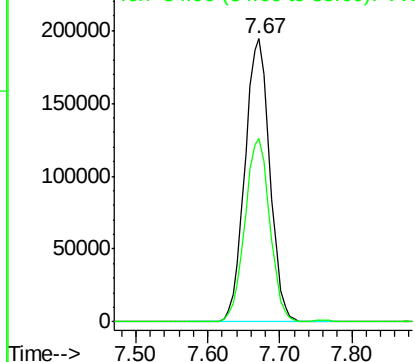


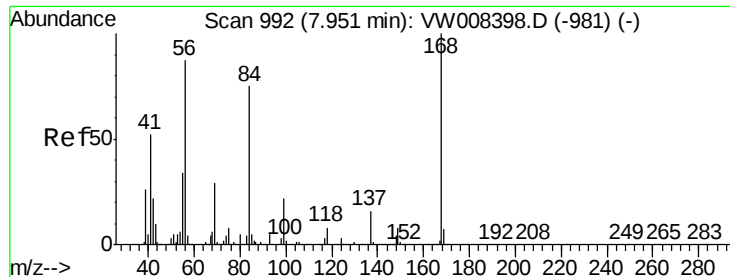
#30
Chloroform
Concen: 54.038 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 45.102 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

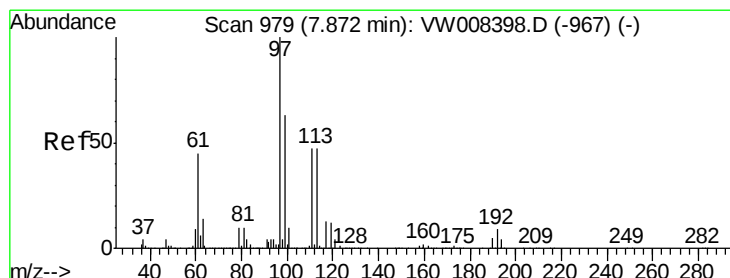
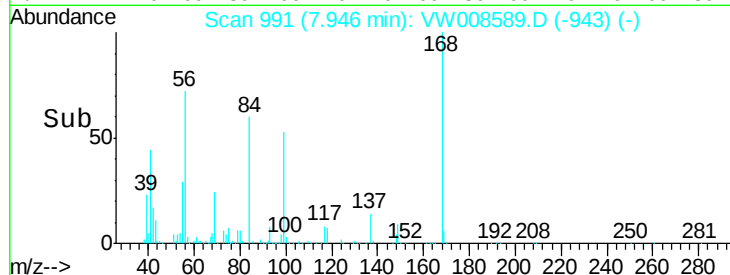
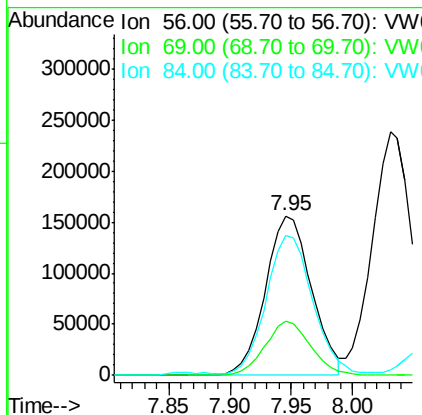
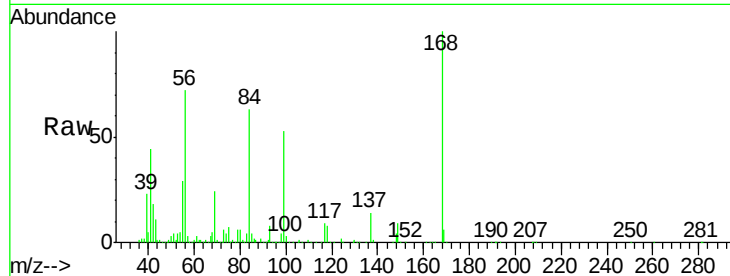
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	408339
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.4	39.6
84	85.7	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.115 ug/l

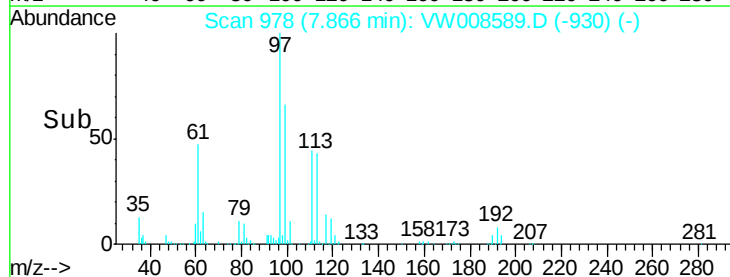
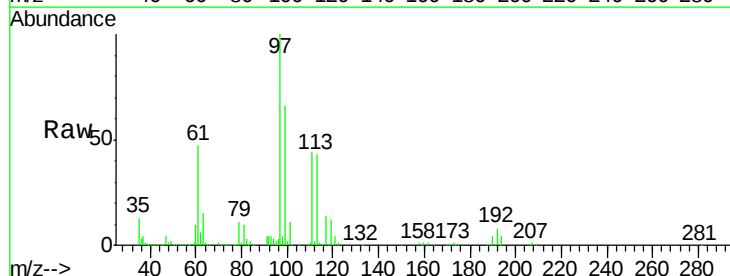
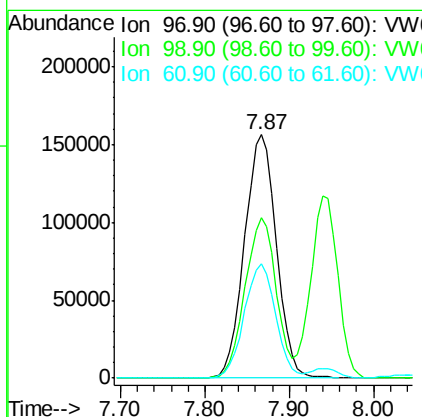
RT: 7.87 min Scan# 978

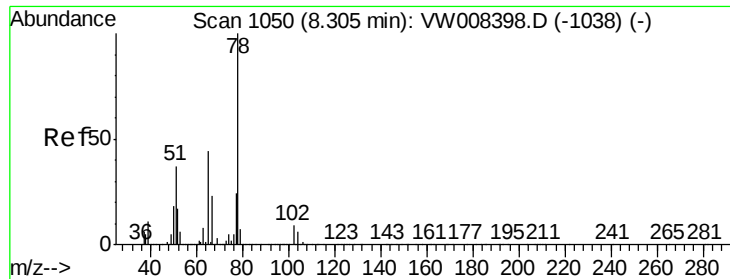
Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	97	Resp:	402538
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	46.3	36.2	54.4





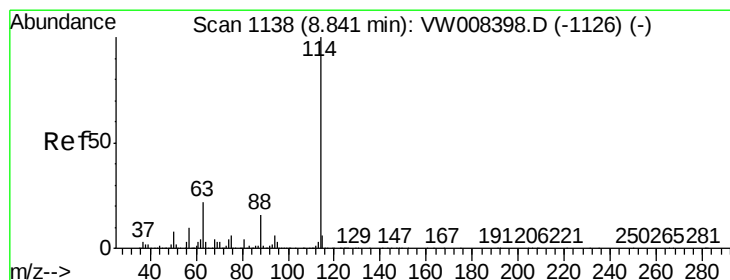
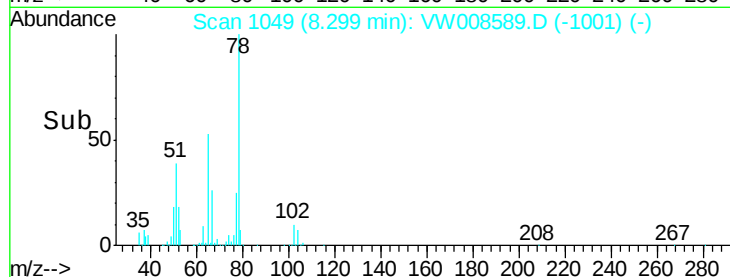
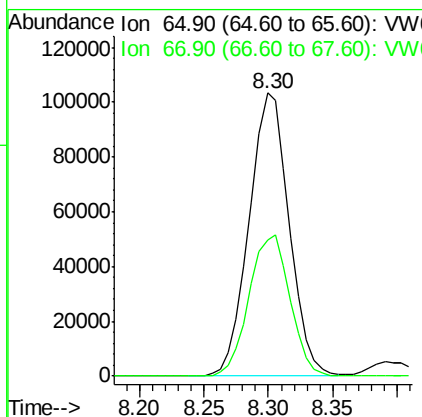
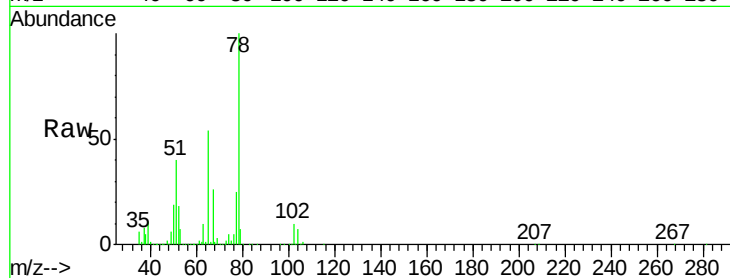
#33
 1,2-Dichloroethane-d4
 Concen: 48.180 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222264		
67	51.2	0.0	104.0	

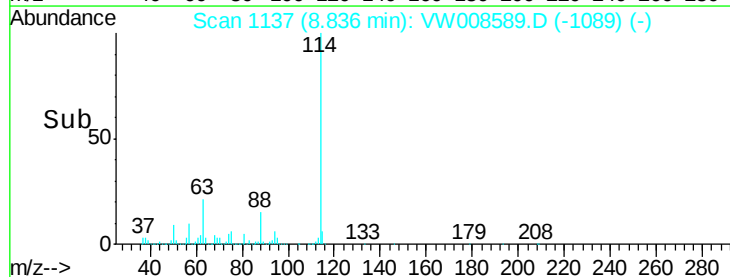
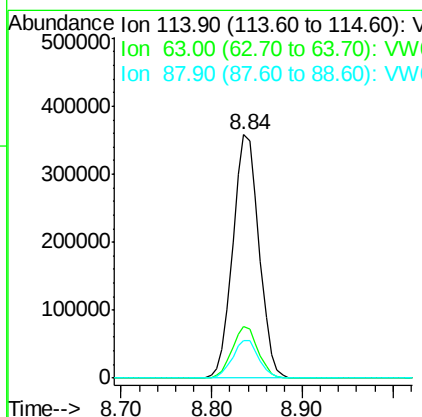
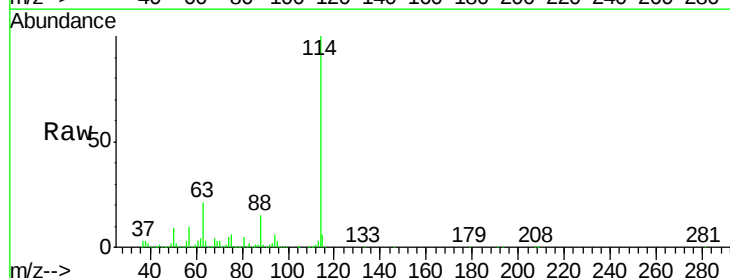
Manual Integrations
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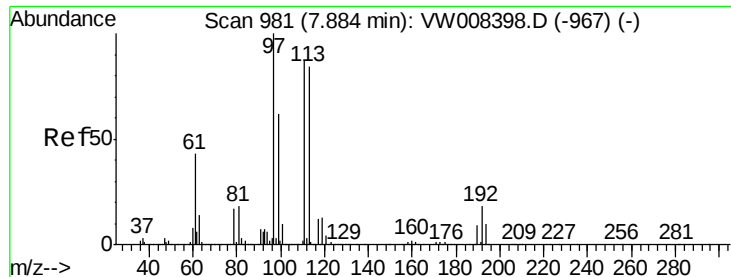
MMDadoda
 2/12/2019 1:42:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	715755		
63	21.3	0.0	43.6	
88	15.2	0.0	31.8	





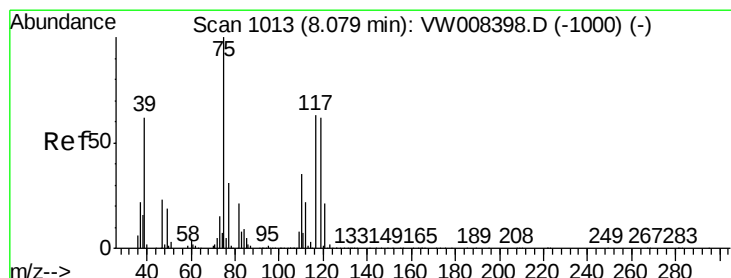
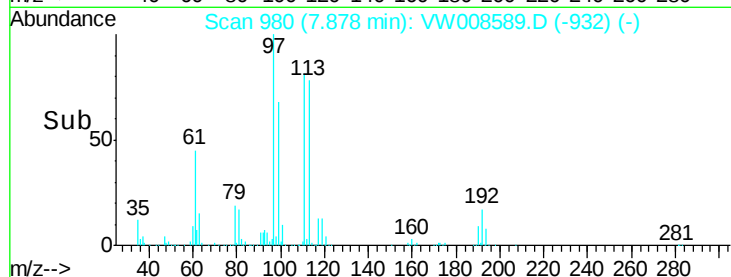
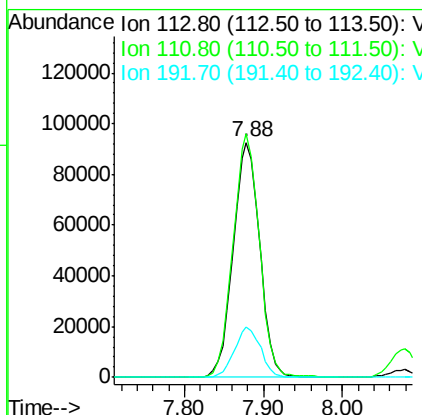
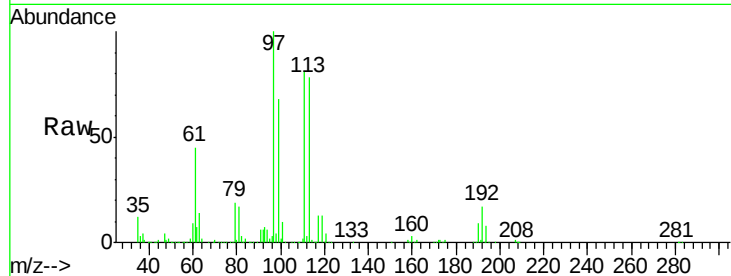
#35
 Dibromofluoromethane
 Concen: 51.641 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.4
192	21.1	16.8	25.2

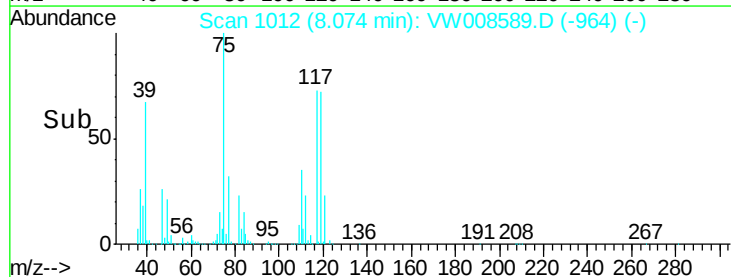
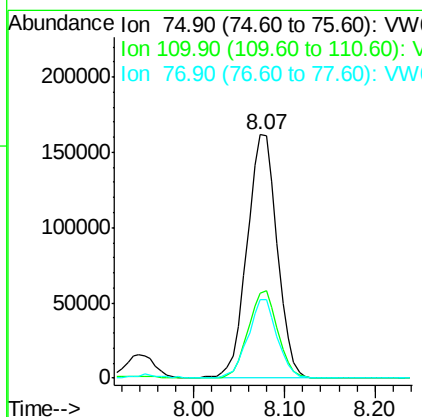
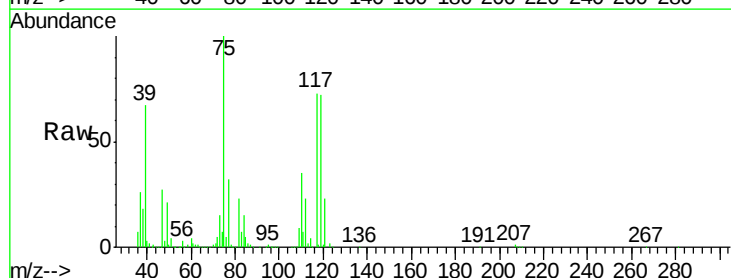
Manual Integrations
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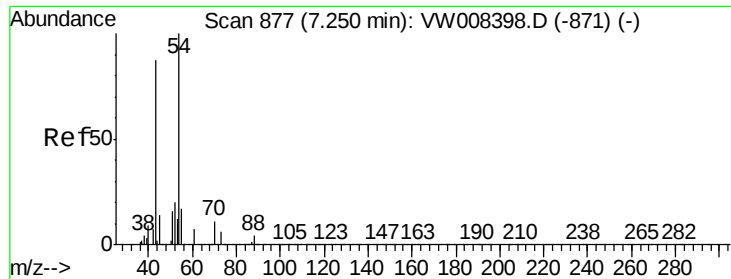
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#36
 1,1-Dichloropropene
 Concen: 54.781 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.3	52.0
77	31.6	24.7	37.1





#37

Ethyl Acetate

Concen: 50.993 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

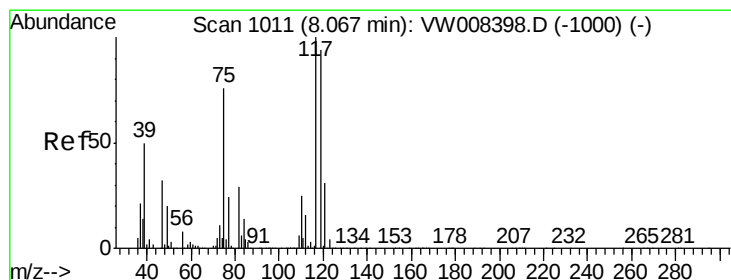
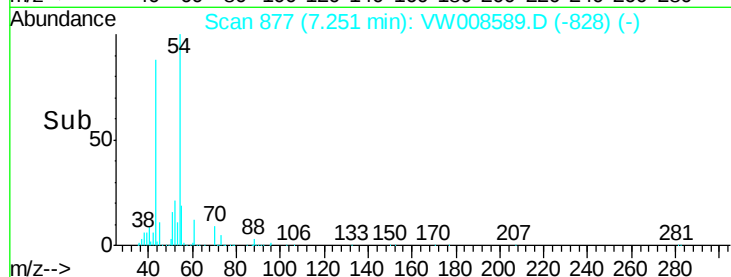
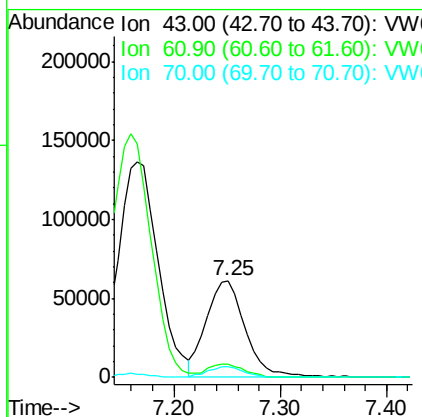
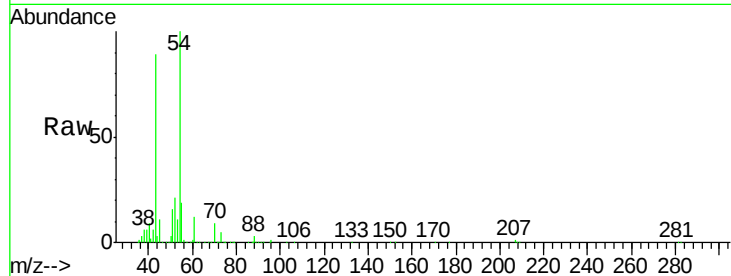
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	152534
Ion Ratio	Lower	Upper	
43	100		
61	13.3	10.1	15.1
70	10.4	7.8	11.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 57.532 ug/l

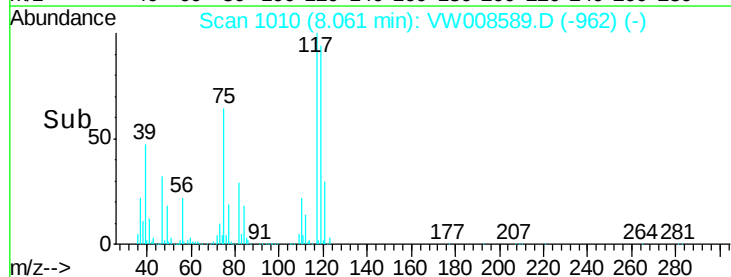
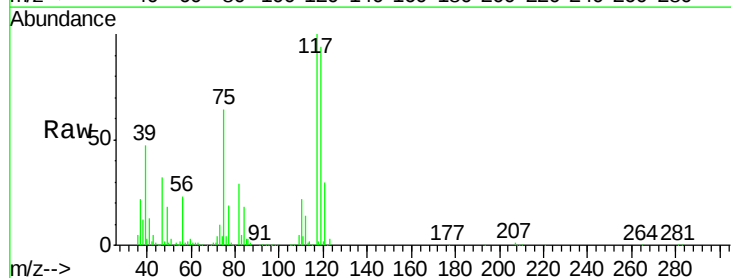
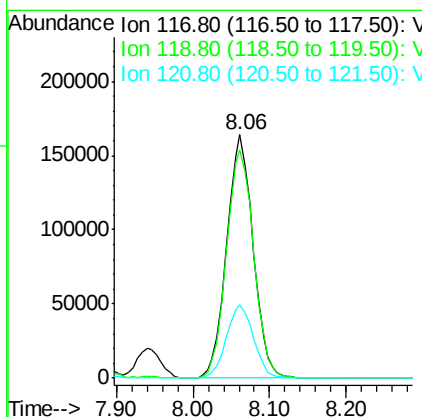
RT: 8.06 min Scan# 1010

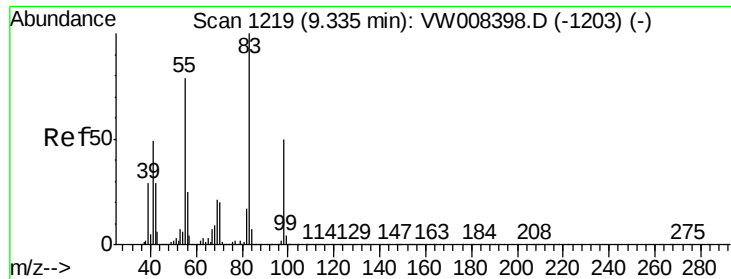
Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	117	Resp:	391425
Ion Ratio	Lower	Upper	
117	100		
119	93.6	75.0	112.4
121	30.3	24.9	37.3





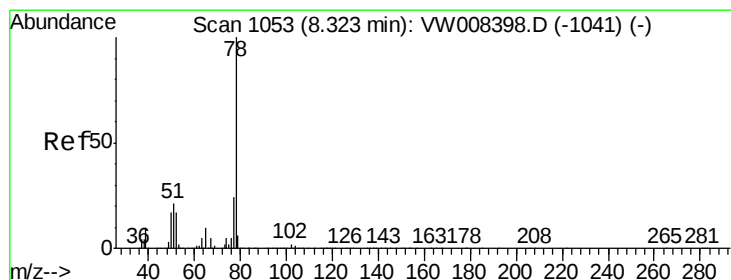
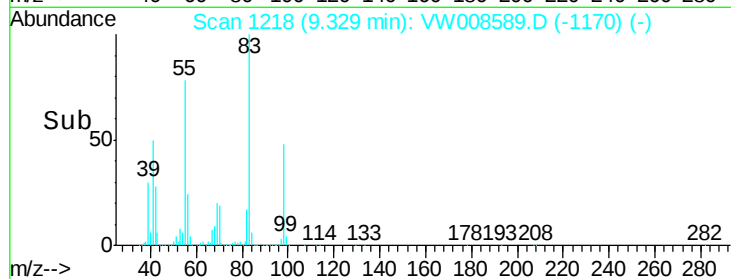
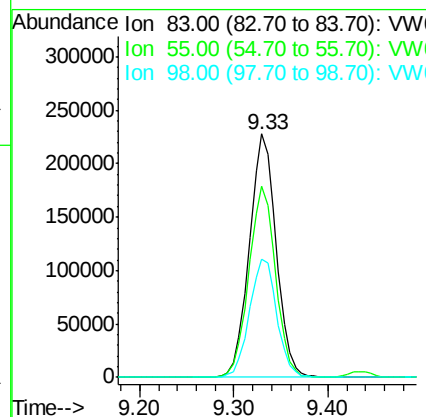
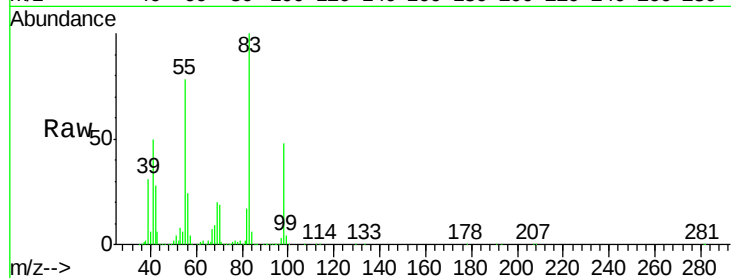
#39
Methvlcvclohexane
Concen: 51.337 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	63.3	94.9
98	48.5	39.7	59.5

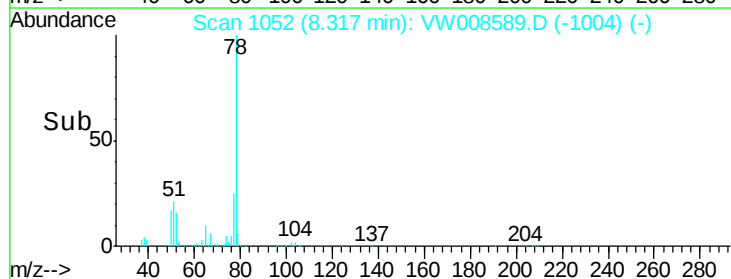
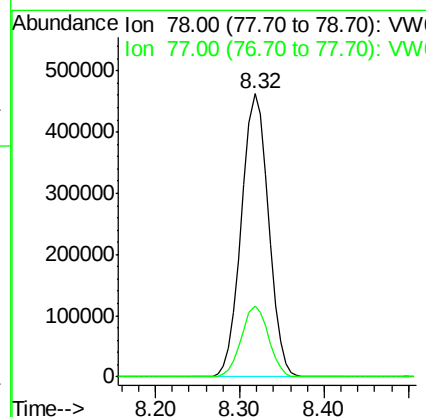
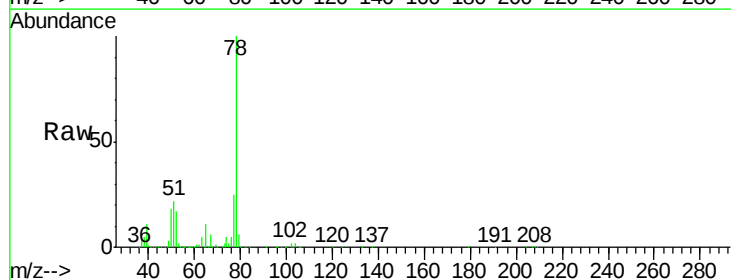
Manual Integrations
APPROVED

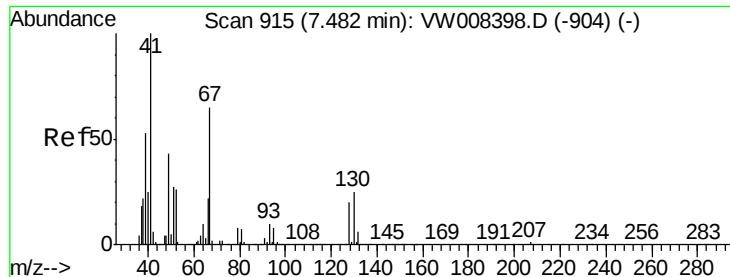
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2/12/2019 1:42:44 PM



#40
Benzene
Concen: 53.488 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





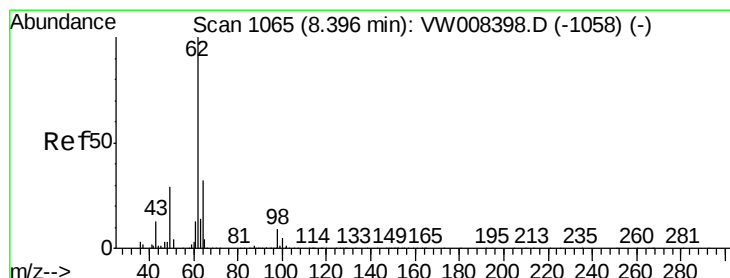
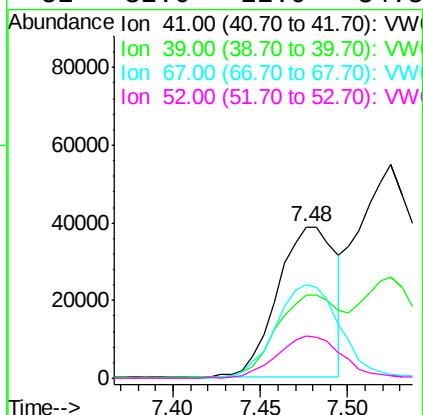
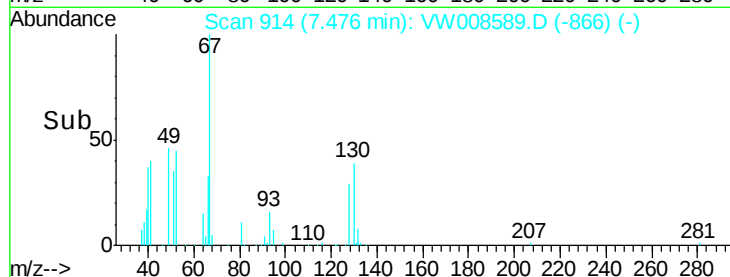
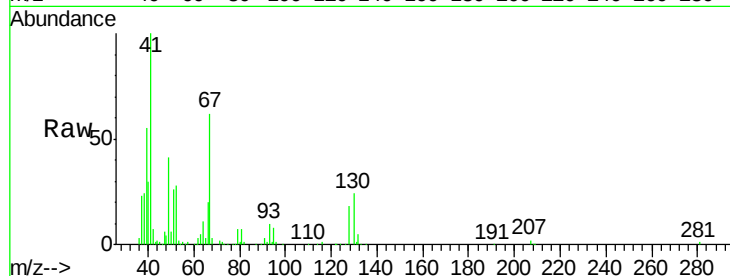
#41
Methacrylonitrile
Concen: 50.868 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		90097		
39	63.0	43.4	65.0		
67	69.9	54.2	81.2		
52	32.0	22.9	34.3		

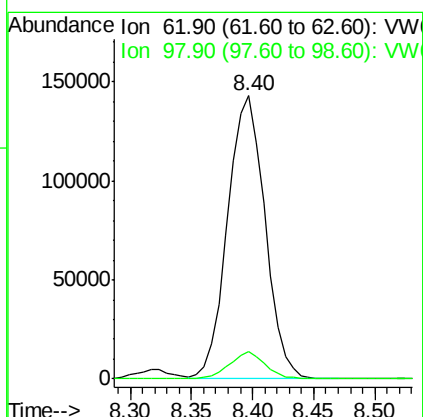
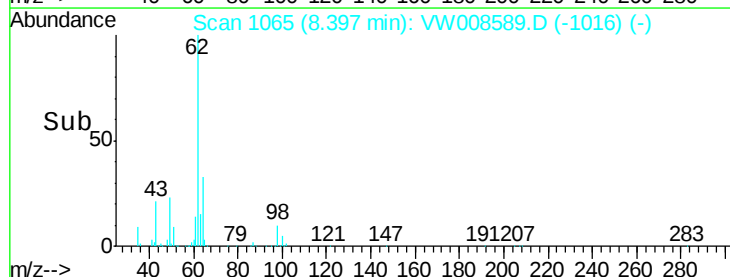
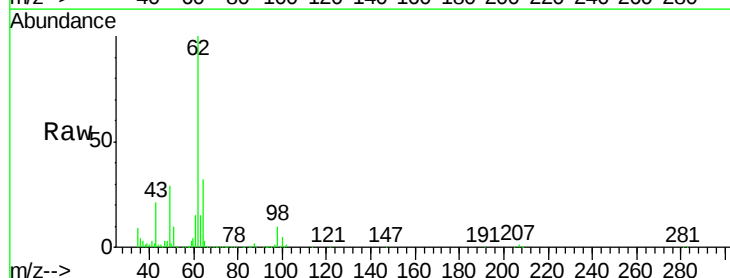
Manual Integrations
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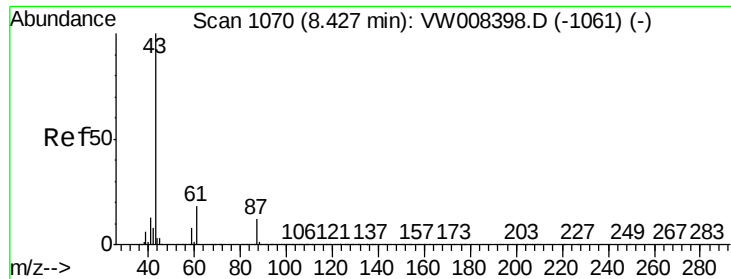
MMDadoda
2/12/2019 1:42:44 PM



#42
1,2-Dichloroethane
Concen: 55.678 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		302718		
98	9.1	0.0	18.6		





#43

Isopropyl Acetate

Concen: 51.743 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

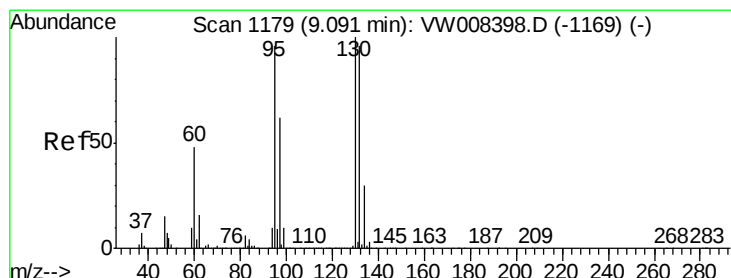
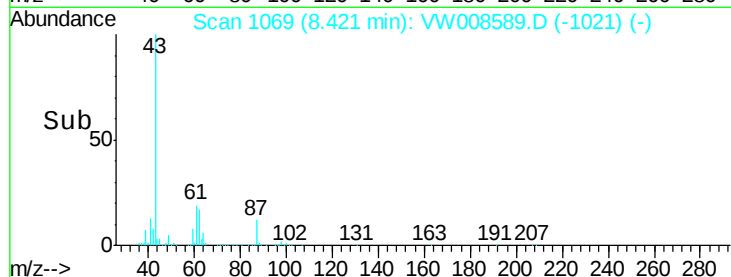
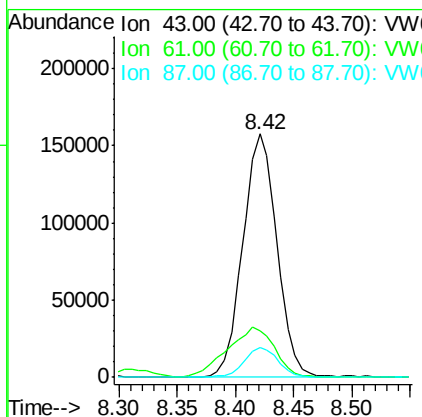
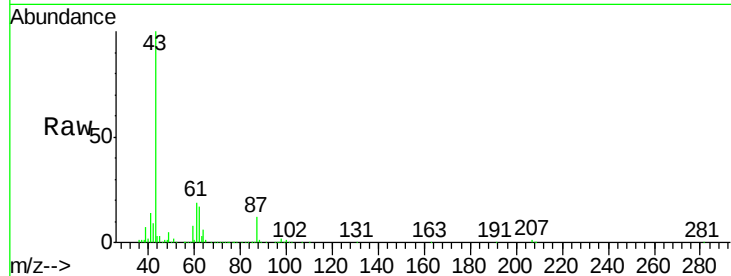
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	321561
Ion Ratio		Lower	Upper
43	100		
61	28.5	22.0	33.0
87	12.4	9.3	13.9

Manual Integrations
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2/12/2019 1:42:44 PM



#44

Trichloroethene

Concen: 55.574 ug/l

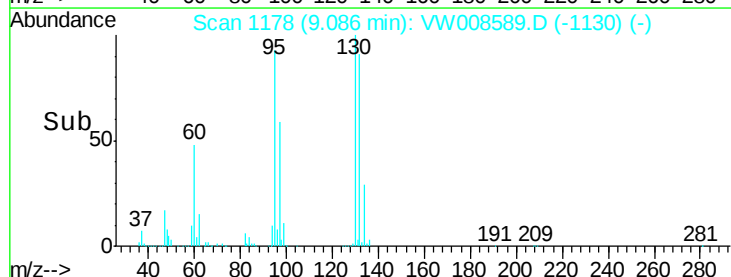
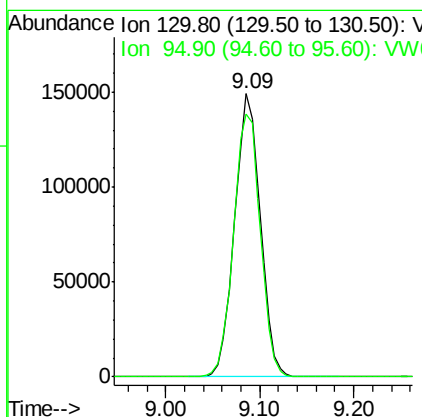
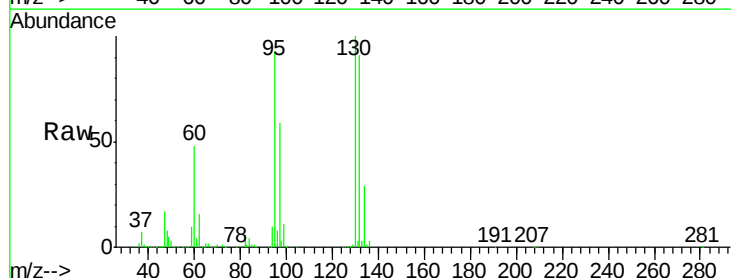
RT: 9.09 min Scan# 1178

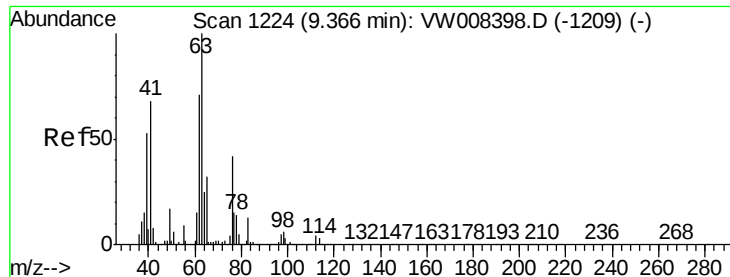
Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	130	Resp:	283526
Ion Ratio		Lower	Upper
130	100		
95	92.7	0.0	191.6





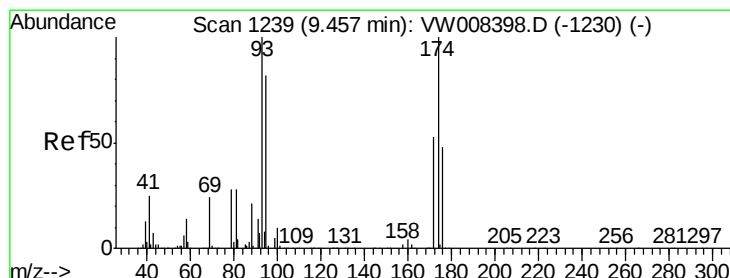
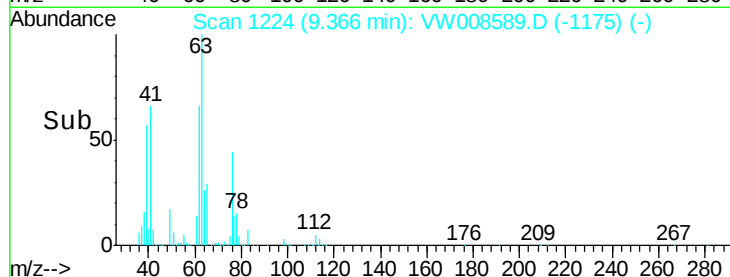
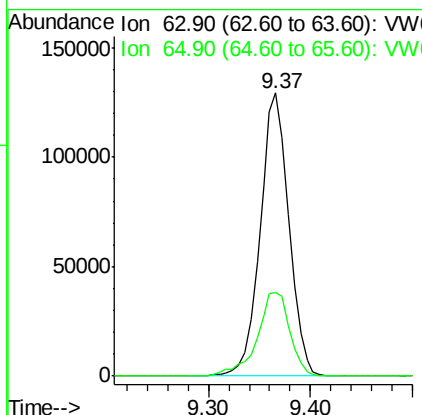
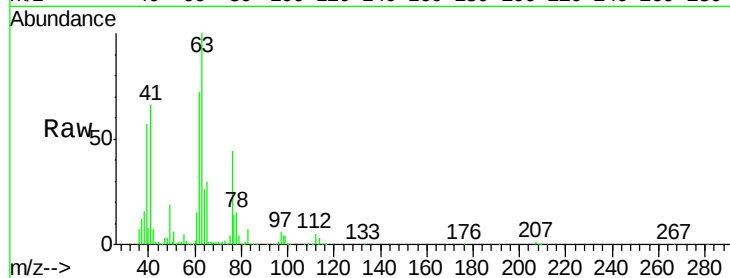
#45
 1,2-Dichloropropane
 Concen: 54.055 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.2	37.8

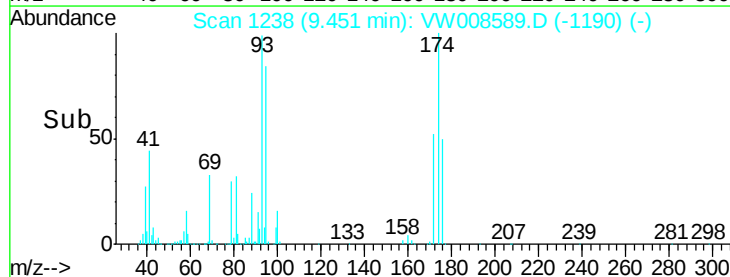
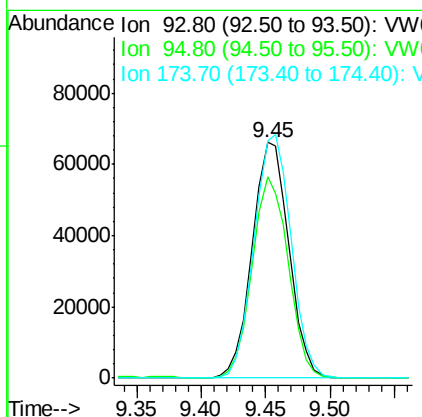
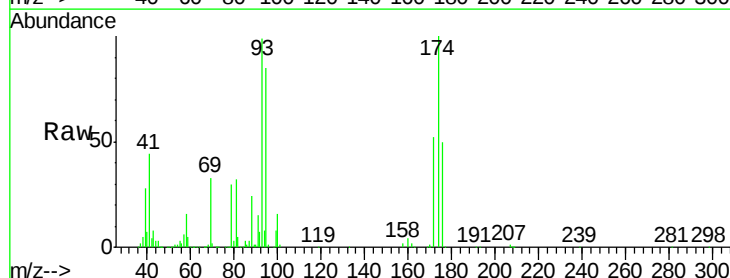
Manual Integrations
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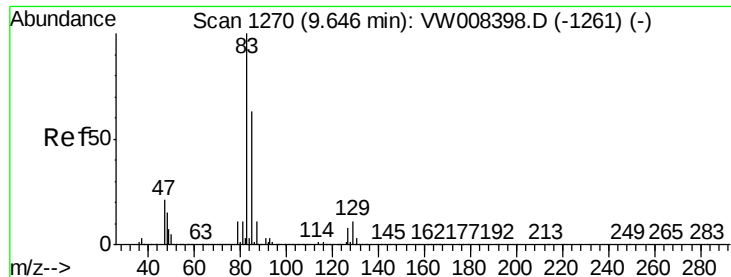
MMDadoda
 2/12/2019 1:42:44 PM



#46
 Dibromomethane
 Concen: 54.204 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.9	98.9
174	104.6	81.0	121.6





#47

Bromodichloromethane

Concen: 55.526 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

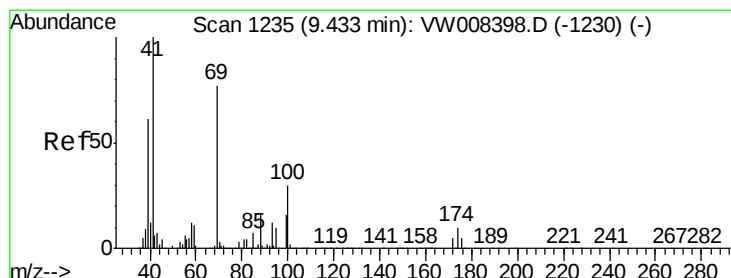
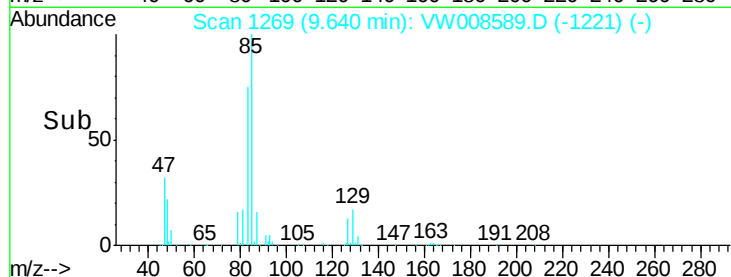
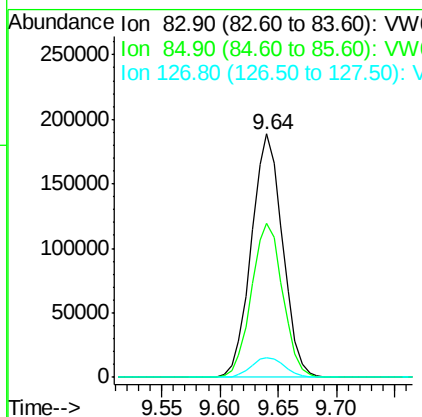
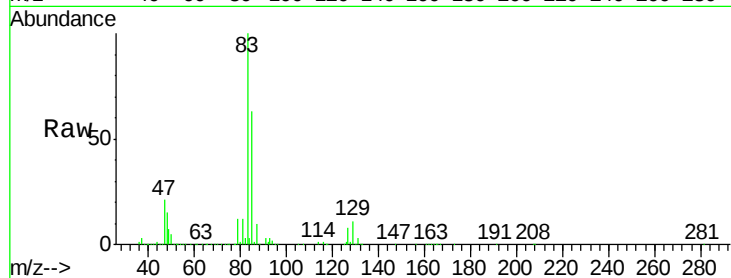
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	353364
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.8	76.2
127	8.0	6.8	10.2

Manual Integrations
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2/12/2019 1:42:44 PM



#48

Methyl methacrylate

Concen: 51.094 ug/l

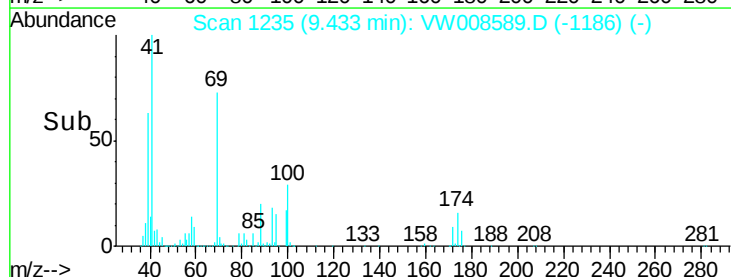
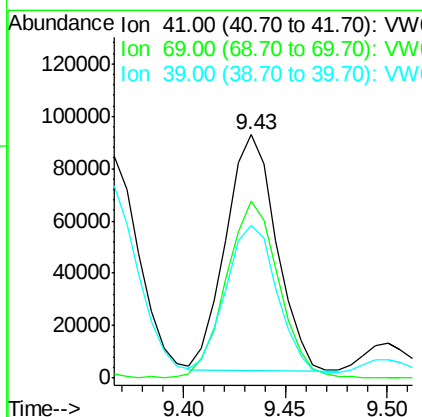
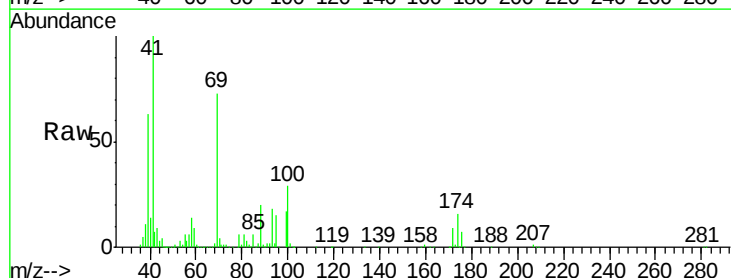
RT: 9.43 min Scan# 1235

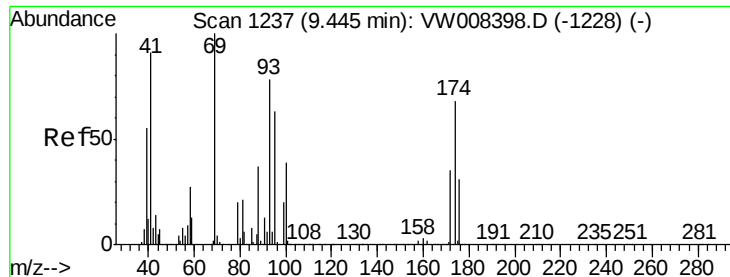
Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	41	Resp:	155259
Ion Ratio	Lower	Upper	
41	100		
69	77.6	64.8	97.2
39	68.0	49.1	73.7





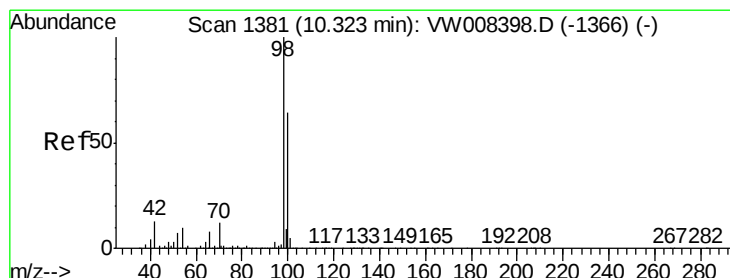
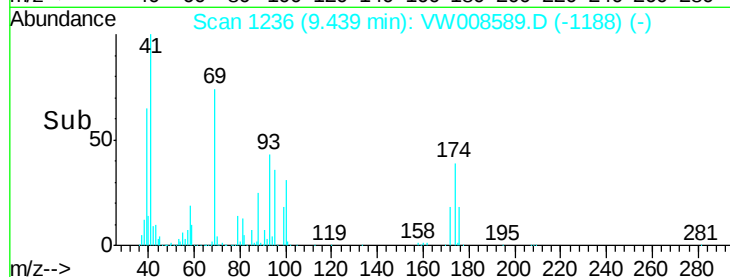
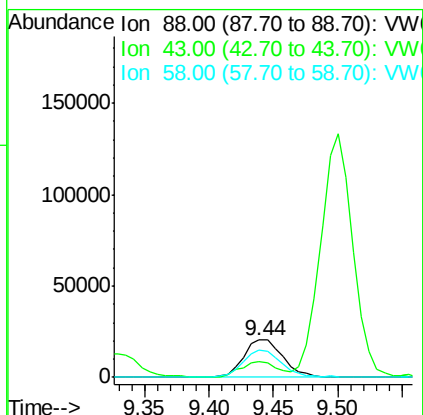
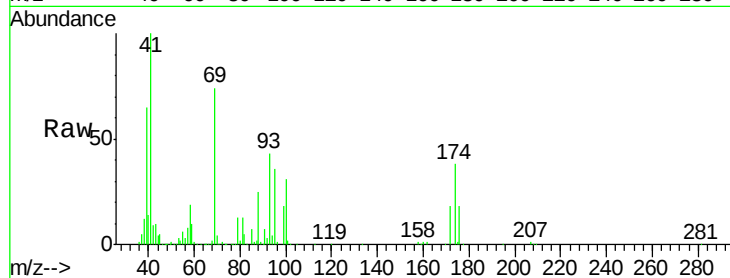
#49
1,4-Dioxane
Concen: 1073.423 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.0	43.4
58	73.3	56.4	84.6

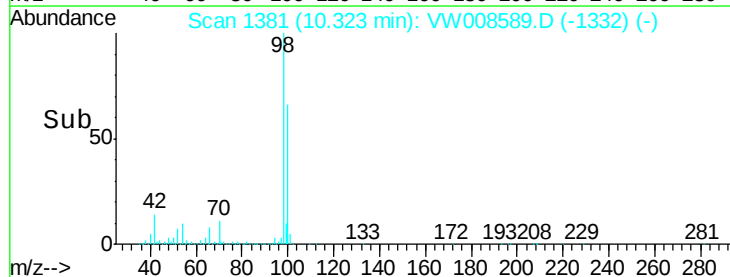
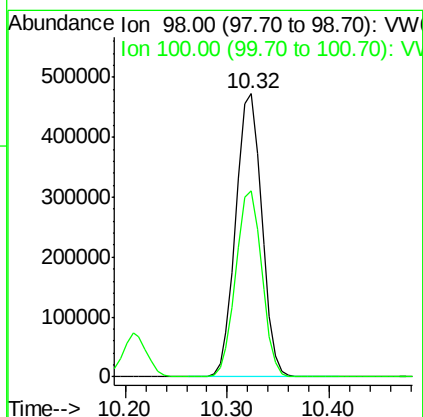
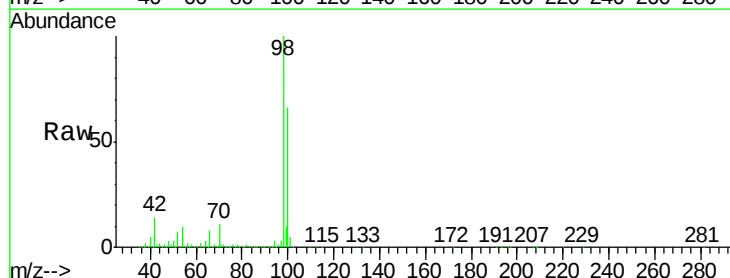
Manual Integrations
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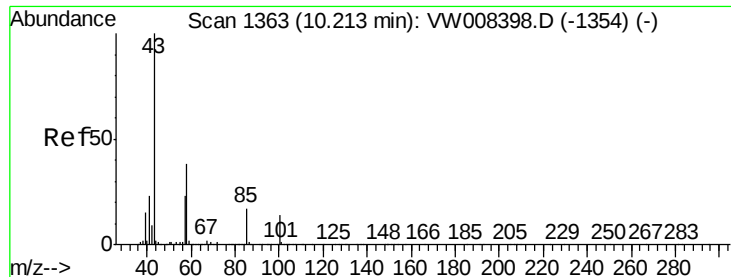
MMDadoda
2/12/2019 1:42:44 PM



#50
Toluene-d8
Concen: 49.779 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 263.237 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 808181

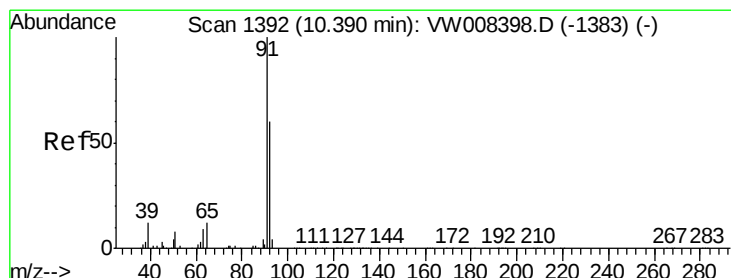
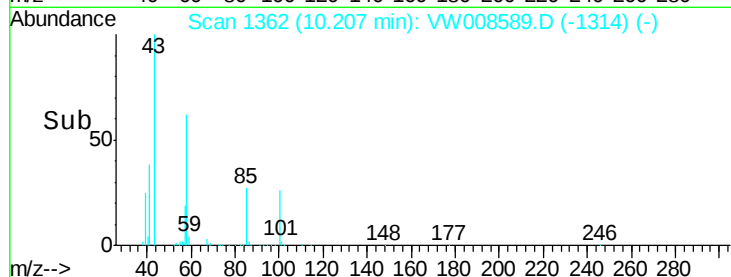
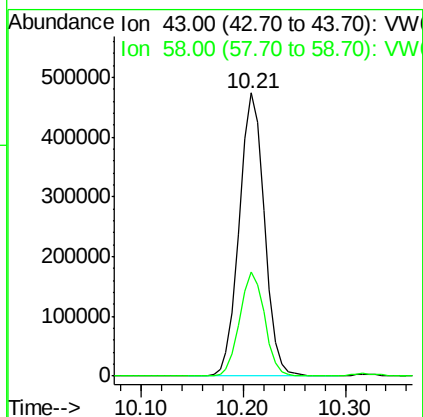
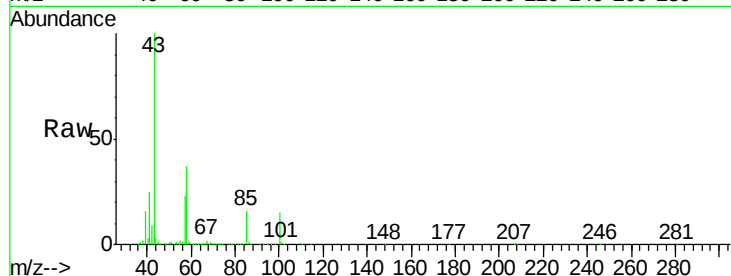
Ion Ratio Lower Upper

43 100

58 36.5 29.7 44.5

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2/12/2019 1:42:44 PM



#52

Toluene

Concen: 53.901 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008589.D

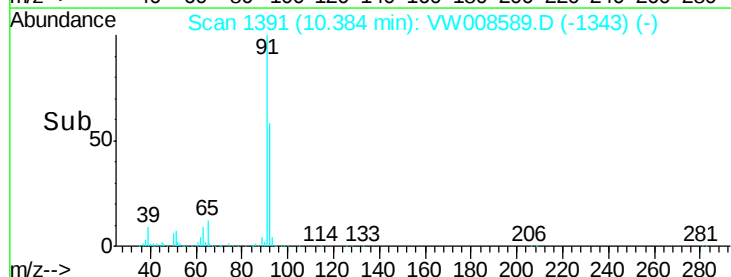
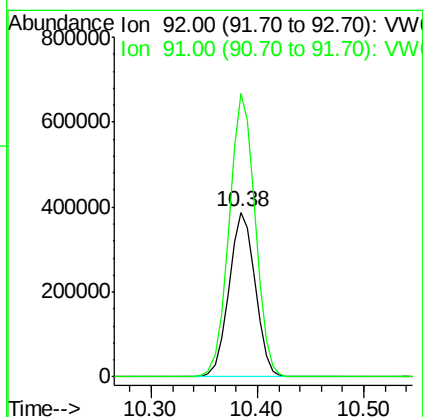
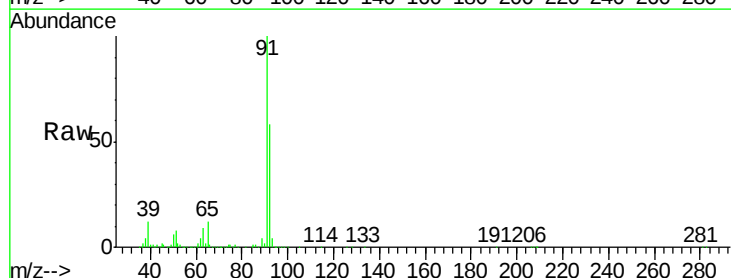
Acq: 11 Feb 2019 11:09

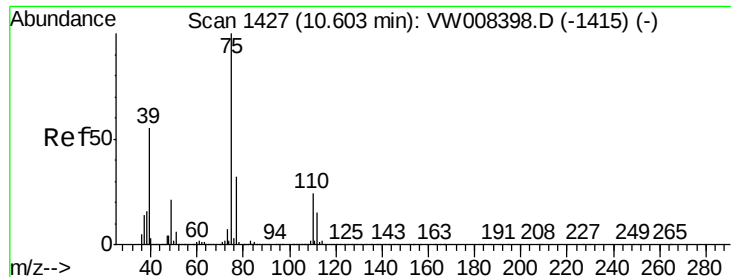
Tgt Ion: 92 Resp: 667548

Ion Ratio Lower Upper

92 100

91 171.1 135.5 203.3





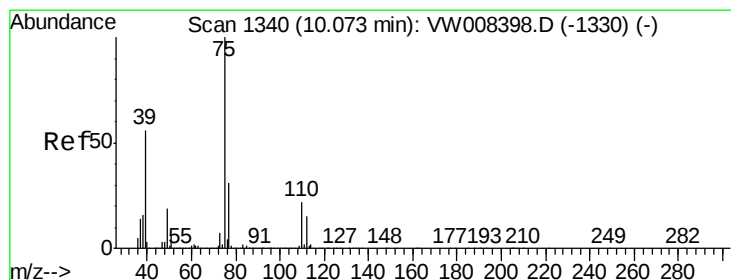
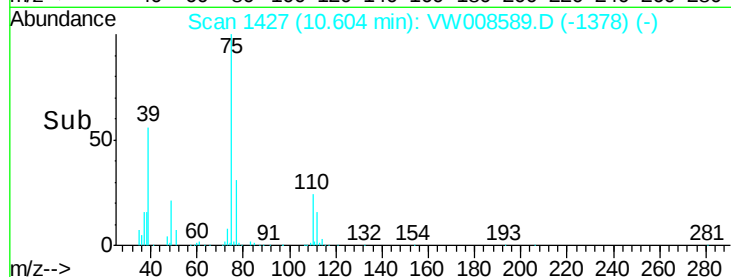
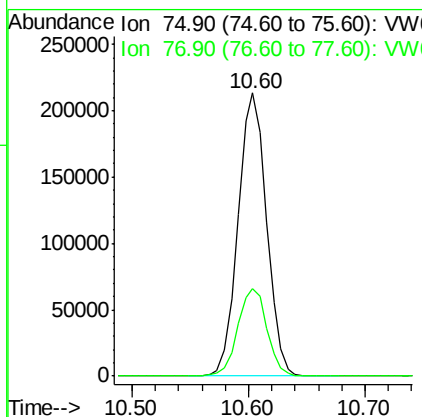
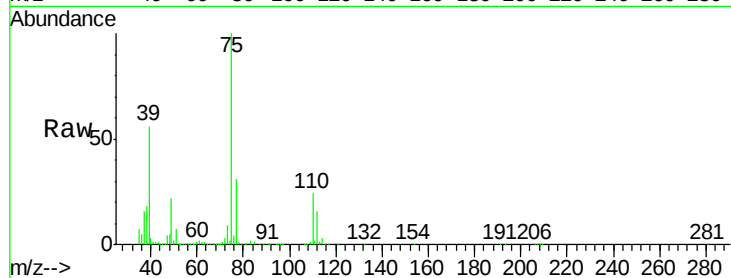
#53
t-1,3-Dichloropropene
Concen: 53.773 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9

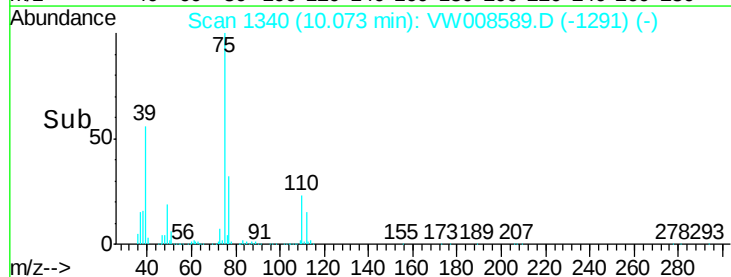
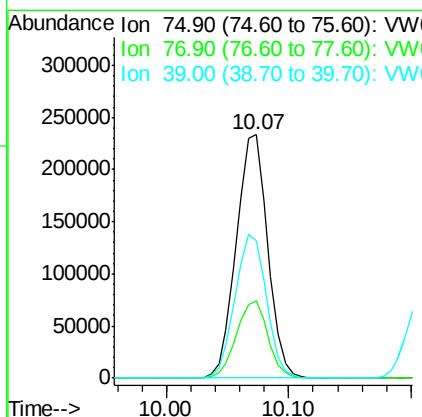
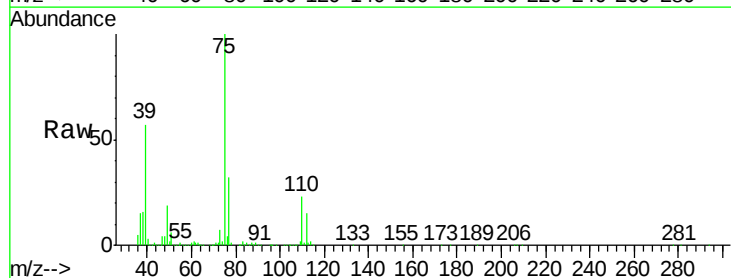
Manual Integrations
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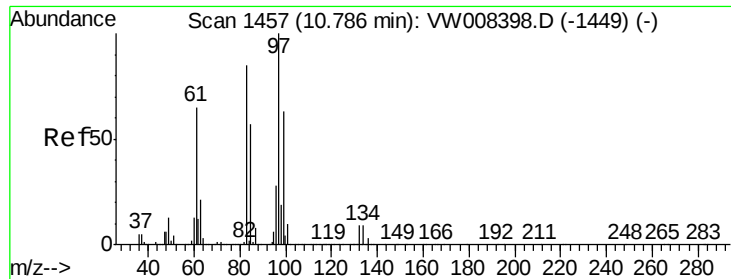
MMDadoda
2/12/2019 1:42:44 PM



#54
cis-1,3-Dichloropropene
Concen: 54.131 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	56.5	44.9	67.3





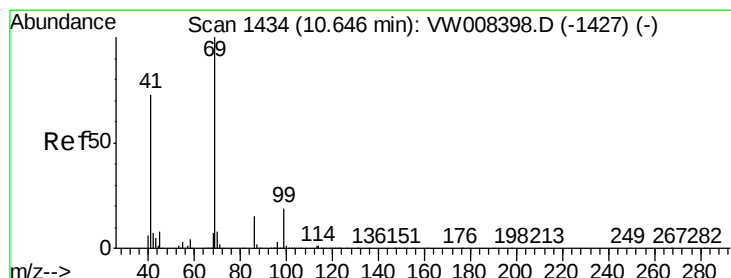
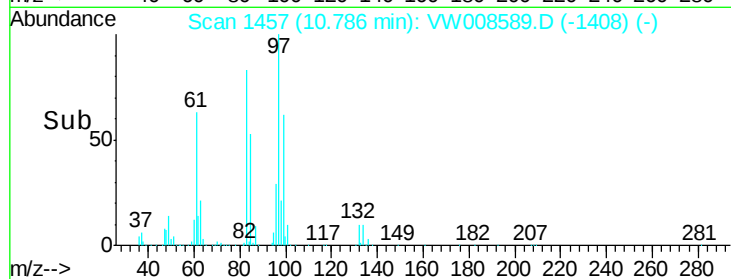
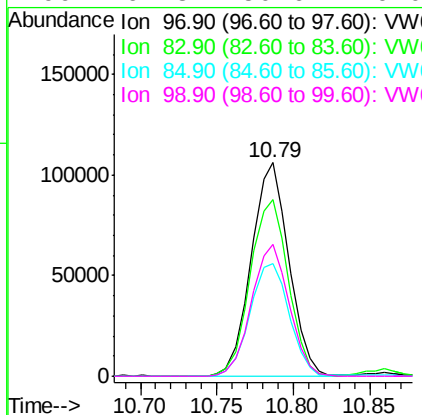
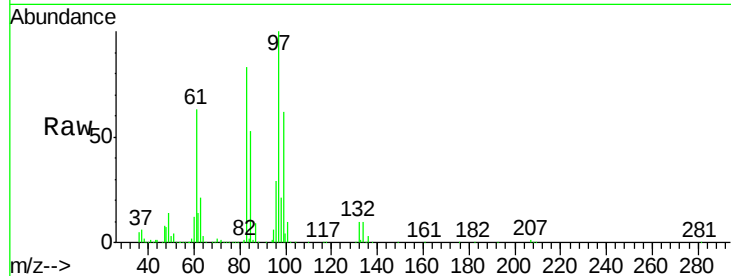
#55
 1,1,2-Trichloroethane
 Concen: 54.474 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	181795
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.4	102.6
85	52.9	45.3	67.9
99	61.8	50.6	76.0

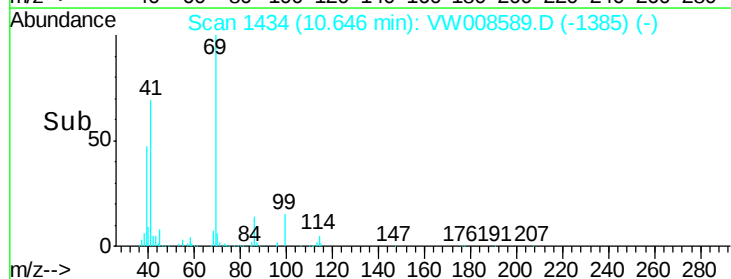
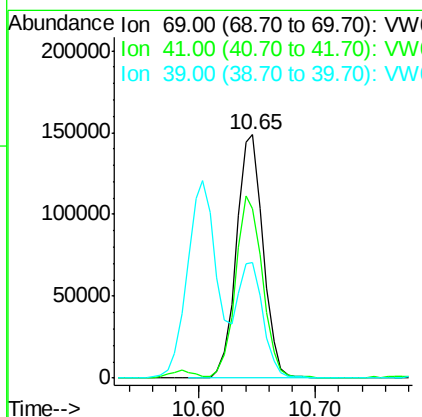
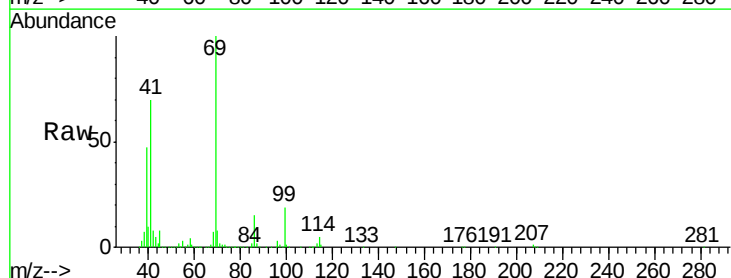
Manual Integrations
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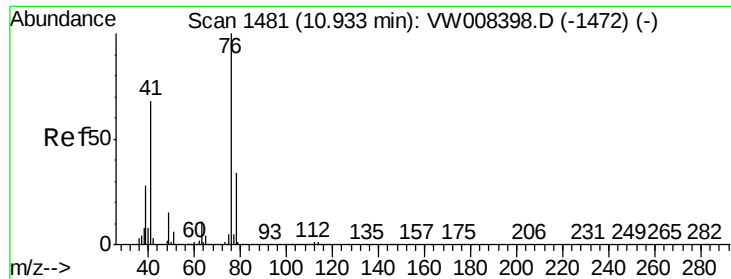
MMDadoda
 2/12/2019 1:42:44 PM



#56
 Ethyl methacrylate
 Concen: 50.681 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion:	69	Resp:	236994
Ion	Ratio	Lower	Upper
69	100		
41	75.4	58.7	88.1
39	43.4	32.6	48.8





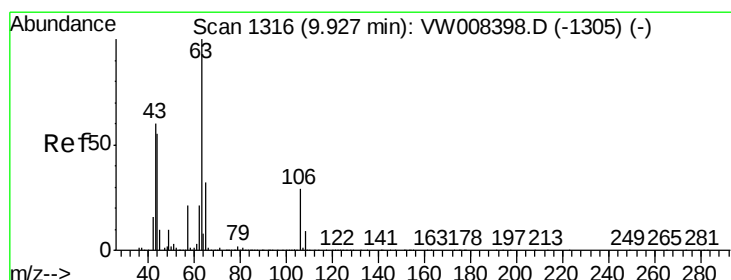
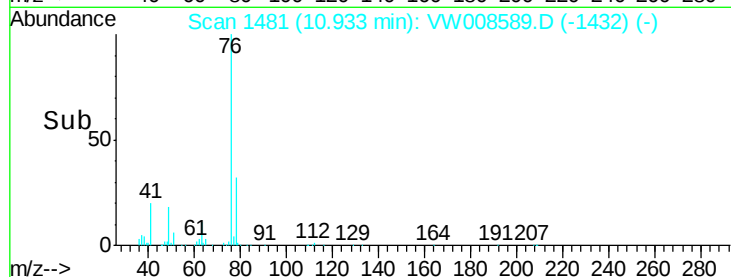
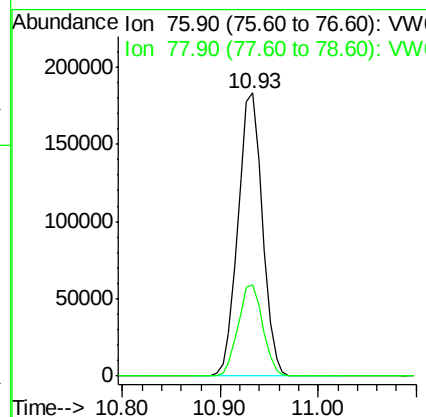
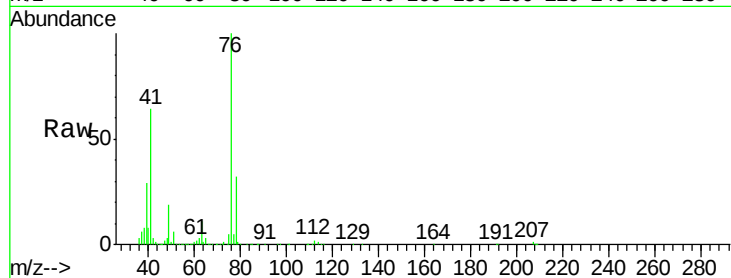
#57
 1,3-Dichloropropane
 Concen: 53.112 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 317542
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

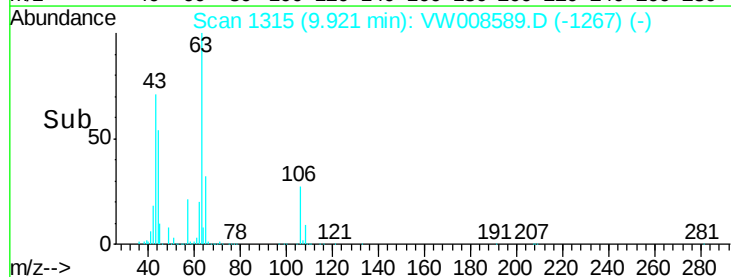
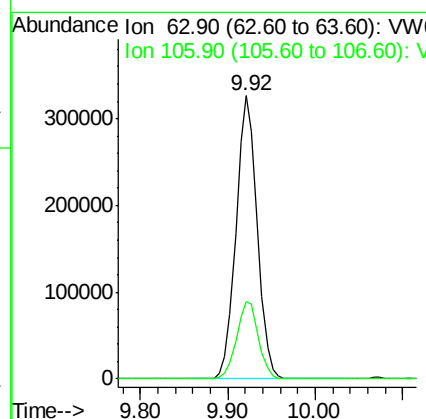
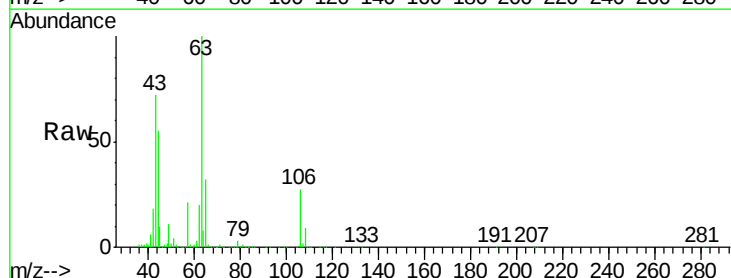
Manual Integrations
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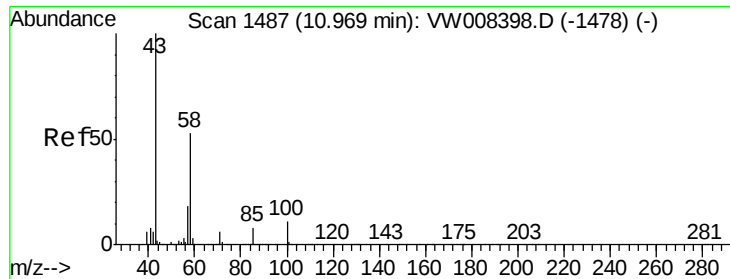
MMDadoda
 2/12/2019 1:42:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.920 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion: 63 Resp: 549654
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.4 33.6





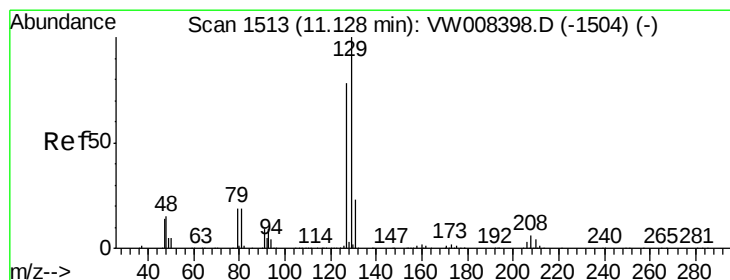
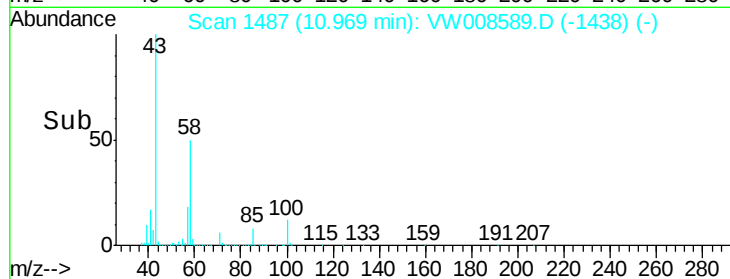
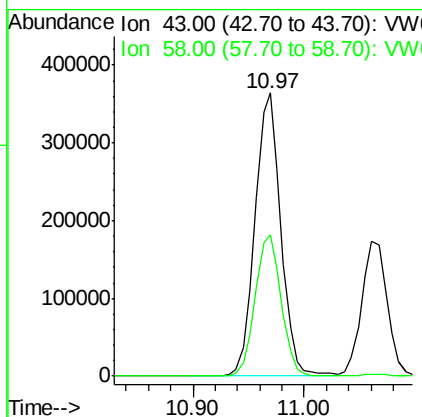
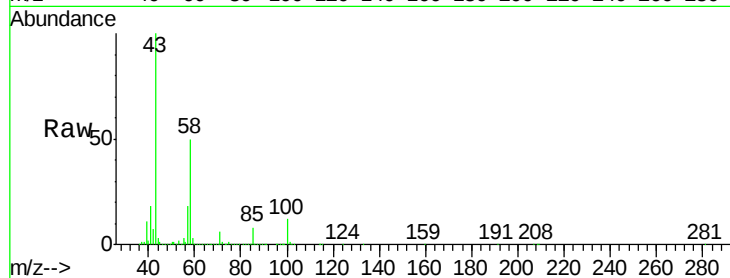
#59
2-Hexanone
Concen: 271.981 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 589495
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

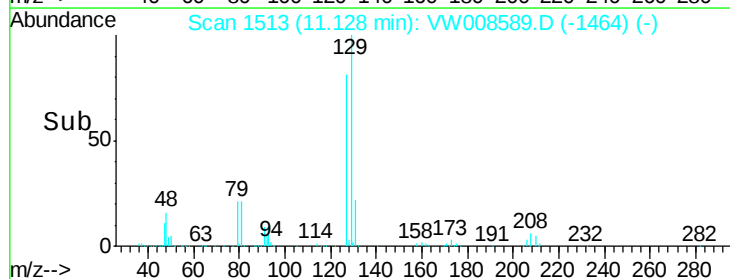
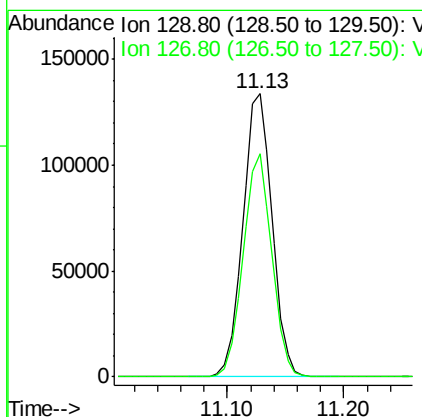
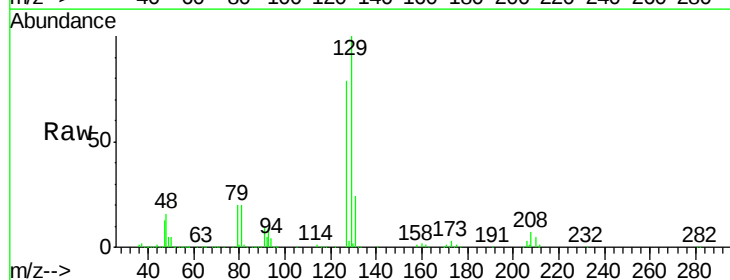
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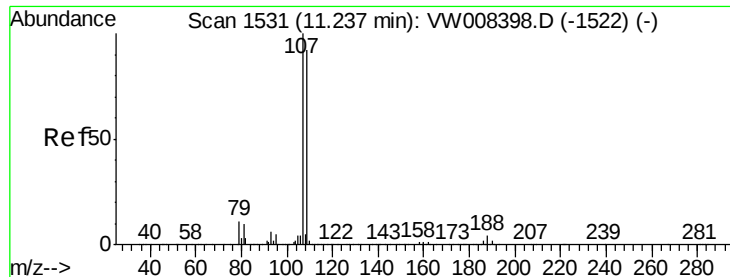
MMDadoda
2/12/2019 1:42:44 PM



#60
Dibromochloromethane
Concen: 54.554 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 129 Resp: 233963
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 53.008 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 175405

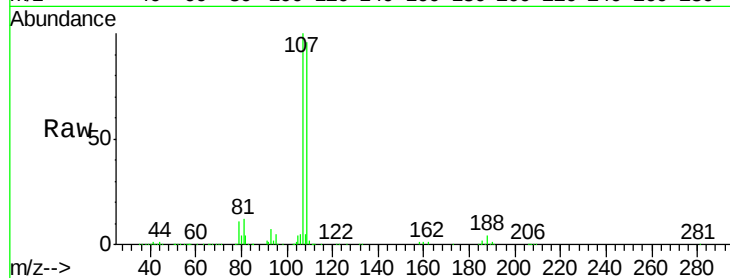
Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.4

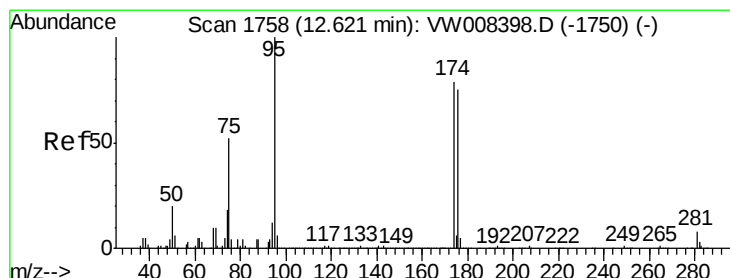
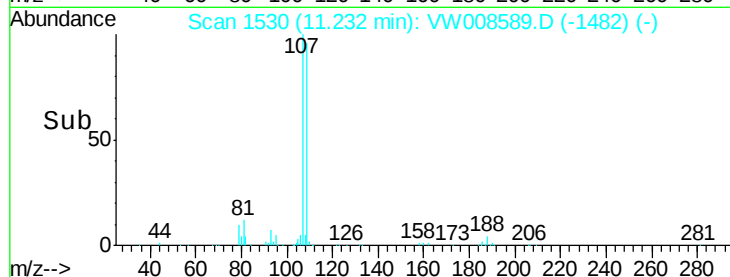
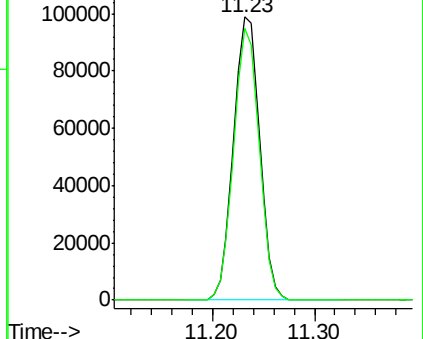
Manual Integrations
APPROVED

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2/12/2019 1:42:44 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.107 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

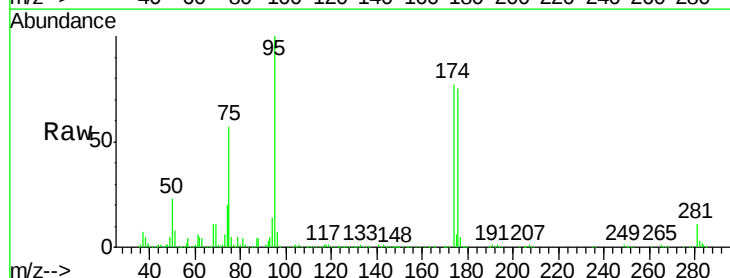
Tgt Ion: 95 Resp: 323249

Ion Ratio Lower Upper

95 100

174 82.1 0.0 157.6

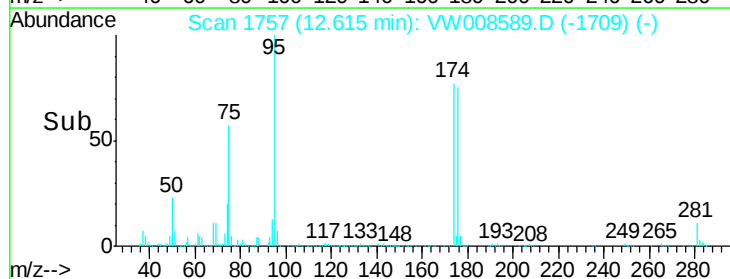
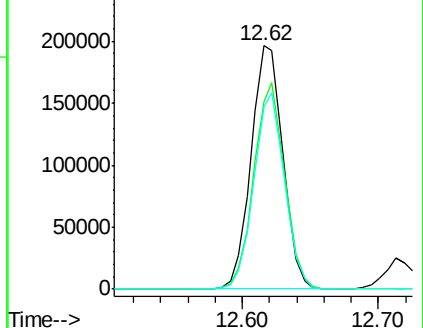
176 78.1 0.0 151.8

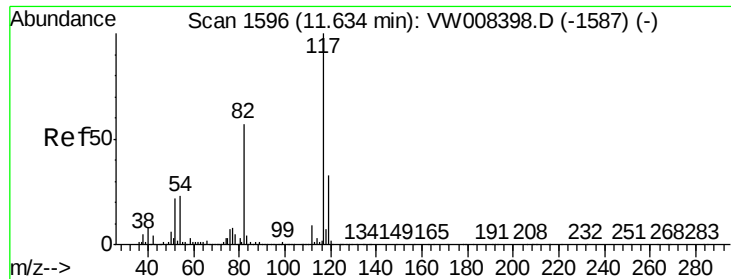


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





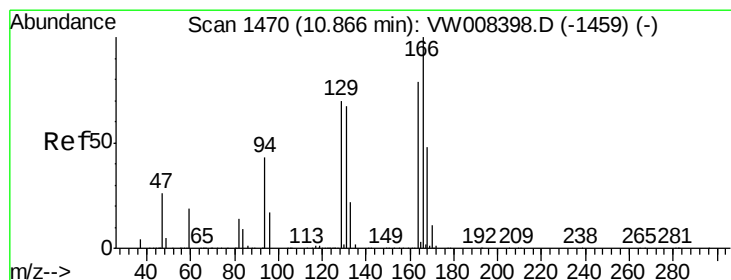
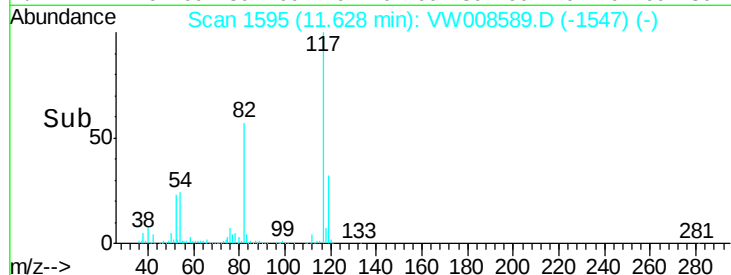
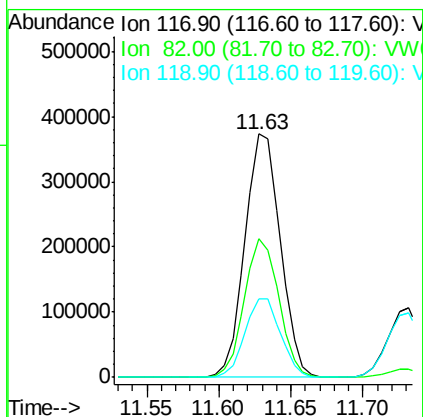
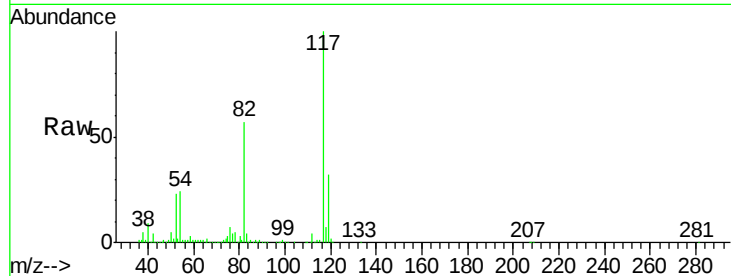
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	634793		
82	56.7		45.4	68.0
119	32.2		26.2	39.4

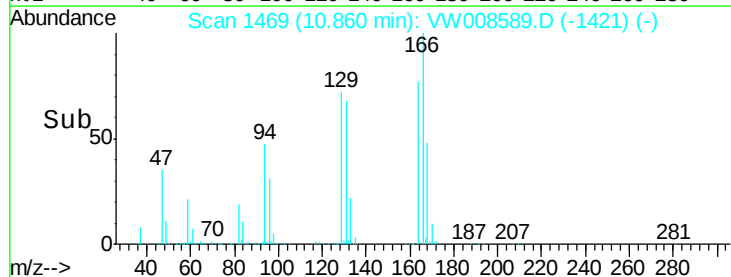
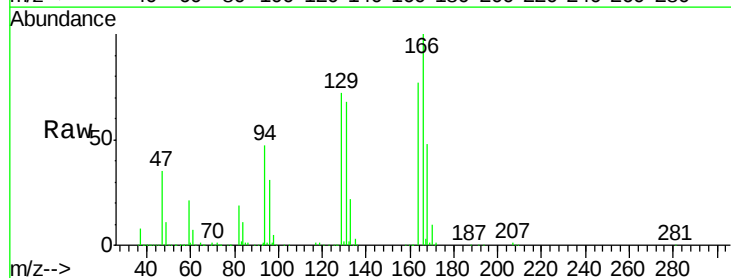
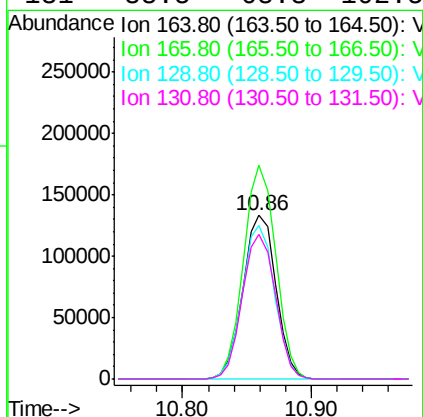
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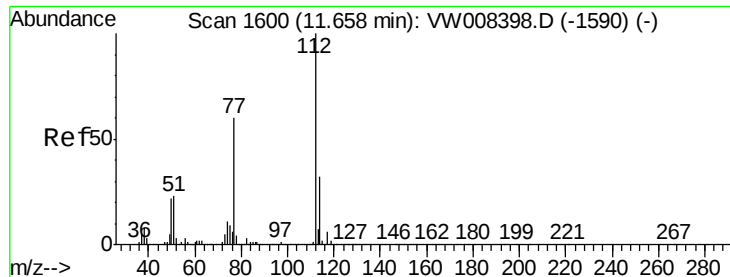
MMDadoda
2/12/2019 1:42:44 PM



#64
Tetrachloroethene
Concen: 54.757 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	235341		
166	130.7		101.4	152.0
129	93.9		71.0	106.6
131	88.5		68.3	102.5





#65

Chlorobenzene

Concen: 55.736 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 722249

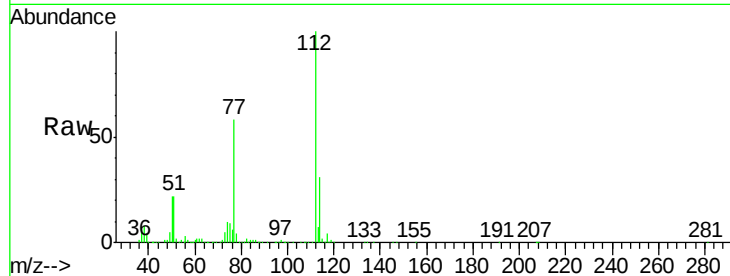
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.2

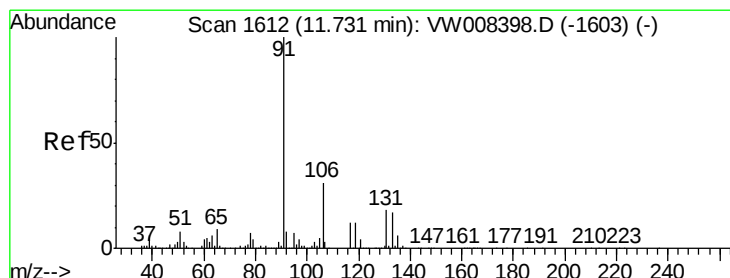
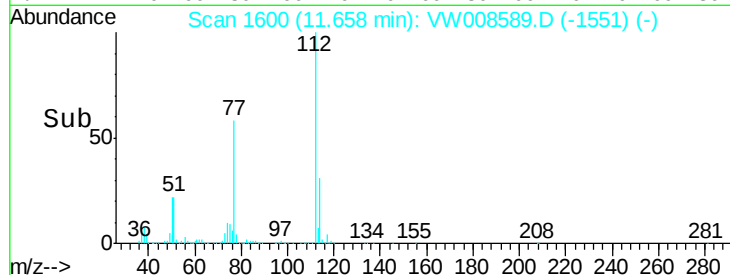
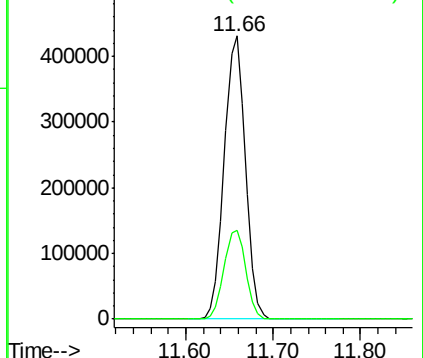
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.651 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

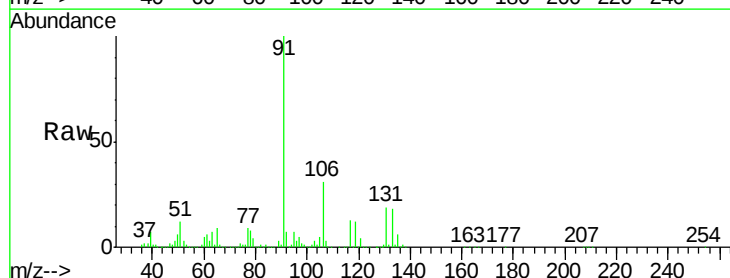
Tgt Ion:131 Resp: 267287

Ion Ratio Lower Upper

131 100

133 95.2 47.0 141.2

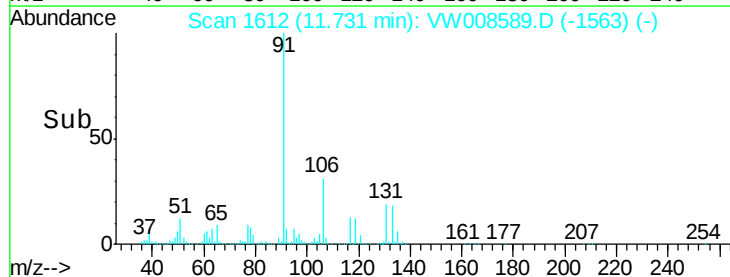
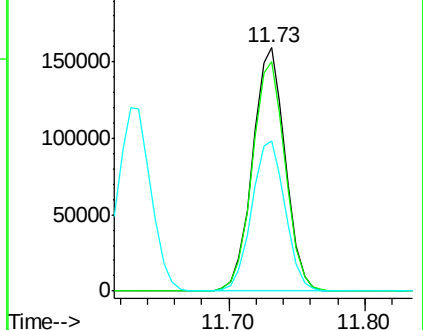
119 63.4 32.1 96.3

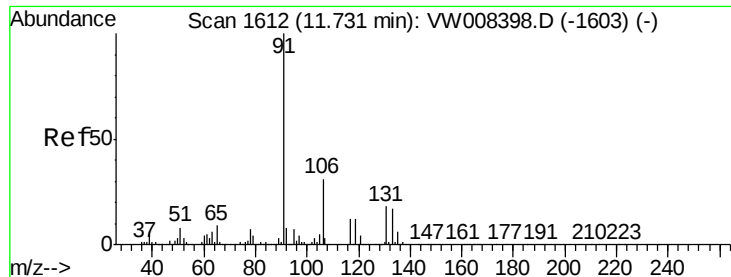


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





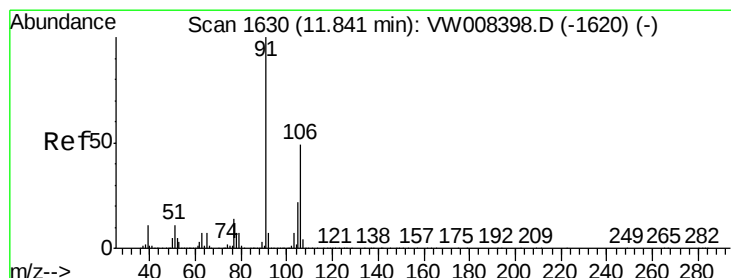
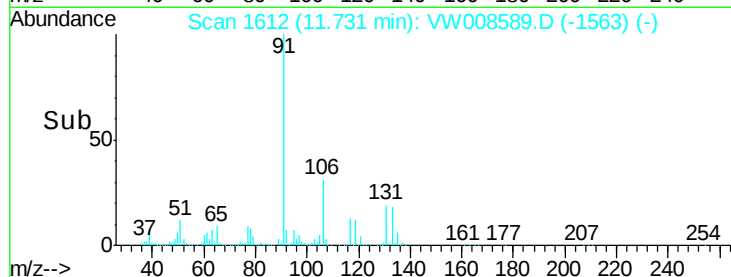
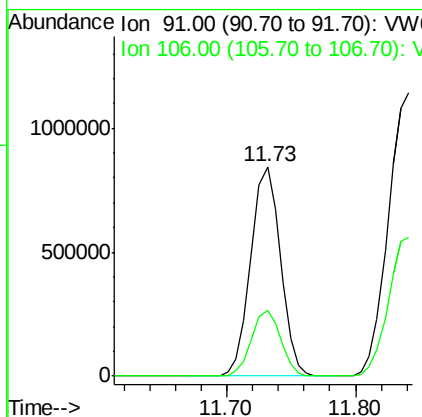
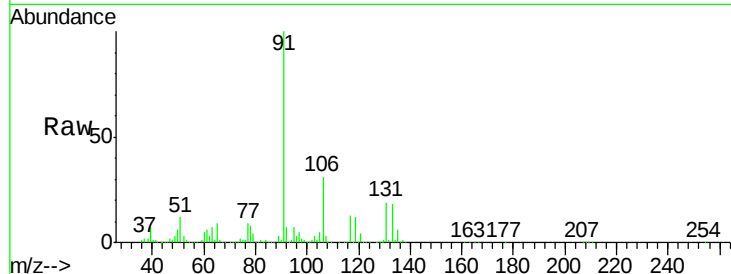
#67
Ethyl Benzene
Concen: 56.542 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1346815
Ion Ratio Lower Upper
91 100
106 31.4 24.7 37.1

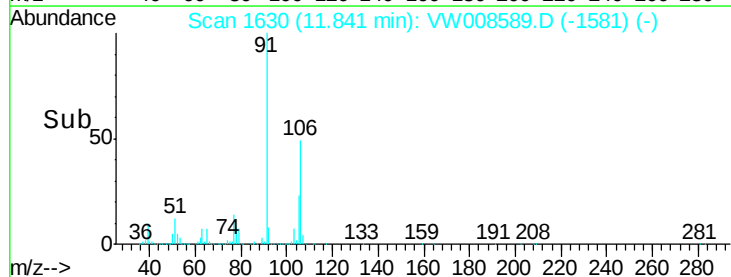
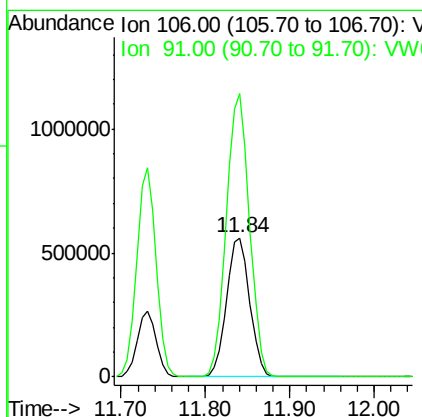
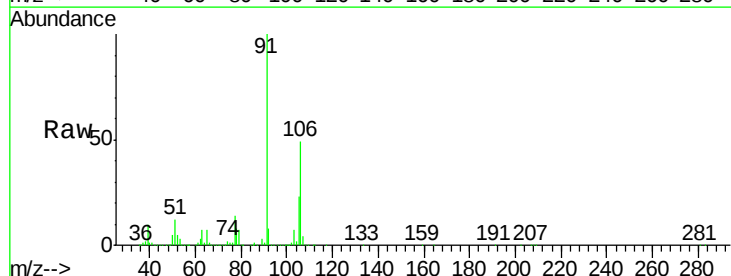
Manual Integrations
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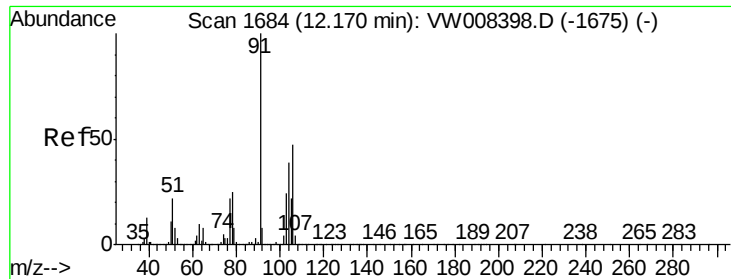
MMDadoda
2/12/2019 1:42:44 PM



#68
m/p-Xylenes
Concen: 113.565 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 106 Resp: 1049558
Ion Ratio Lower Upper
106 100
91 203.9 162.9 244.3





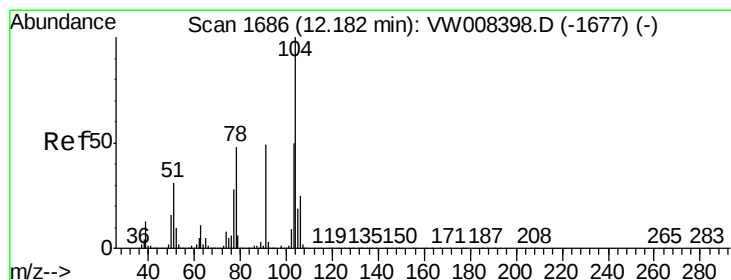
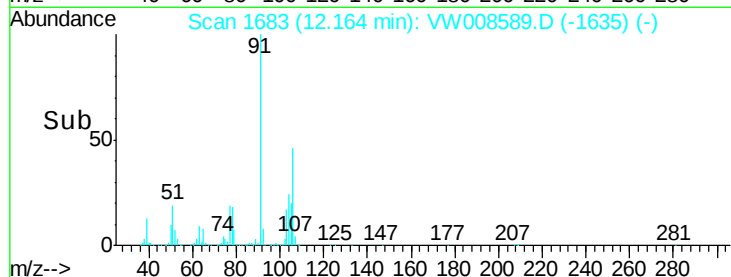
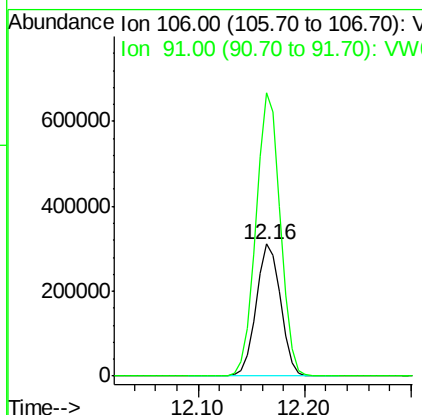
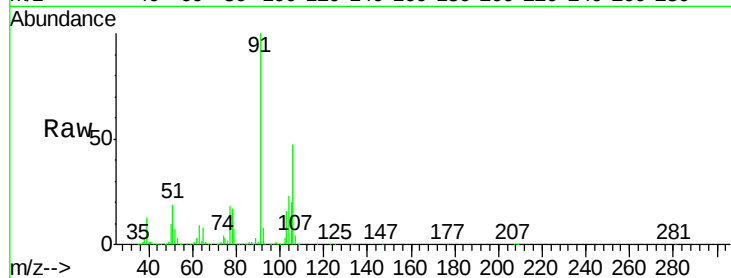
#69
o-Xylene
Concen: 56.857 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	107.5	322.4

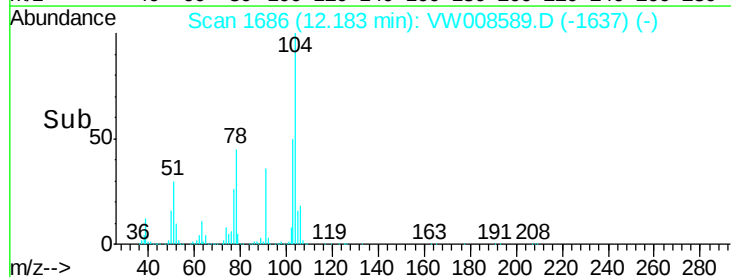
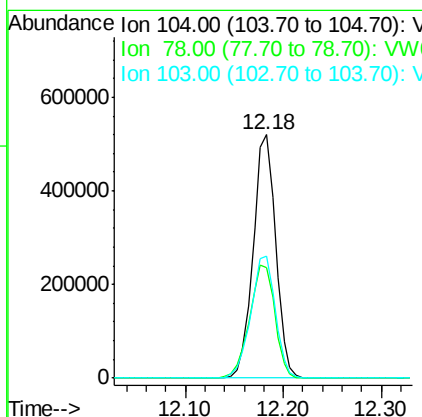
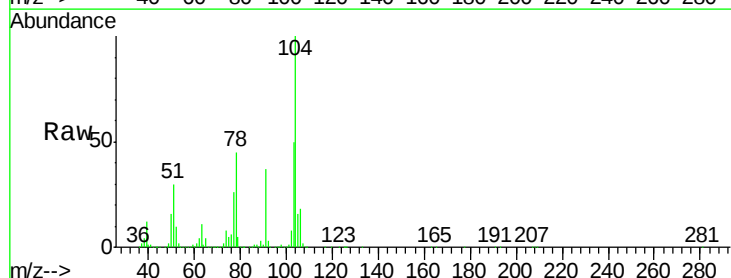
Manual Integrations
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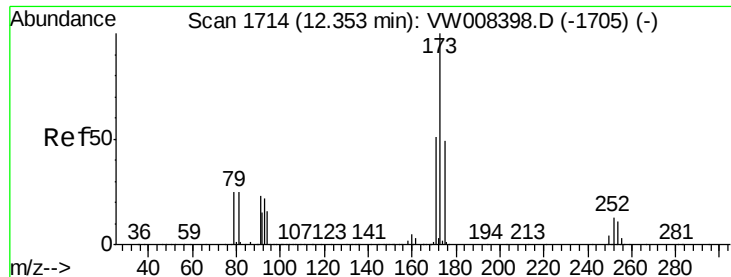
MMDadoda
2/12/2019 1:42:44 PM



#70
Styrene
Concen: 57.600 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.4	63.6
103	54.4	43.4	65.0





#71

Bromoform

Concen: 54.315 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

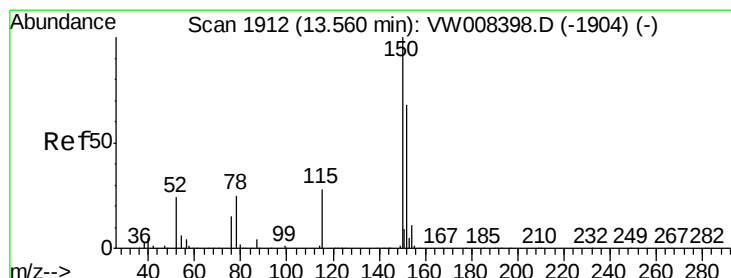
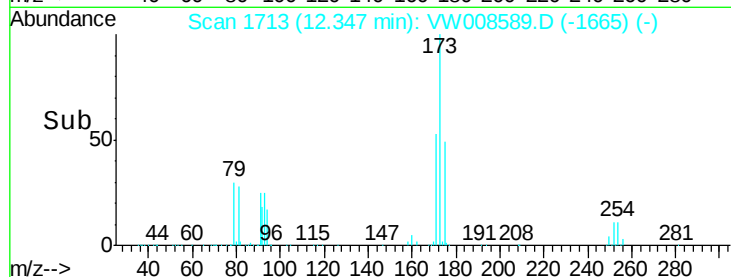
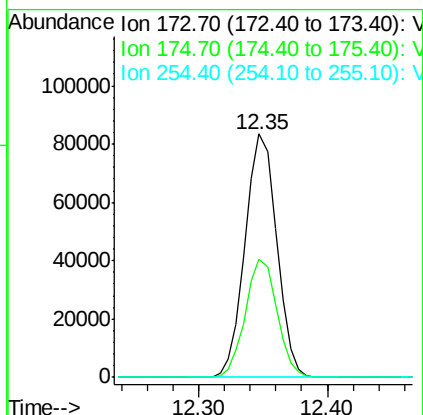
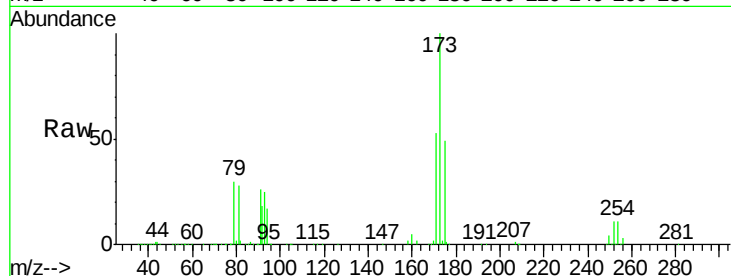
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	141684
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.4	73.4
254	0.2	0.2	0.2

Manual Integrations
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2/12/2019 1:42:44 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

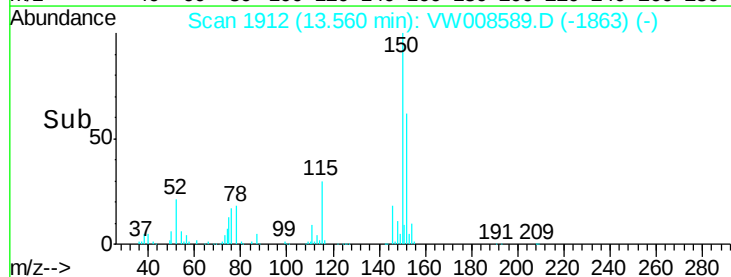
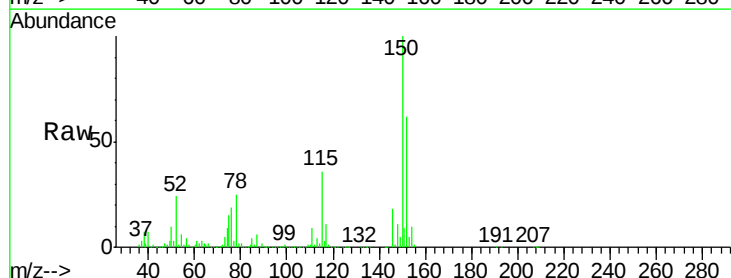
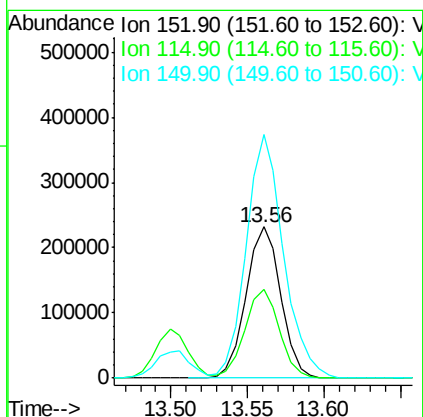
RT: 13.56 min Scan# 1912

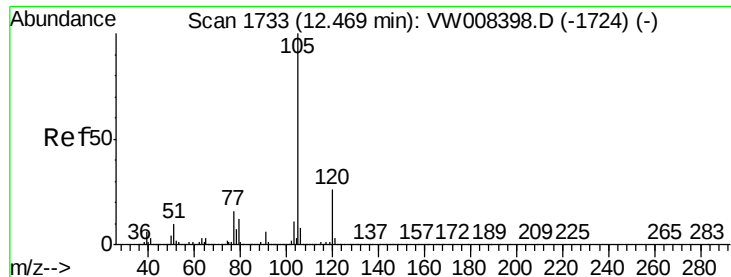
Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion:	152	Resp:	365165
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.9	89.7
150	173.2	0.0	351.4





#73

Isopropylbenzene

Concen: 52.628 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1432736

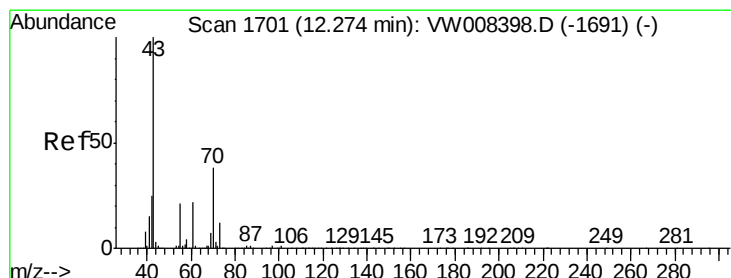
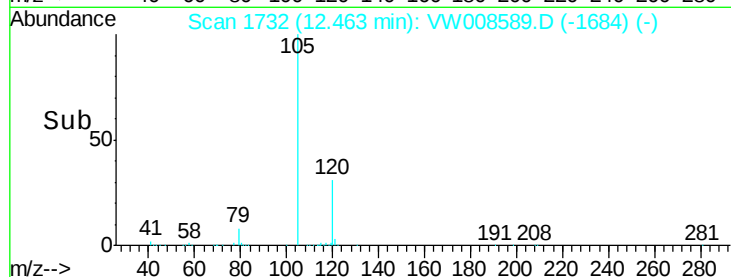
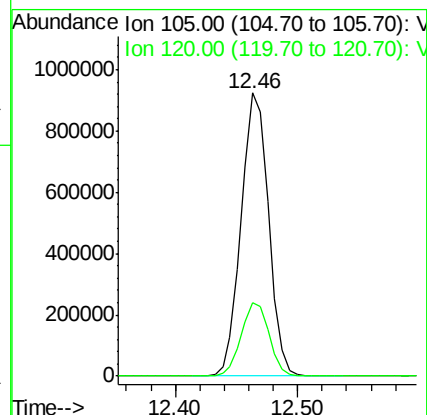
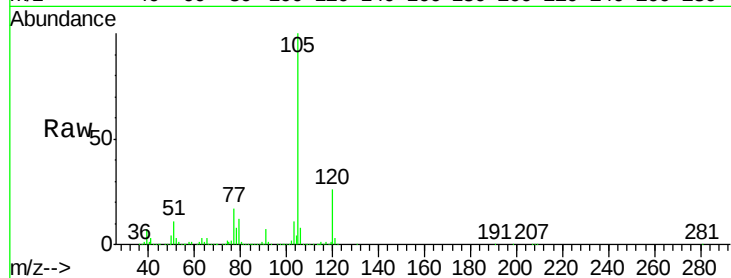
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 48.894 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion: 43 Resp: 342911

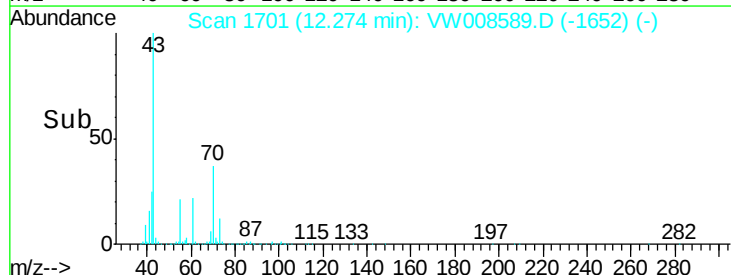
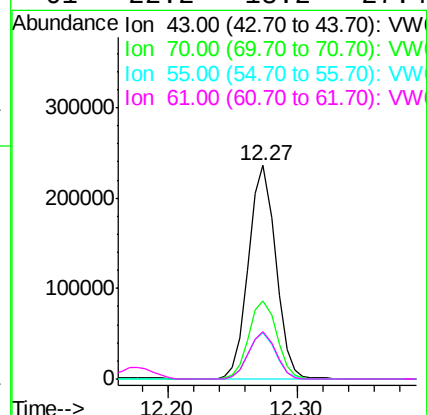
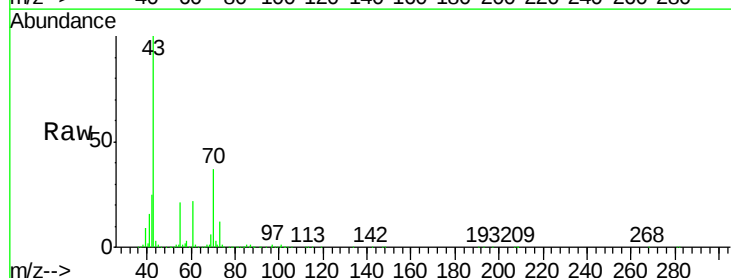
Ion Ratio Lower Upper

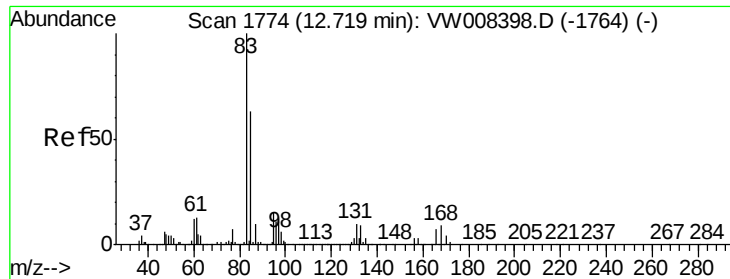
43 100

70 38.0 31.0 46.6

55 21.5 17.4 26.2

61 22.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.317 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 212558

Ion Ratio Lower Upper

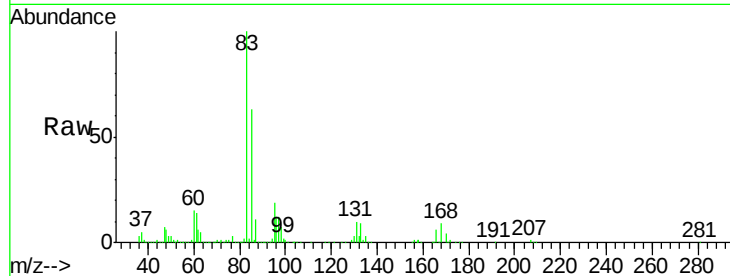
83 100

131 10.9 5.5 16.4

85 63.8 31.9 95.5

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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12.71

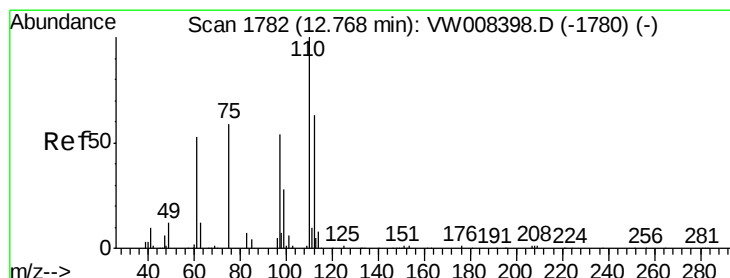
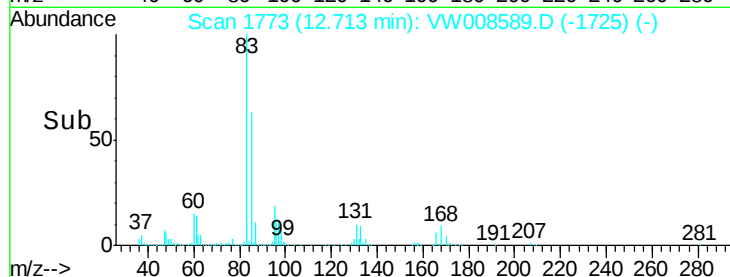
100000

50000

0

12.65 12.70 12.75

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.613 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008589.D

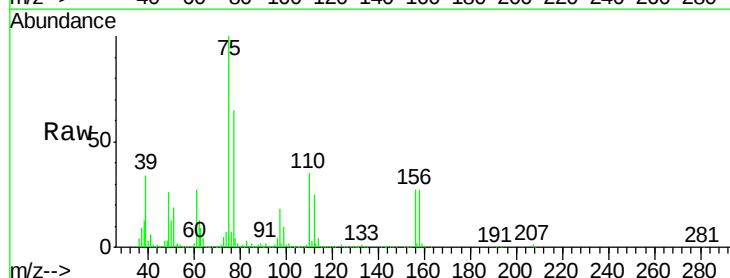
Acq: 11 Feb 2019 11:09

Tgt Ion: 75 Resp: 151163

Ion Ratio Lower Upper

75 100

77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

300000

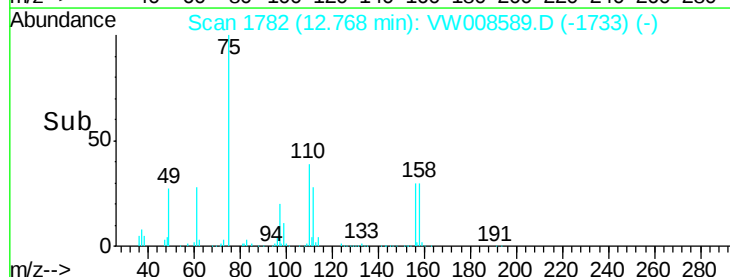
200000

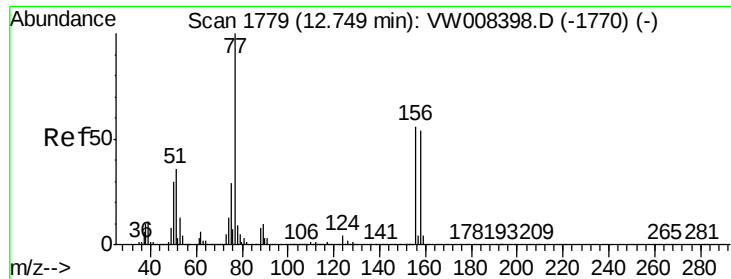
100000

0

12.74 12.76 12.78 12.80

Time-->





#77

Bromobenzene

Concen: 51.833 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

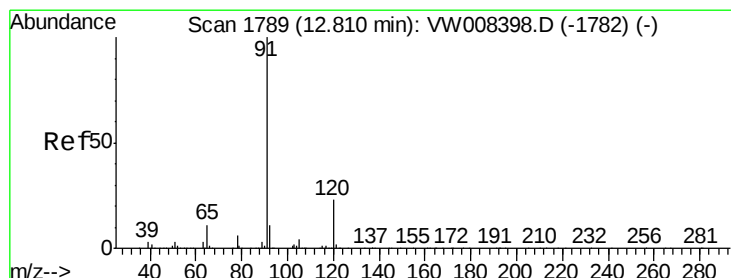
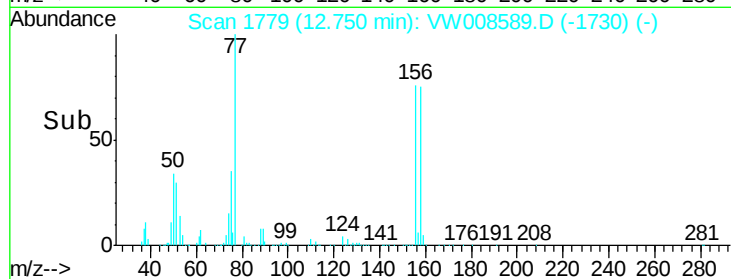
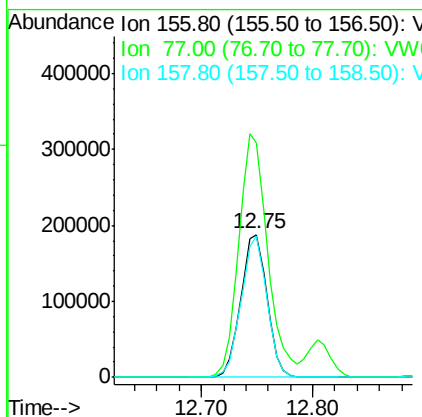
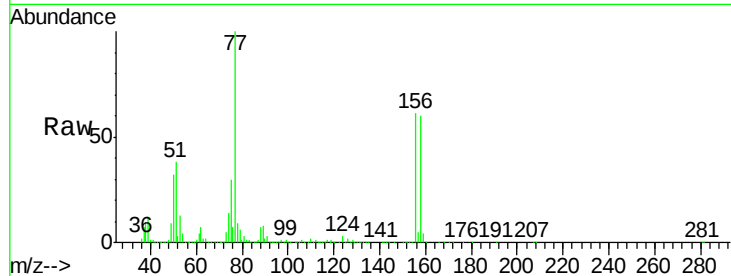
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	308167		
77	187.0	96.9	290.7	
158	96.6	48.8	146.4	

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#78

n-propylbenzene

Concen: 53.470 ug/l

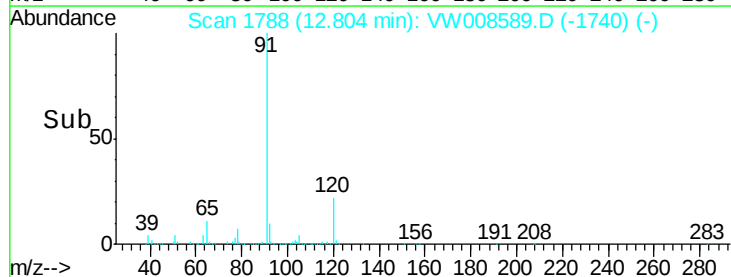
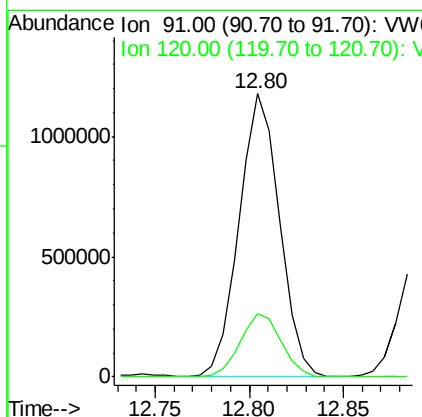
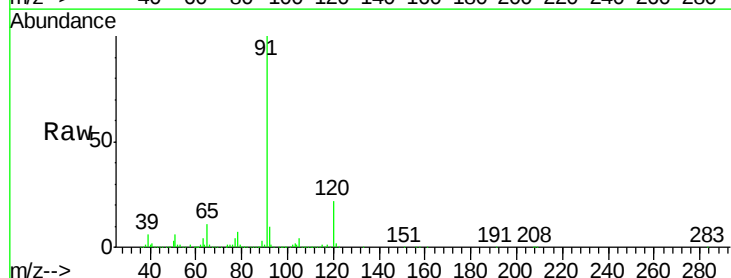
RT: 12.80 min Scan# 1788

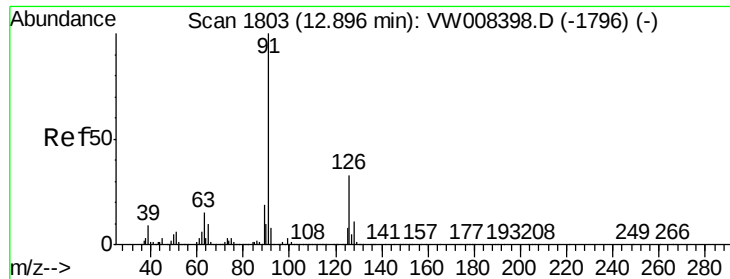
Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1748335		
120	22.7	11.4	34.1	





#79

2-Chlorotoluene

Concen: 52.671 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 971843

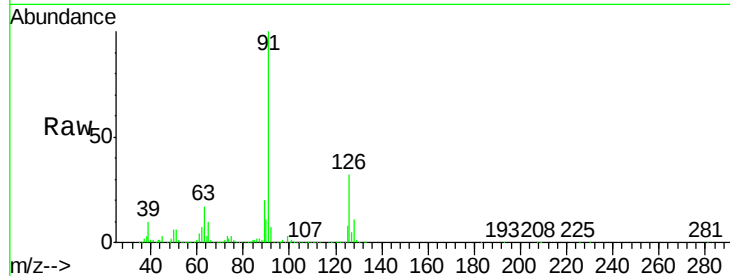
Ion Ratio Lower Upper

91 100

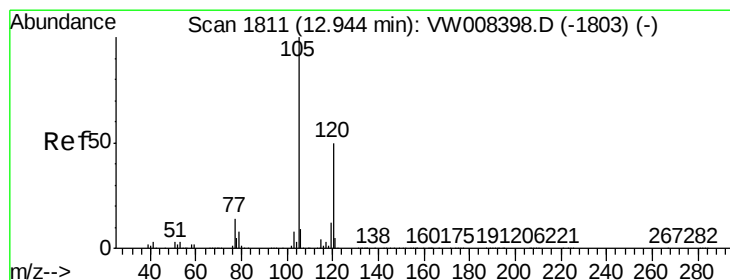
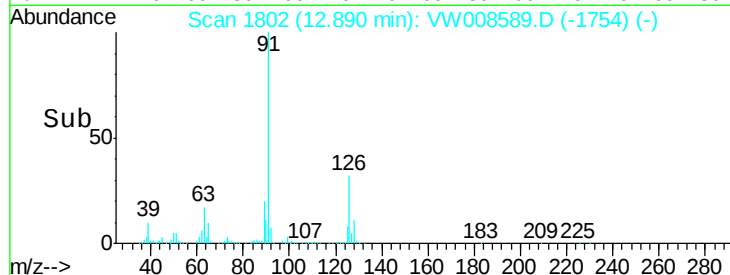
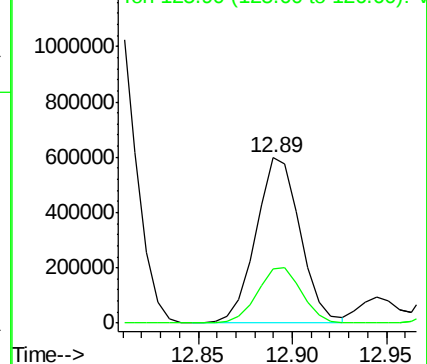
126 33.3 16.5 49.5

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



#80

1,3,5-Trimethylbenzene

Concen: 53.591 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008589.D

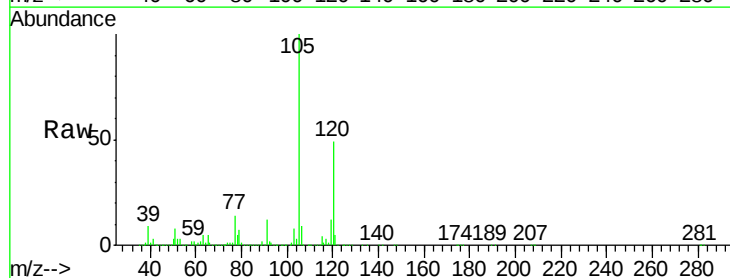
Acq: 11 Feb 2019 11:09

Tgt Ion: 105 Resp: 1219437

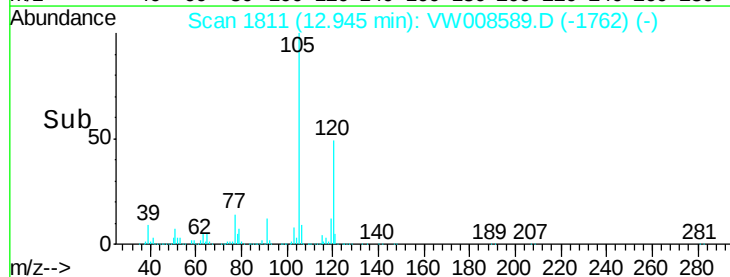
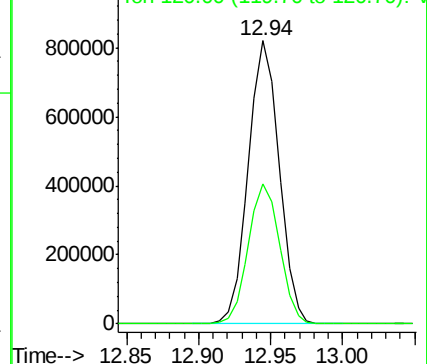
Ion Ratio Lower Upper

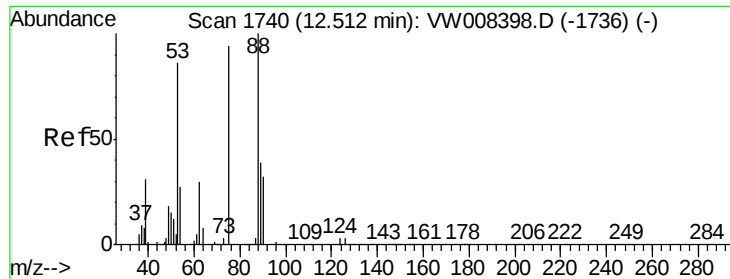
105 100

120 50.0 24.6 73.8



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





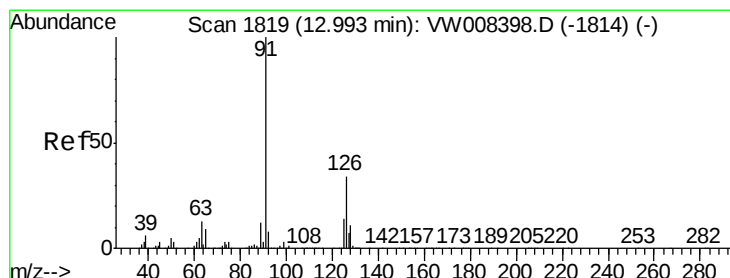
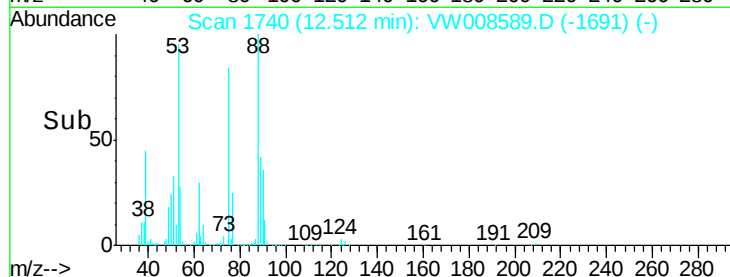
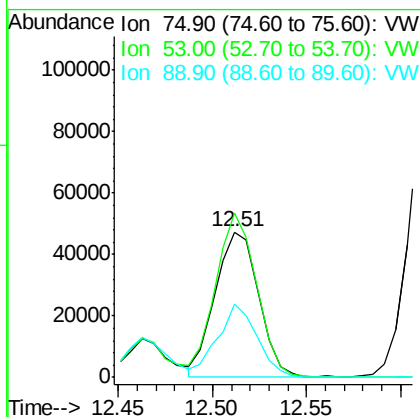
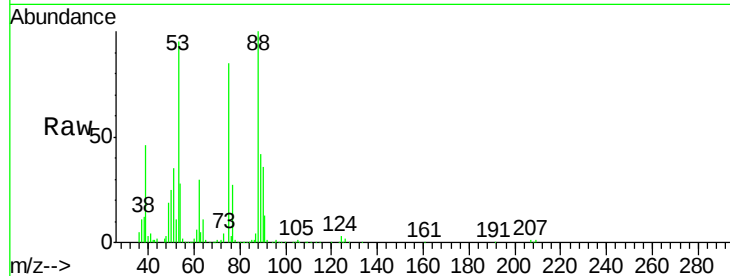
#81
trans-1,4-Dichloro-2-butene
Concen: 46.965 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	76.0	114.0
89	46.2	35.4	53.0

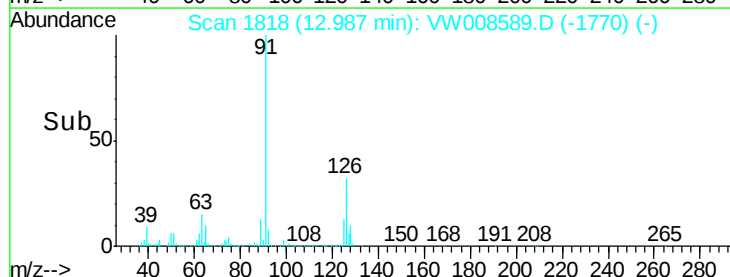
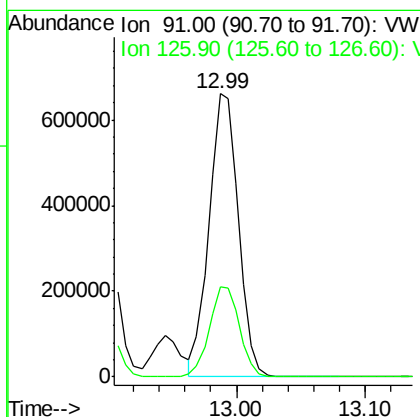
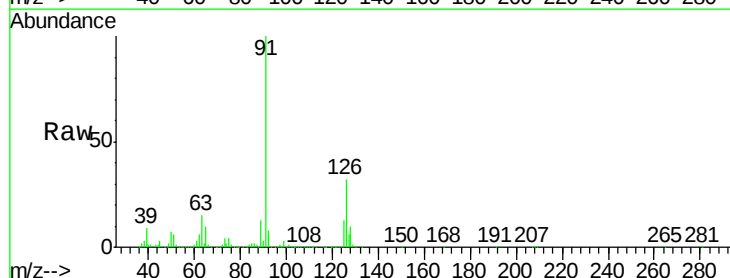
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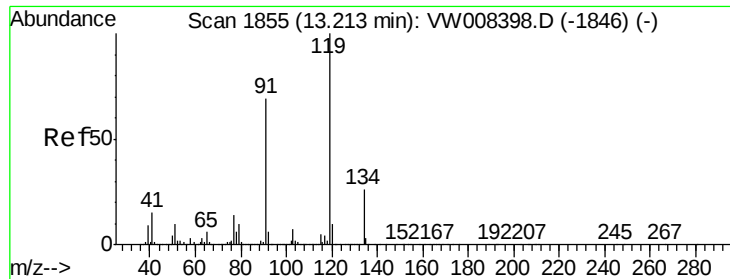
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#82
4-Chlorotoluene
Concen: 53.594 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2





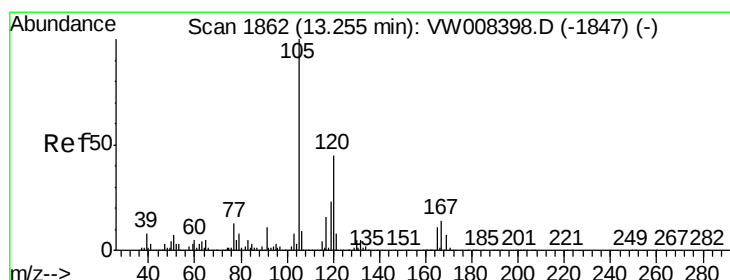
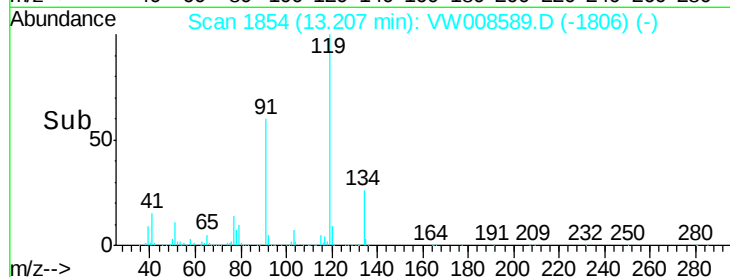
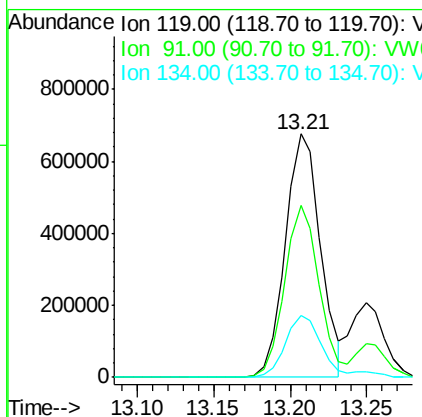
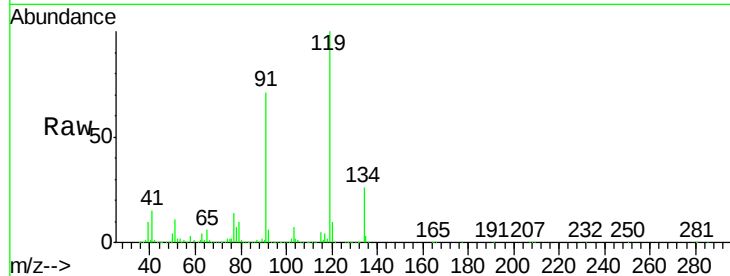
#83
tert-Butylbenzene
Concen: 53.118 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1075583
Ion Ratio Lower Upper
119 100
91 69.6 33.8 101.4
134 27.5 13.5 40.4

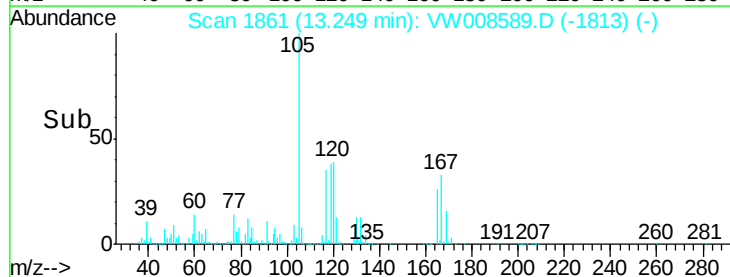
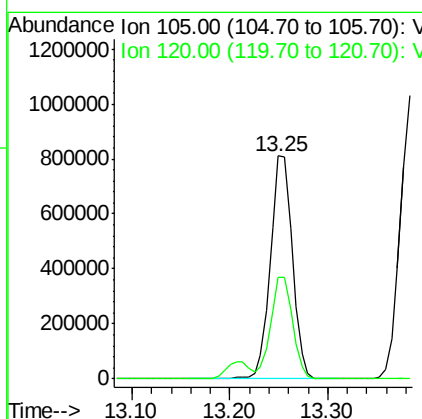
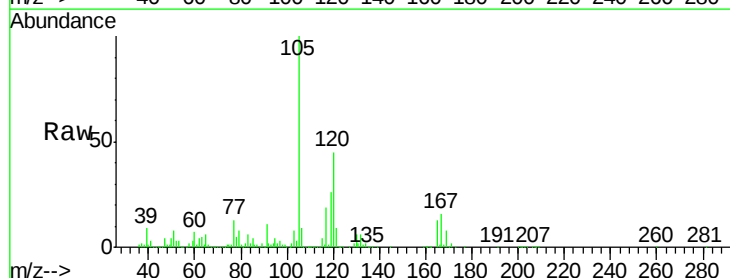
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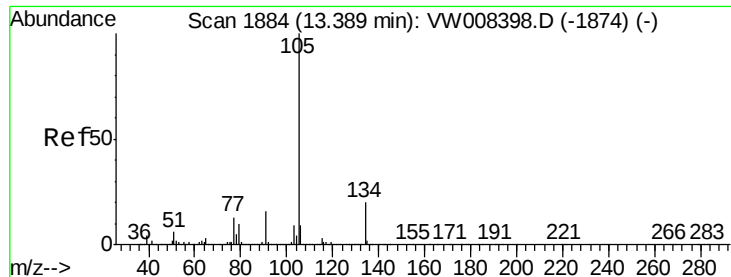
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.961 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion:105 Resp: 1271141
Ion Ratio Lower Upper
105 100
120 45.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 55.365 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1601047

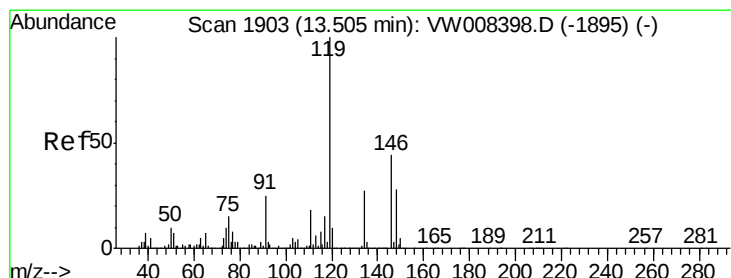
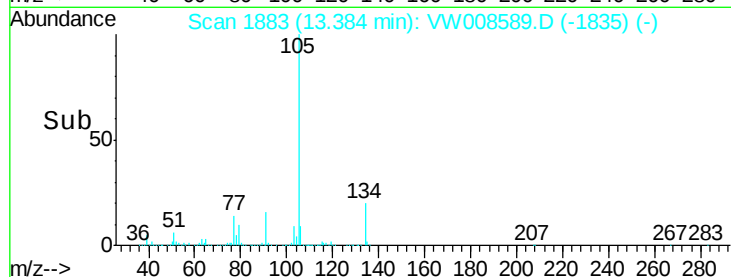
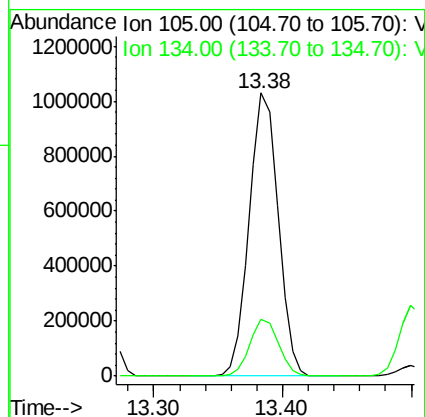
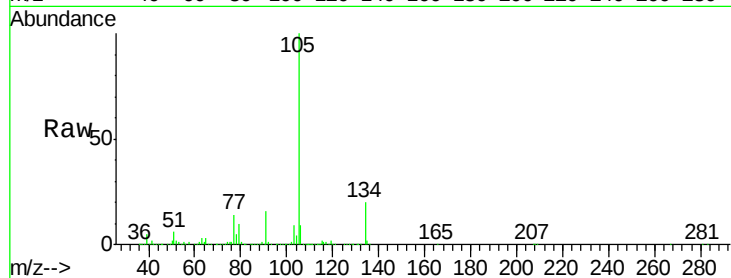
Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 56.868 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008589.D

Acq: 11 Feb 2019 11:09

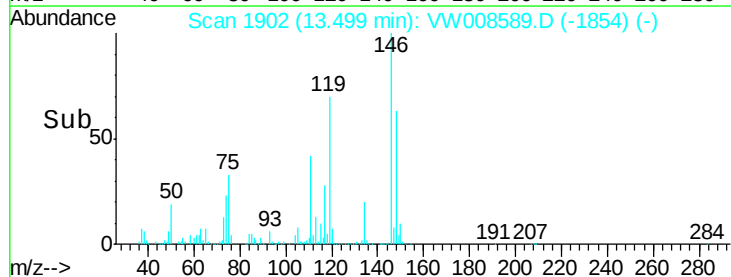
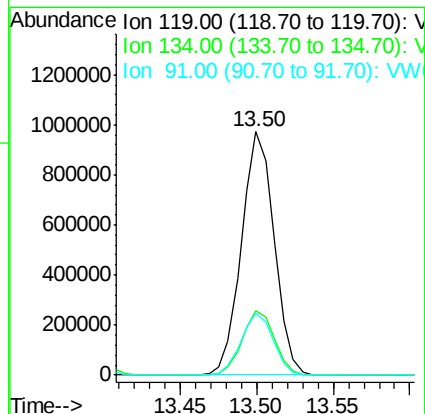
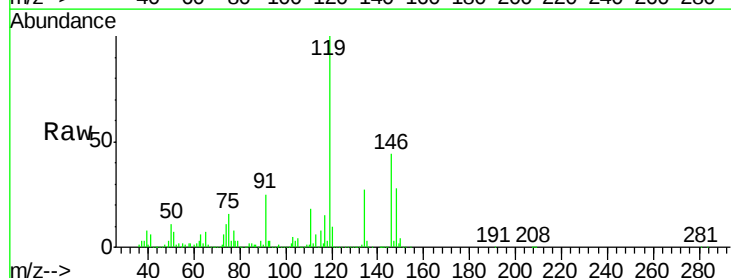
Tgt Ion:119 Resp: 1440505

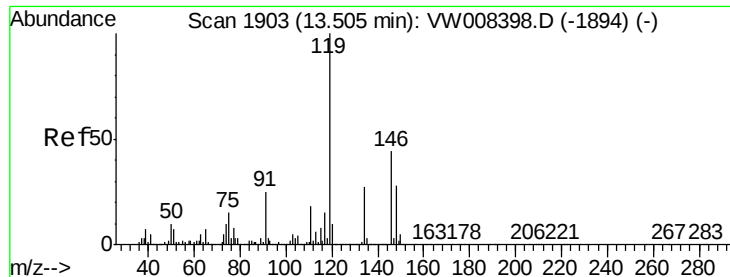
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 24.9 12.6 37.6





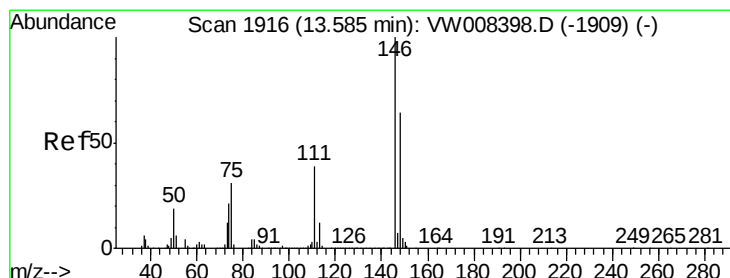
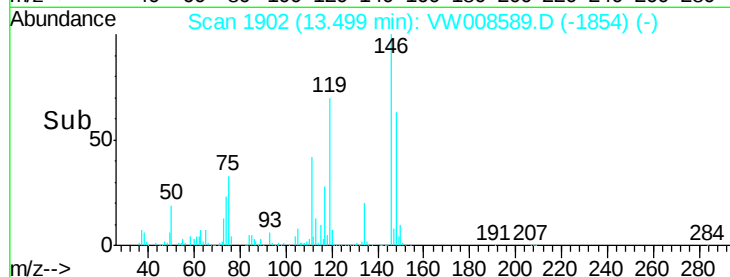
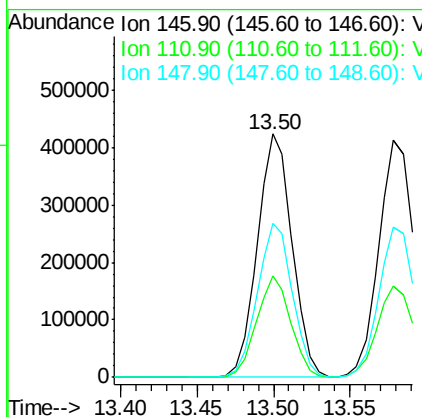
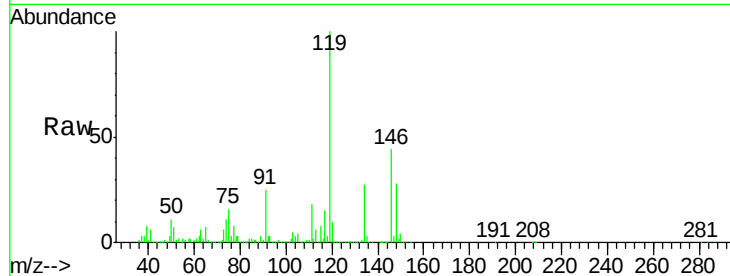
#87
 1,3-Dichlorobenzene
 Concen: 55.848 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	670576		
111	40.8	20.3	60.9	
148	63.7	31.9	95.7	

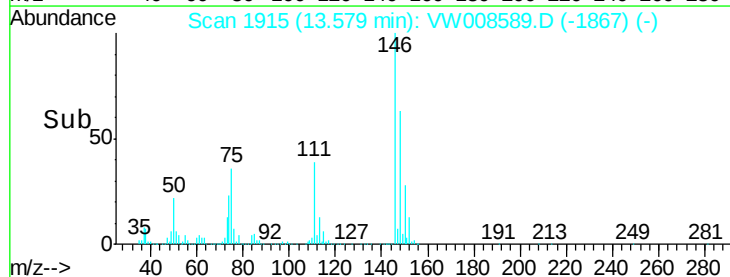
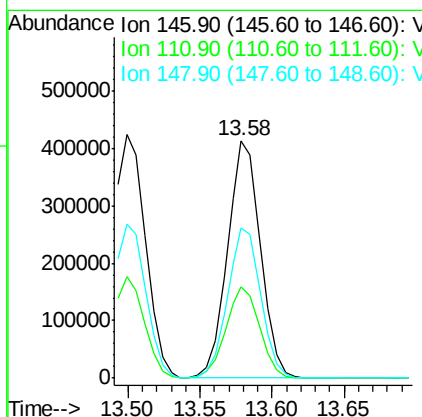
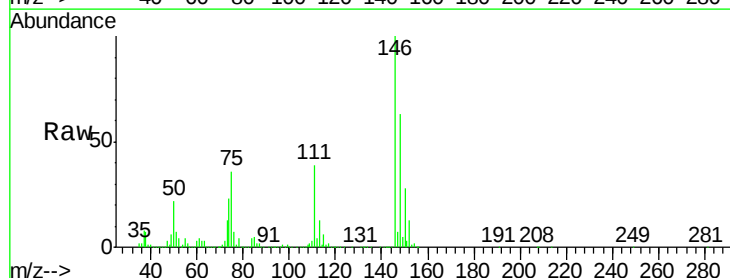
Manual Integrations
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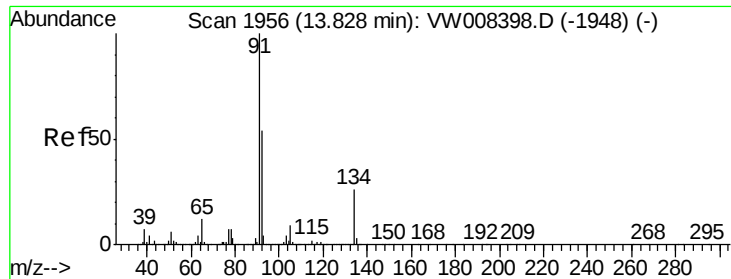
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#88
 1,4-Dichlorobenzene
 Concen: 55.270 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	659537		
111	39.5	20.0	60.0	
148	63.8	32.0	96.2	





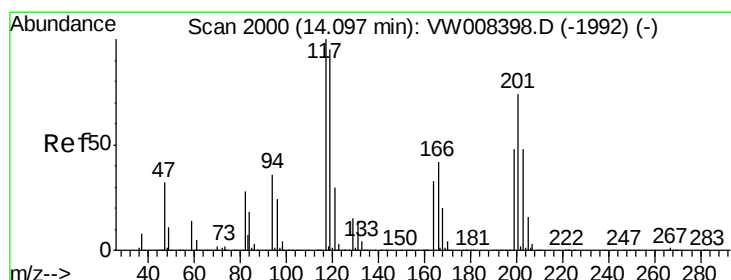
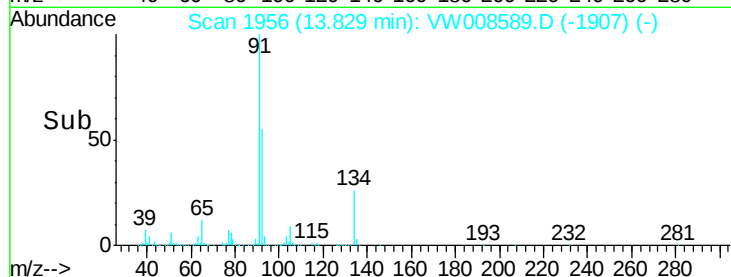
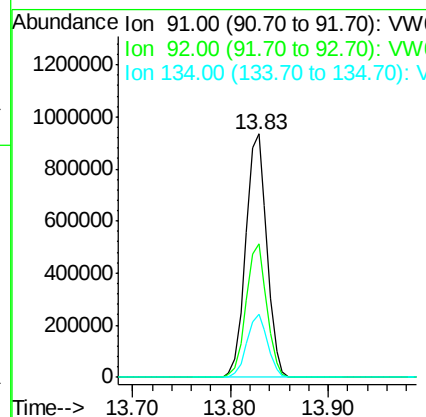
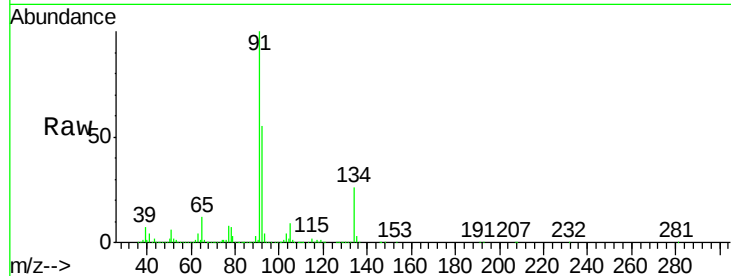
#89
n-Butylbenzene
Concen: 55.757 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1386744
Ion Ratio Lower Upper
91 100
92 54.1 27.4 82.2
134 25.8 13.0 39.0

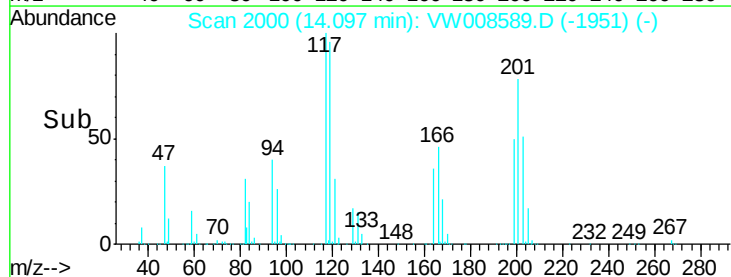
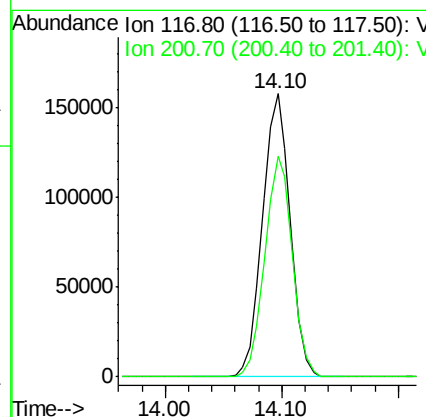
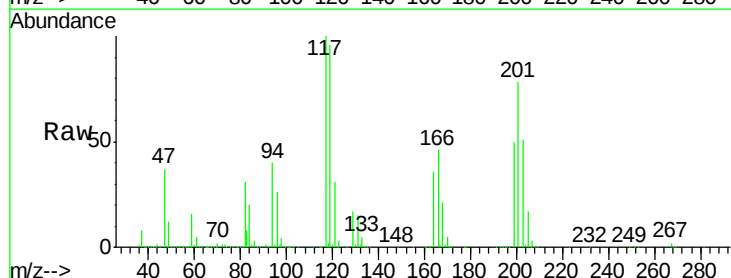
Manual Integrations
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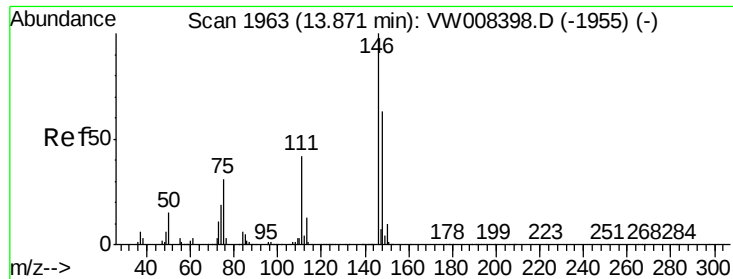
MMDadoda
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#90
Hexachloroethane
Concen: 52.620 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion: 117 Resp: 260665
Ion Ratio Lower Upper
117 100
201 77.5 39.1 117.5





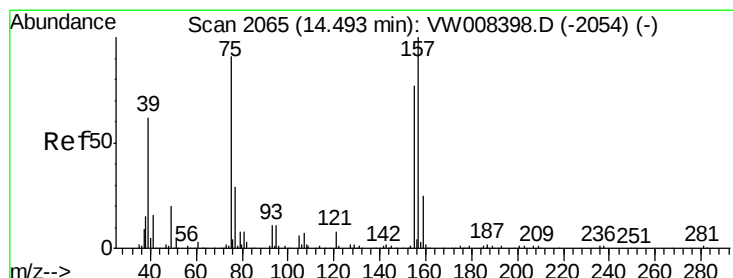
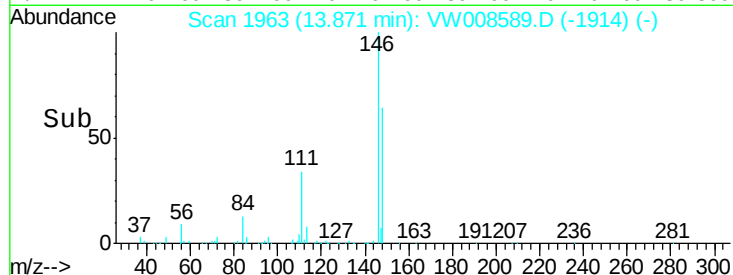
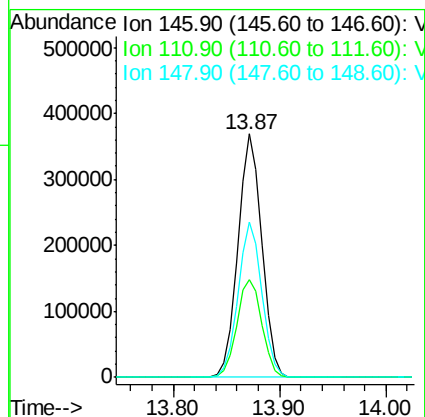
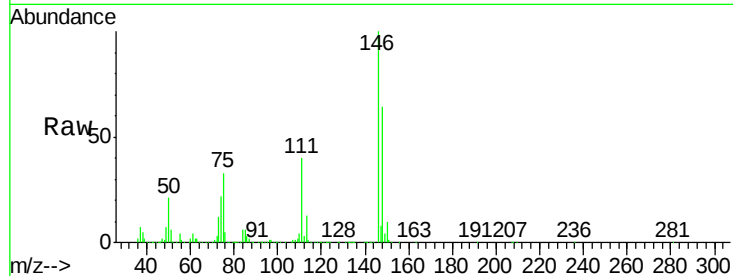
#91
 1,2-Dichlorobenzene
 Concen: 54.766 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	21.1	63.3	
148	63.5	31.9	95.5	

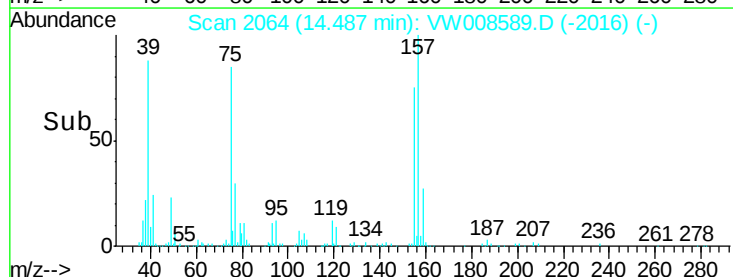
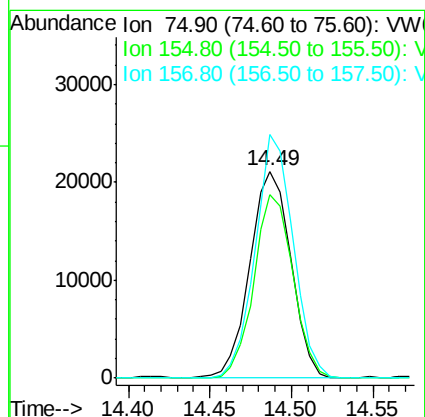
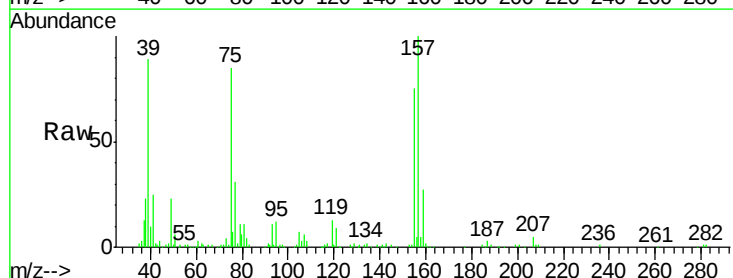
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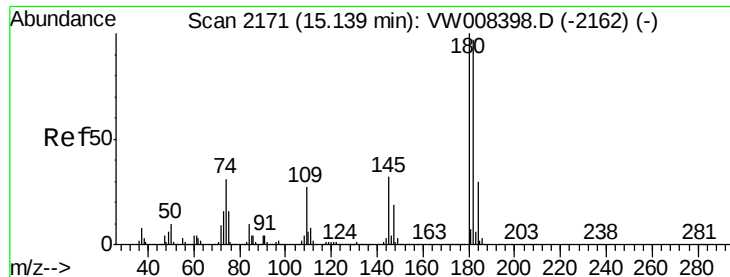
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.350 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	84.4	42.7	128.1	
157	108.9	55.5	166.3	





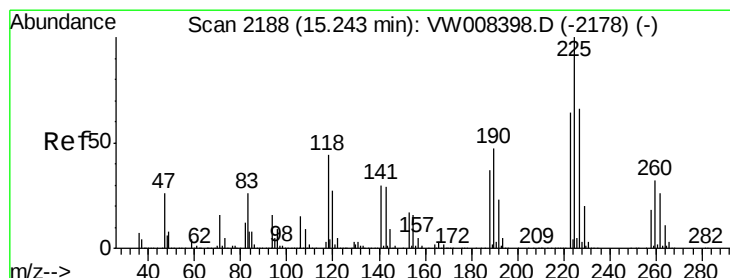
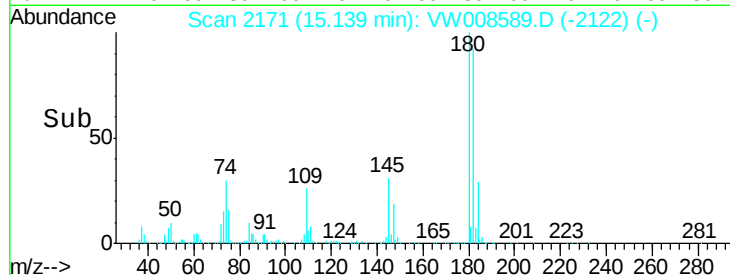
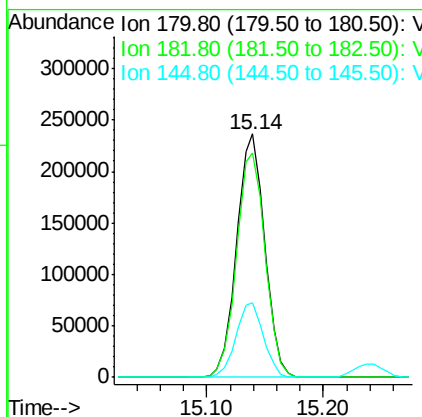
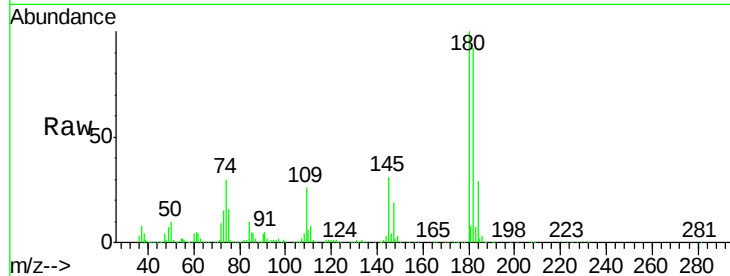
#93
 1,2,4-Trichlorobenzene
 Concen: 52.229 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	395983		
182	94.2	47.9	143.7	
145	30.1	15.5	46.5	

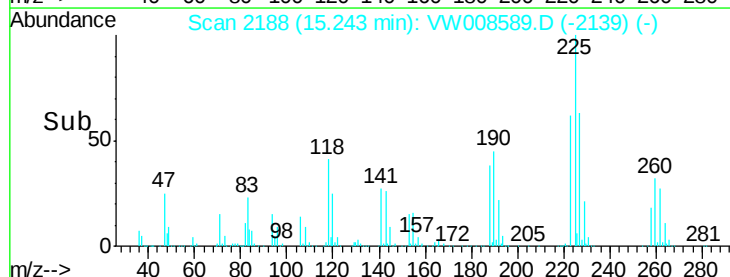
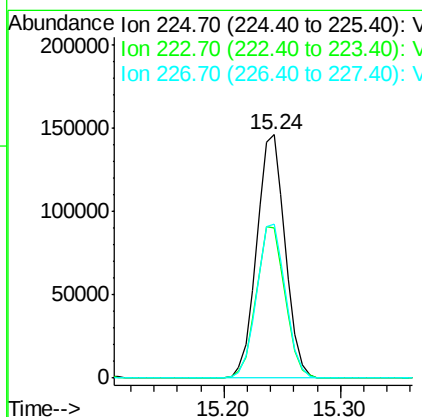
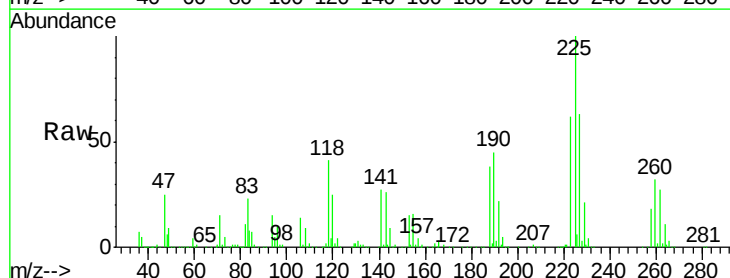
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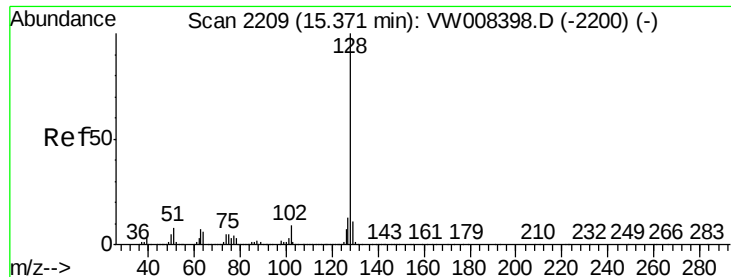
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#94
 Hexachlorobutadiene
 Concen: 54.461 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008589.D
 Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	248841		
223	63.0	31.7	95.1	
227	64.0	32.1	96.3	





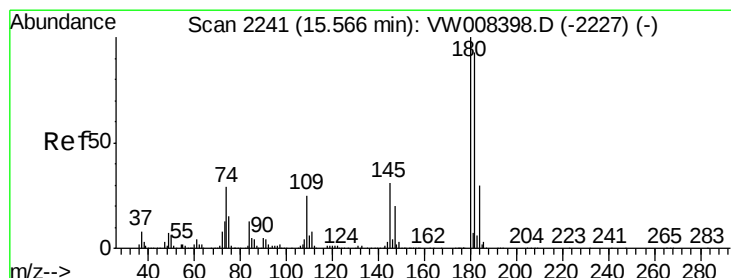
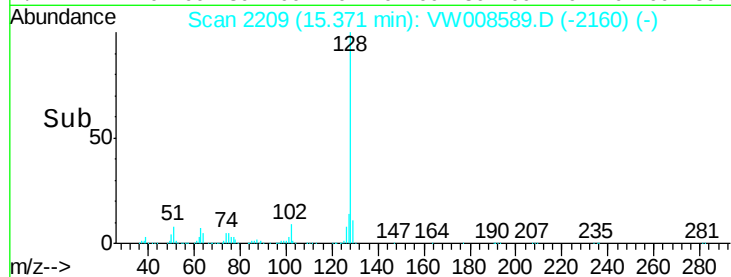
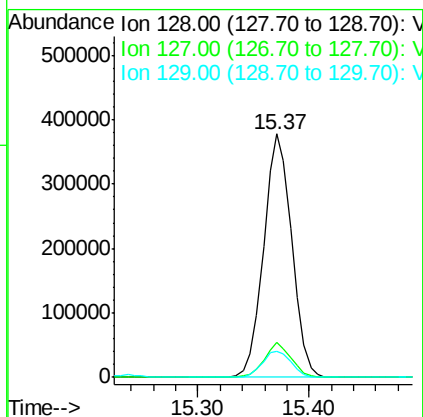
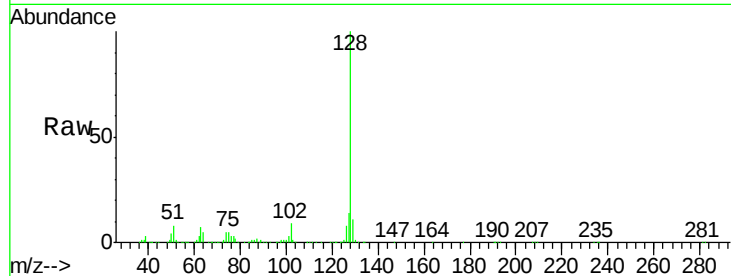
#95
Naphthalene
Concen: 49.765 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.910 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008589.D
Acq: 11 Feb 2019 11:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.2
145	31.4	15.9	47.6

