

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008878.D
 Acq On : 28 Feb 2019 10:44
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 2:56:47 PM

Quant Time: Mar 01 08:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	322539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136442	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
35) Dibromofluoromethane	7.88	113	132036	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.32	98	554496	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.62	95	204224	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	158916	49.193	ug/l 98
3) Chloromethane	2.21	50	200019	50.865	ug/l 95
4) Vinyl Chloride	2.36	62	201573	48.414	ug/l 98
5) Bromomethane	2.77	94	191767	62.011	ug/l 98
6) Chloroethane	2.92	64	143396	48.502	ug/l 98
7) Trichlorofluoromethane	3.26	101	267565	50.812	ug/l 97
8) Diethyl Ether	3.68	74	72539	43.512	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	159683	49.937	ug/l 99
10) Methyl Iodide	4.27	142	192091	48.039	ug/l 100
11) Tert butyl alcohol	5.19	59	43676	162.173	ug/l 99
12) 1,1-Dichloroethene	4.04	96	144646	51.220	ug/l 96
13) Acrolein	3.90	56	59549	212.822	ug/l 98
14) Allyl chloride	4.67	41	244327	50.128	ug/l 98
15) Acrylonitrile	5.37	53	148261	207.224	ug/l 99
16) Acetone	4.14	43	158637	226.237	ug/l 97
17) Carbon Disulfide	4.38	76	456997	48.773	ug/l 99
18) Methyl Acetate	4.68	43	68157m	40.980	ug/l
19) Methyl tert-butyl Ether	5.42	73	333103	43.578	ug/l 98
20) Methylene Chloride	4.92	84	163234	46.944	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	158718	48.587	ug/l 94
22) Diisopropyl ether	6.31	45	469541	48.292	ug/l 99
23) Vinyl Acetate	6.26	43	1338635	222.834	ug/l 99
24) 1,1-Dichloroethane	6.21	63	276354	49.050	ug/l 99
25) 2-Butanone	7.18	43	206745	210.895	ug/l 96
26) 2,2-Dichloropropane	7.17	77	262142	51.248	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	171020	48.942	ug/l 99
28) Bromochloromethane	7.51	49	104379	44.271	ug/l 99
29) Tetrahydrofuran	7.53	42	122916	196.750	ug/l 99
30) Chloroform	7.67	83	283650	49.074	ug/l 97
31) Cyclohexane	7.95	56	277122	48.591	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	266037	50.613	ug/l 98
36) 1,1-Dichloropropene	8.08	75	236738	54.542	ug/l 100
37) Ethyl Acetate	7.25	43	83797	41.516	ug/l 97
38) Carbon Tetrachloride	8.07	117	242317	52.937	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	291992	53.933	ug/l	96
40) Benzene	8.32	78	625439	52.776	ug/l	98
41) Methacrylonitrile	7.49	41	47838	40.321	ug/l	98
42) 1,2-Dichloroethane	8.40	62	180254	48.016	ug/l	100
43) Isopropyl Acetate	8.43	43	171245	42.510	ug/l	99
44) Trichloroethene	9.09	130	177683	53.223	ug/l	99
45) 1,2-Dichloropropane	9.37	63	148103	50.573	ug/l	99
46) Dibromomethane	9.46	93	77857	47.796	ug/l	96
47) Bromodichloromethane	9.64	83	201457	50.831	ug/l	97
48) Methyl methacrylate	9.43	41	86237	44.698	ug/l	98
49) 1,4-Dioxane	9.46	88	22386	858.162	ug/l #	70
51) 4-Methyl-2-Pentanone	10.21	43	436542	213.448	ug/l	100
52) Toluene	10.38	92	440440	54.762	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	200275	49.578	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	237806	51.616	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	104833	47.455	ug/l	96
56) Ethyl methacrylate	10.65	69	135422	47.184	ug/l	99
57) 1,3-Dichloropropane	10.93	76	185643	47.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	322483	223.404	ug/l	99
59) 2-Hexanone	10.97	43	328500	225.641	ug/l	100
60) Dibromochloromethane	11.13	129	133132	49.409	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101221	46.290	ug/l	99
64) Tetrachloroethene	10.86	164	162950	54.336	ug/l	96
65) Chlorobenzene	11.66	112	474930	53.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	155133	52.081	ug/l	99
67) Ethyl Benzene	11.73	91	880918	55.937	ug/l	100
68) m/p-Xylenes	11.84	106	691943	109.968	ug/l	100
69) o-Xylene	12.16	106	320985	54.349	ug/l	99
70) Styrene	12.18	104	514955	54.196	ug/l	99
71) Bromoform	12.35	173	75258	47.003	ug/l	99
73) Isopropylbenzene	12.46	105	891689	57.483	ug/l	100
74) N-amyl acetate	12.27	43	181148	46.360	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117698	46.435	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	87040m	46.589	ug/l	
77) Bromobenzene	12.75	156	196508	53.607	ug/l	99
78) n-propylbenzene	12.80	91	1096619	57.792	ug/l	100
79) 2-Chlorotoluene	12.90	91	603097	55.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	754195	55.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37366	48.623	ug/l	94
82) 4-Chlorotoluene	12.99	91	625920	55.133	ug/l	99
83) tert-Butylbenzene	13.21	119	659950	56.618	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	762771	54.661	ug/l	100
85) sec-Butylbenzene	13.38	105	962928	57.453	ug/l	100
86) p-Isopropyltoluene	13.50	119	865298	56.317	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	411016	54.042	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	399958	53.357	ug/l	100
89) n-Butylbenzene	13.83	91	825500	57.348	ug/l	100
90) Hexachloroethane	14.10	117	145017	57.654	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	351324	51.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20353	44.390	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	259460	53.139	ug/l	100
94) Hexachlorobutadiene	15.24	225	168890	58.722	ug/l	99
95) Naphthalene	15.37	128	395688	47.596	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	215723	51.098	ug/l	99

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

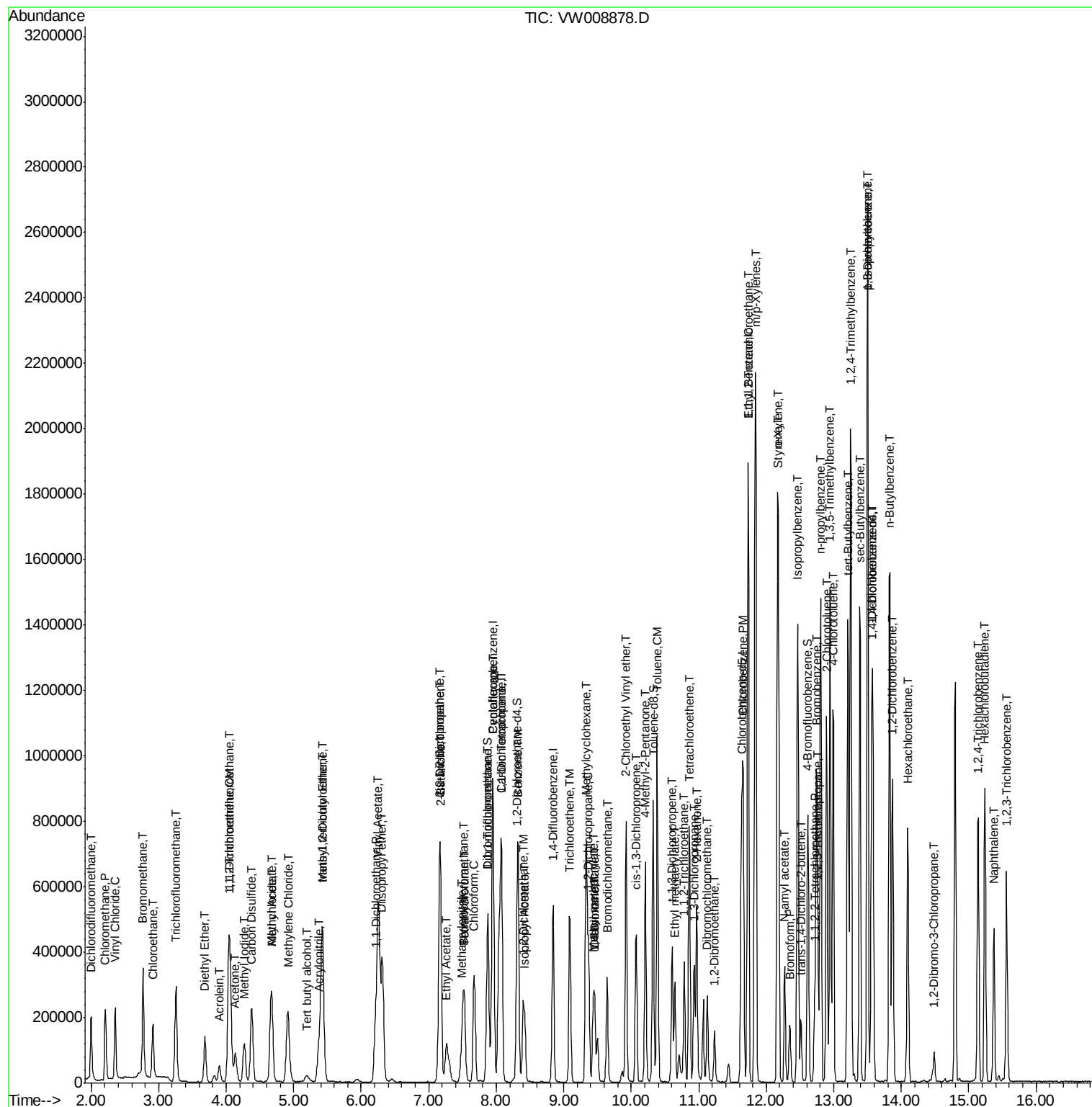
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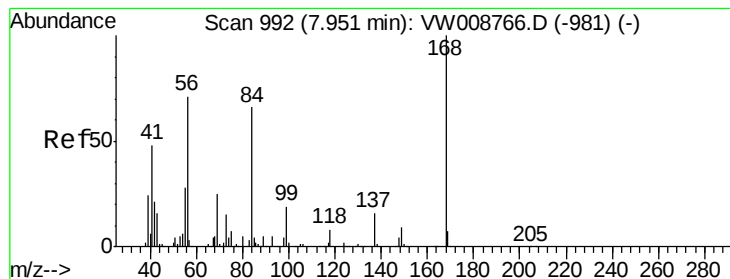
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 322539

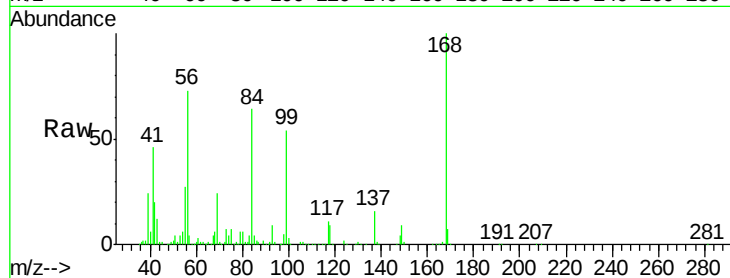
Ion Ratio Lower Upper

168 100

99 53.8 42.2 63.2

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

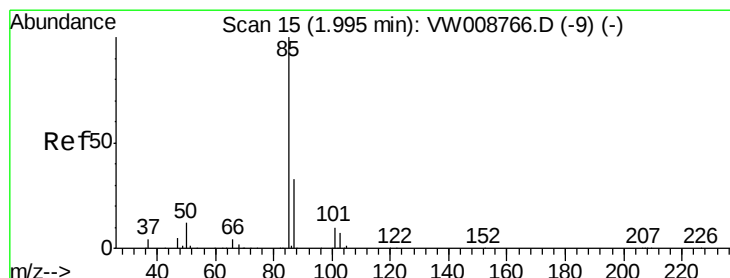
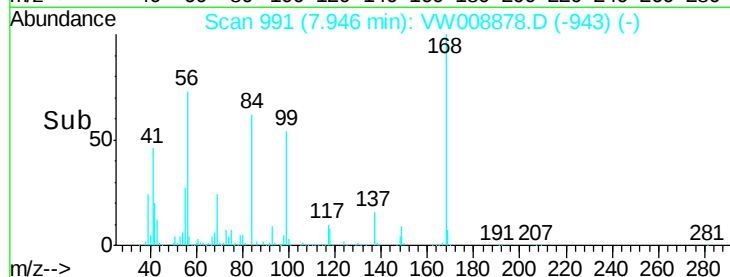
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.193 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008878.D

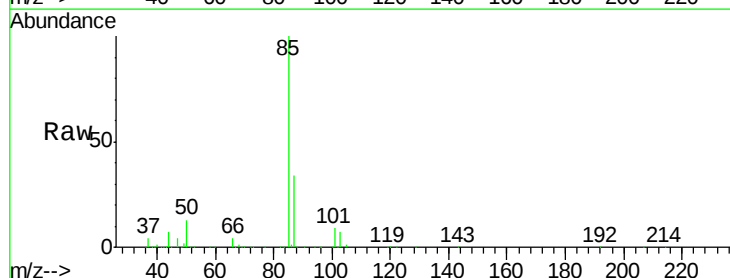
Acq: 28 Feb 2019 10:44

Tgt Ion: 85 Resp: 158916

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

120000

100000

80000

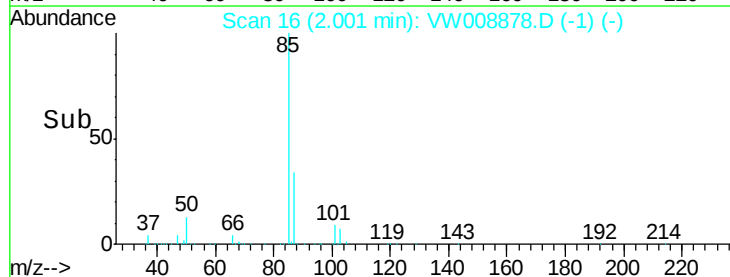
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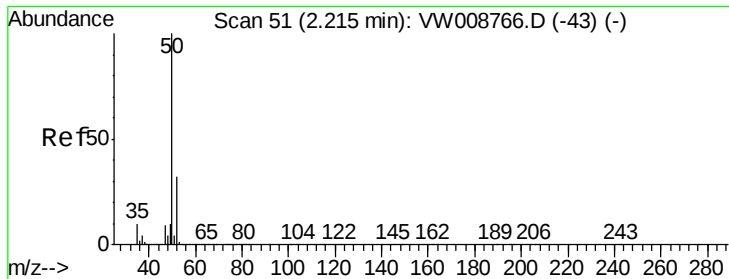
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 50.865 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 200019

Ion Ratio Lower Upper

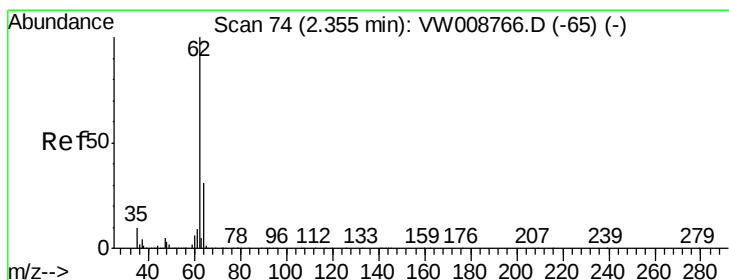
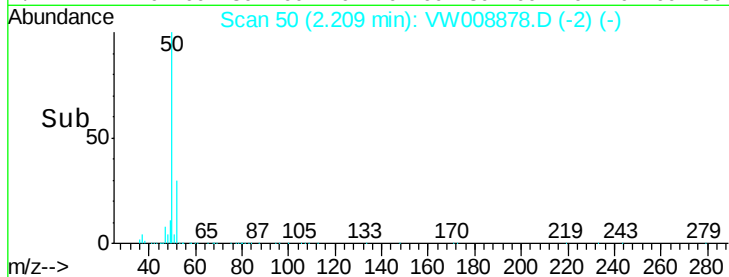
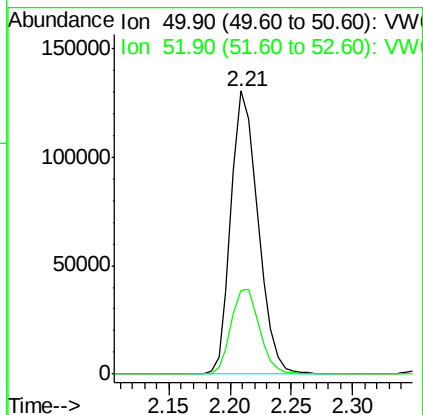
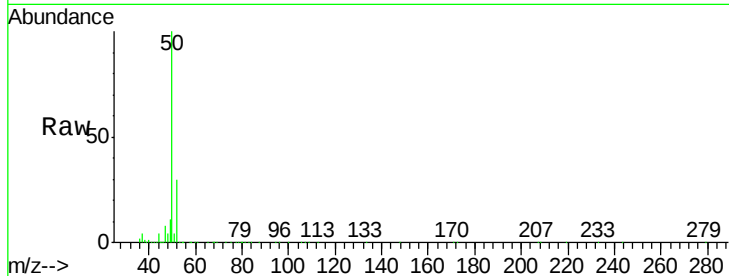
50 100

52 29.6 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.414 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008878.D

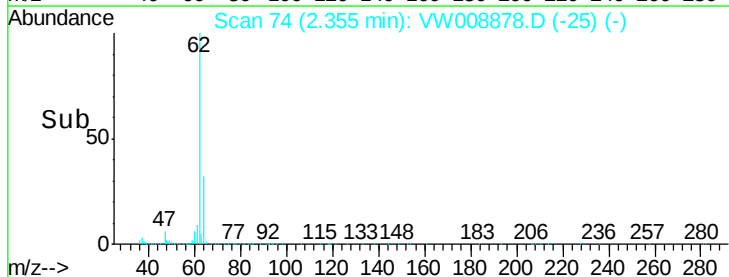
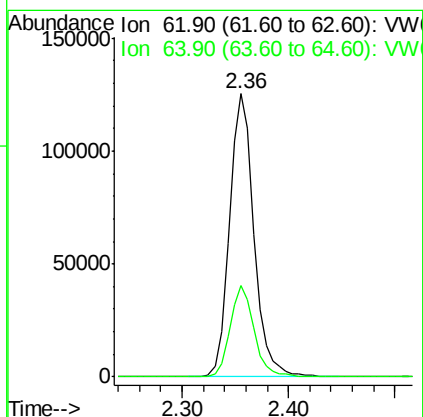
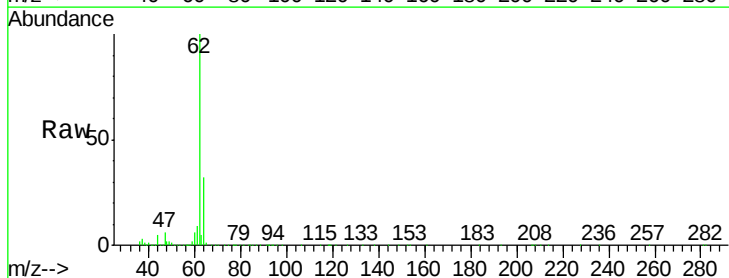
Acq: 28 Feb 2019 10:44

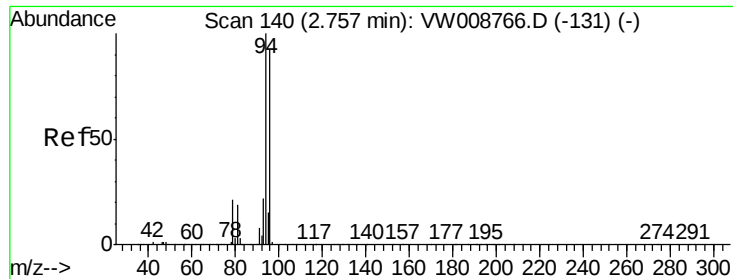
Tgt Ion: 62 Resp: 201573

Ion Ratio Lower Upper

62 100

64 32.4 24.9 37.3





#5

Bromomethane

Concen: 62.011 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 191767

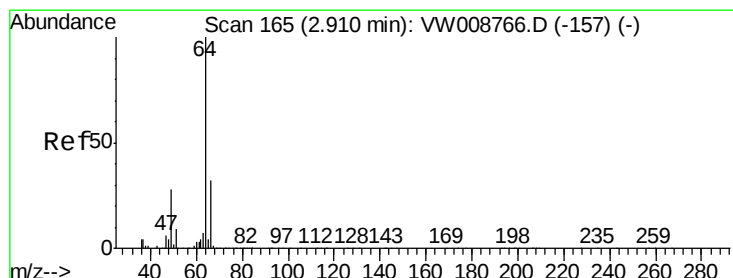
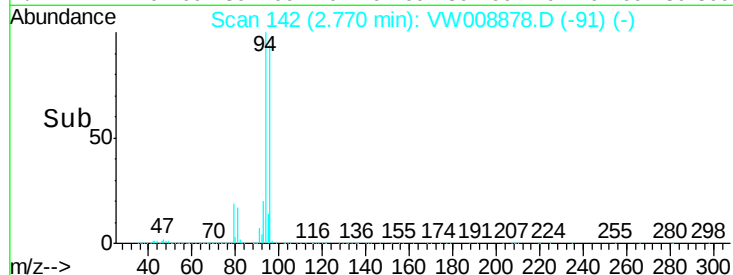
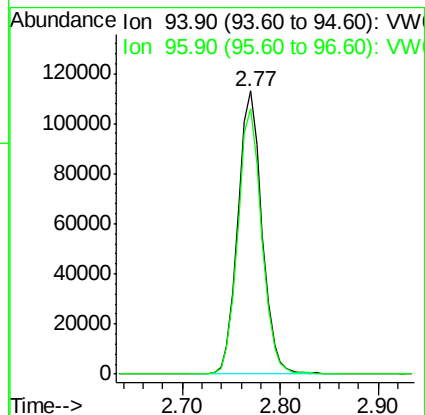
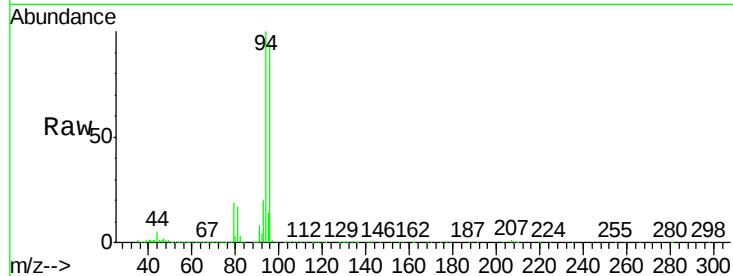
Ion Ratio Lower Upper

94 100

96 93.7 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 48.502 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008878.D

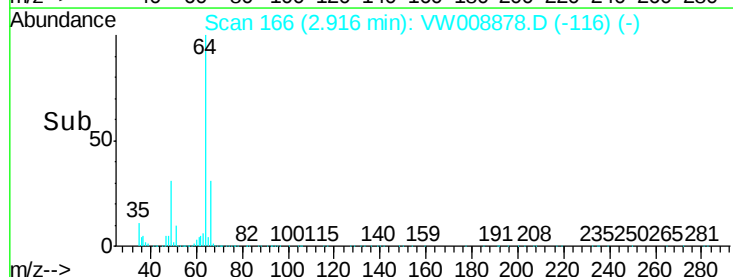
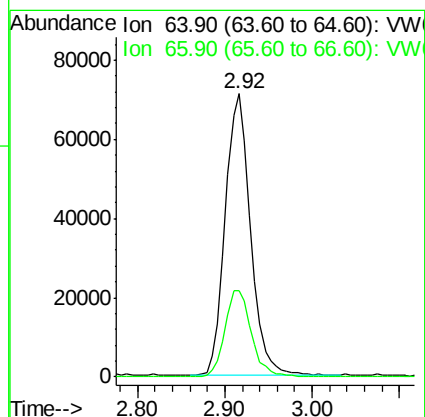
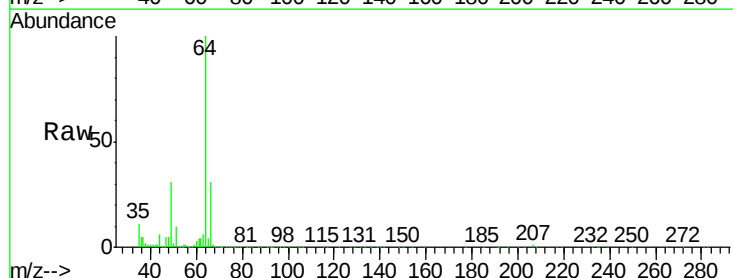
Acq: 28 Feb 2019 10:44

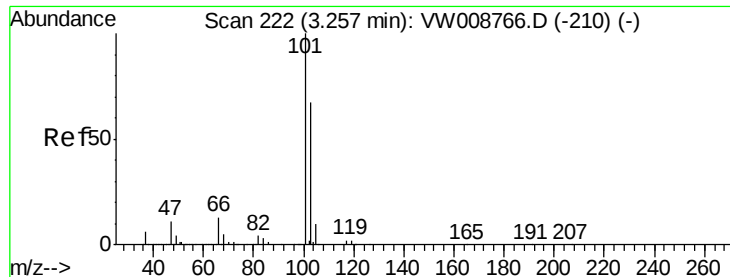
Tgt Ion: 64 Resp: 143396

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3





#7

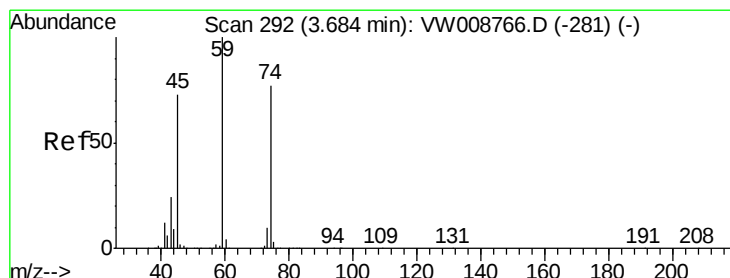
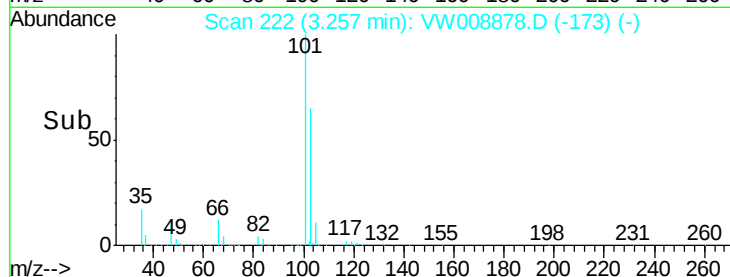
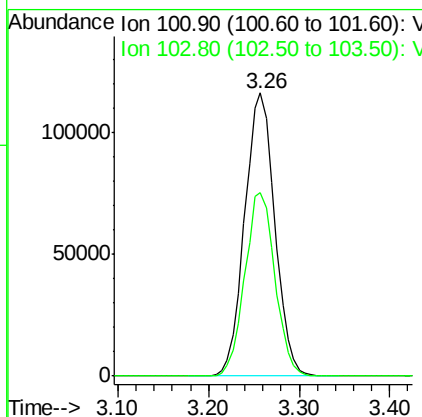
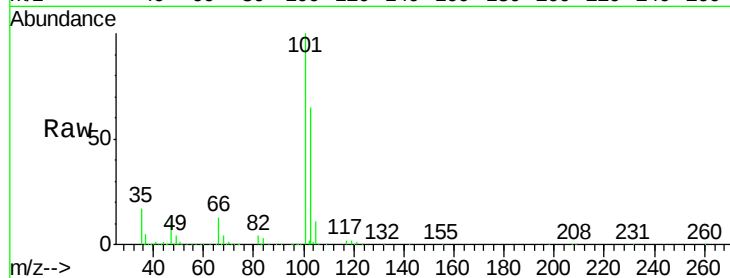
Trichlorofluoromethane
 Concen: 50.812 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008878.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.9	80.9

Manual Integrations
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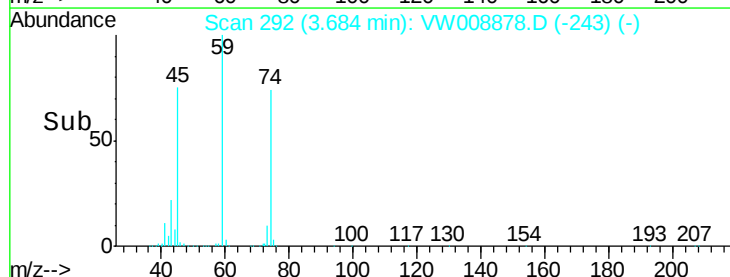
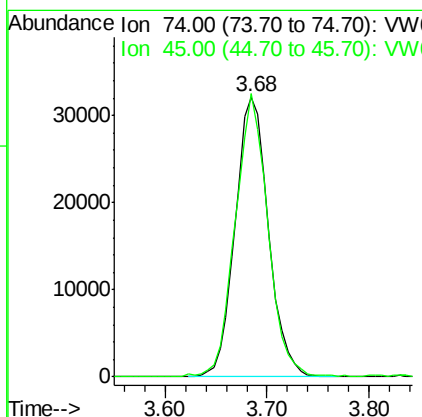
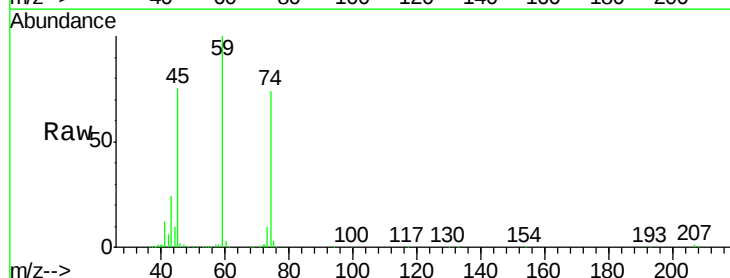
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#8

Diethyl Ether
 Concen: 43.512 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.937 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

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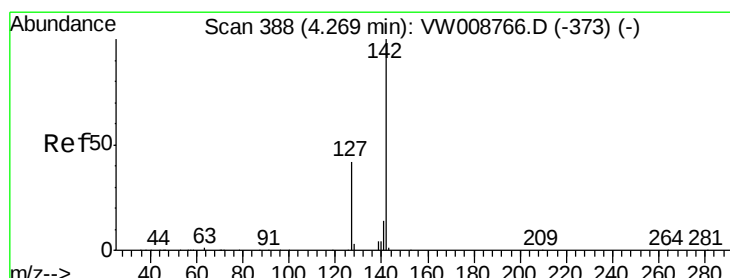
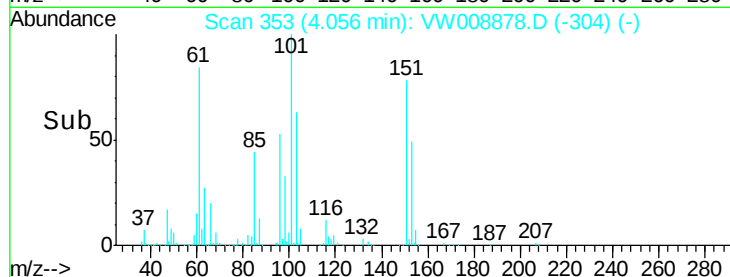
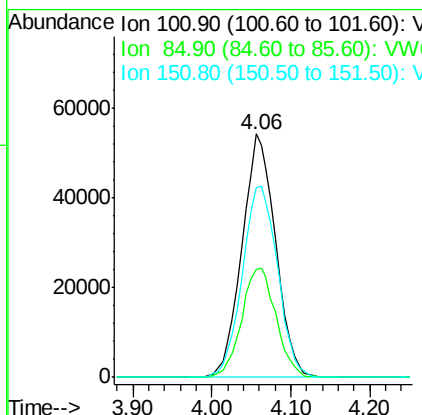
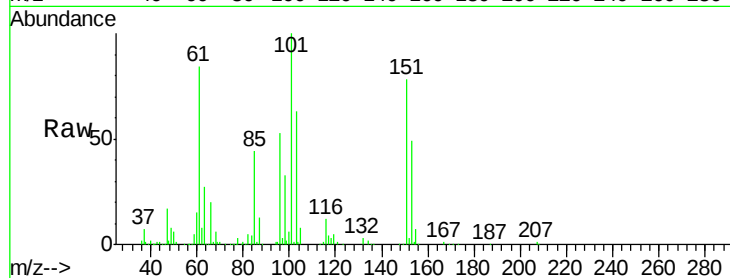
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	159683
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	82.8	65.5	98.3

Manual Integrations
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3/1/2019 2:56:47 PM



#10

Methyl Iodide

Concen: 48.039 ug/l

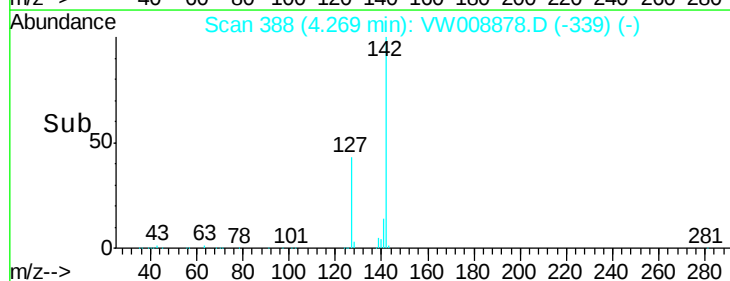
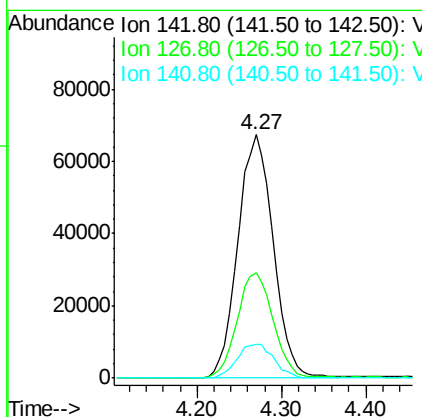
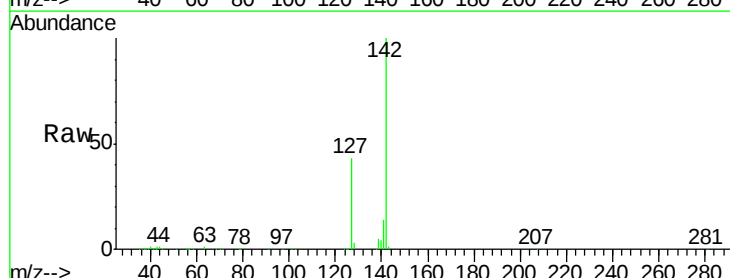
RT: 4.27 min Scan# 388

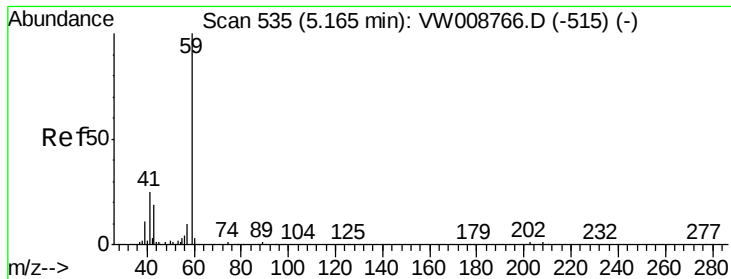
Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion:	142	Resp:	192091
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	14.6	11.7	17.5





#11

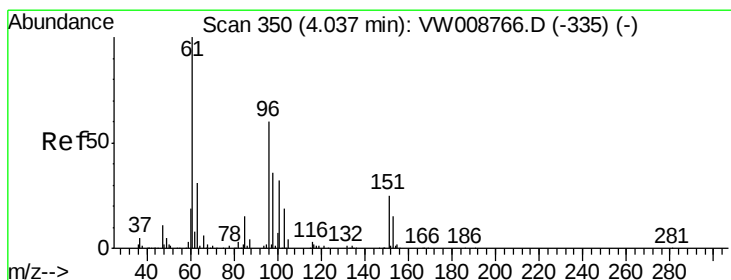
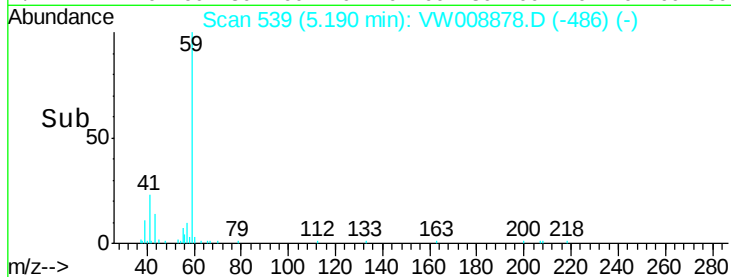
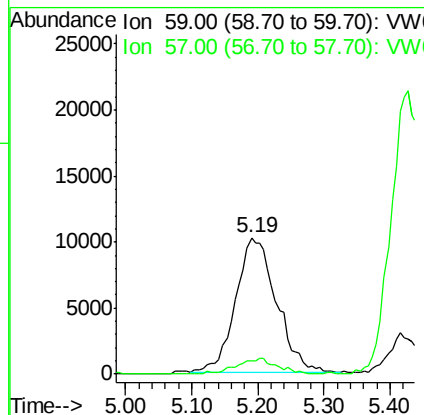
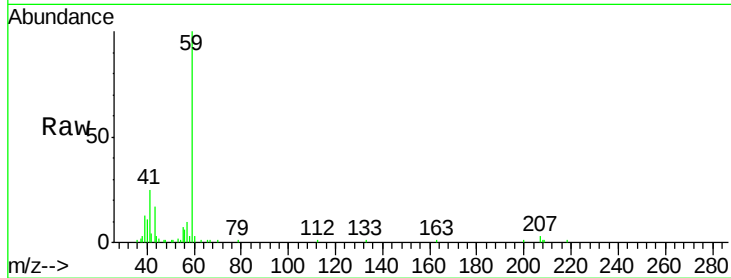
Tert butyl alcohol
Concen: 162.173 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.3	13.9

Manual Integrations
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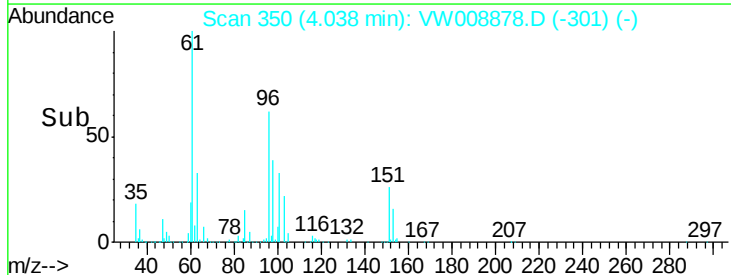
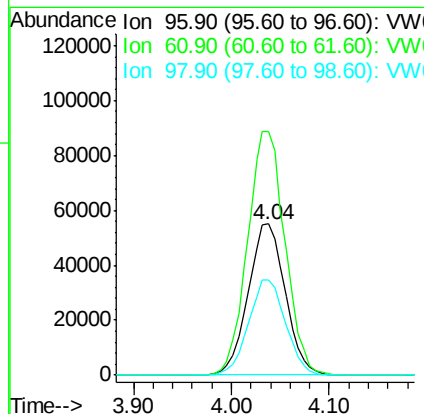
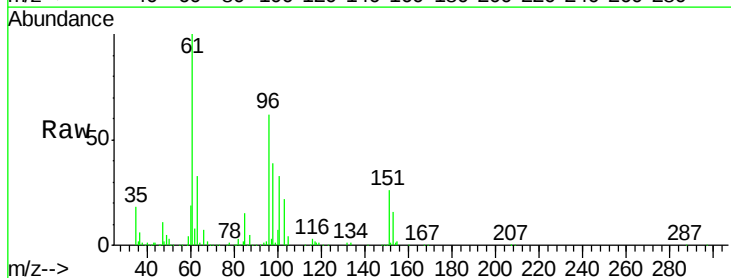
MMDadoda
3/1/2019 2:56:47 PM

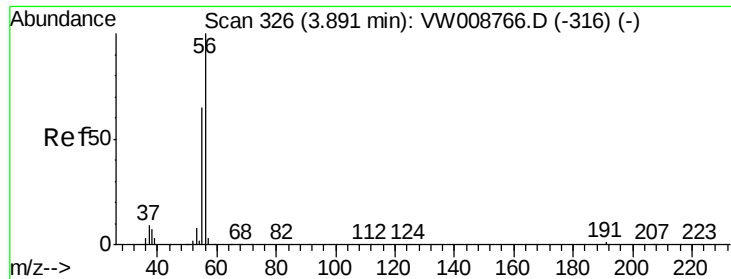


#12

1,1-Dichloroethene
Concen: 51.220 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	132.5	198.7
98	63.2	48.2	72.4





#13

Acrolein

Concen: 212.822 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59549

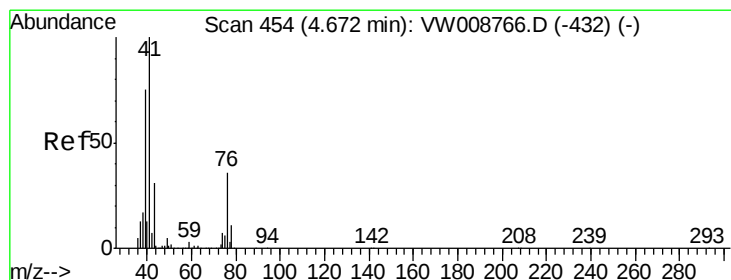
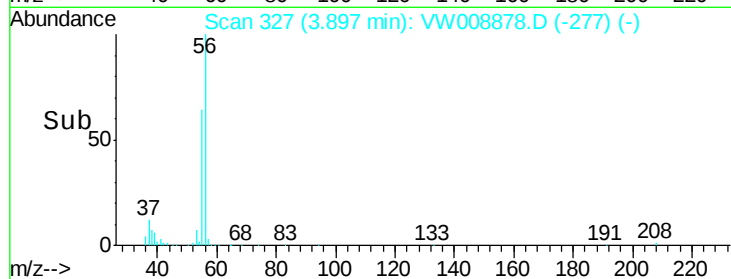
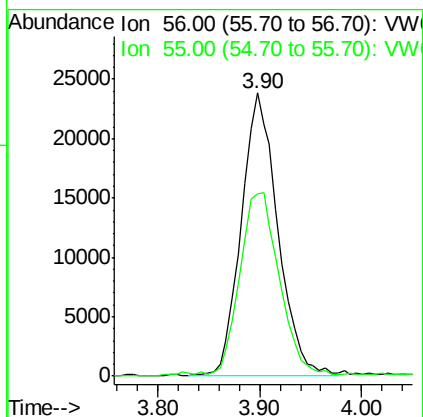
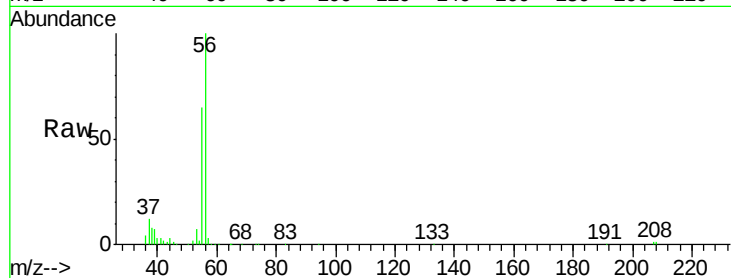
Ion Ratio Lower Upper

56 100

55 69.5 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 50.128 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

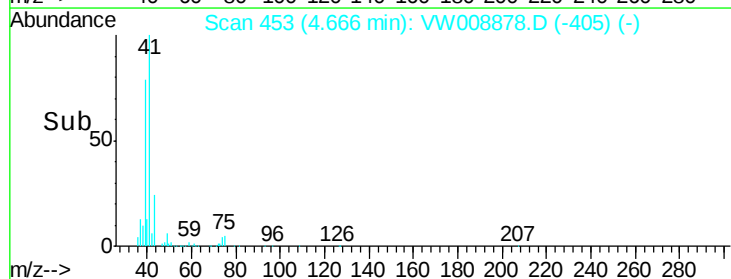
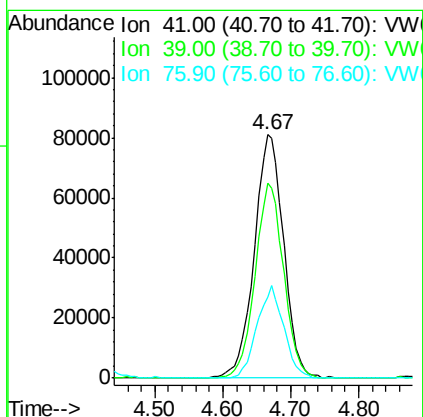
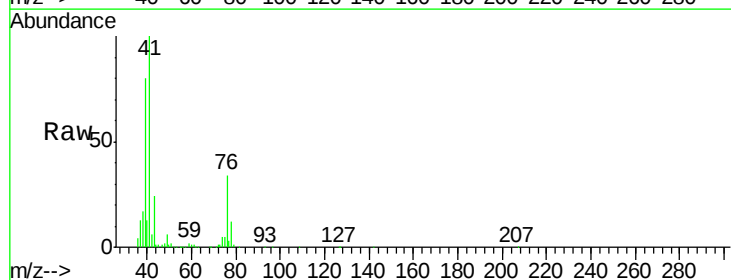
Tgt Ion: 41 Resp: 244327

Ion Ratio Lower Upper

41 100

39 77.5 60.6 91.0

76 34.6 28.6 42.8





#15

Acrylonitrile

Concen: 207.224 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

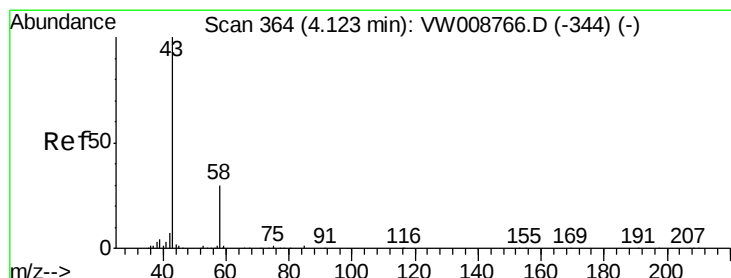
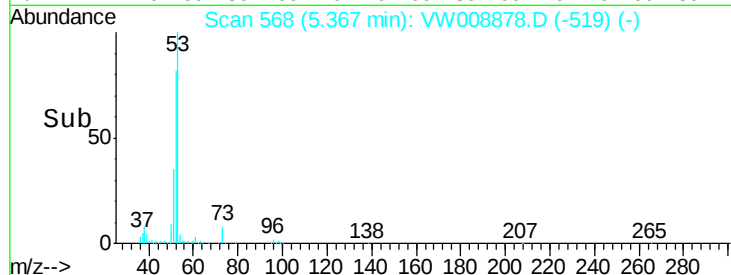
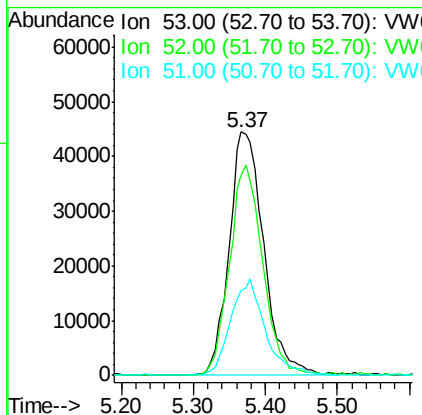
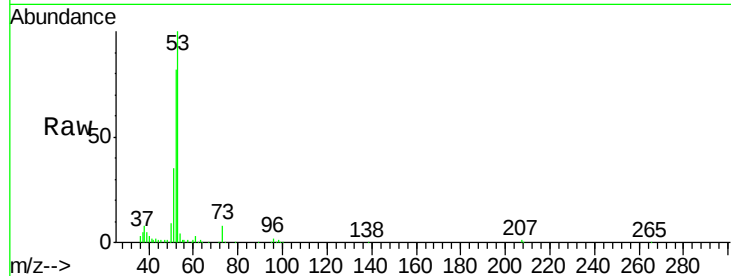
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	148261
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.2	100.8
51	39.5	31.1	46.7

Manual Integrations
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MMDadoda
3/1/2019 2:56:47 PM



#16

Acetone

Concen: 226.237 ug/l

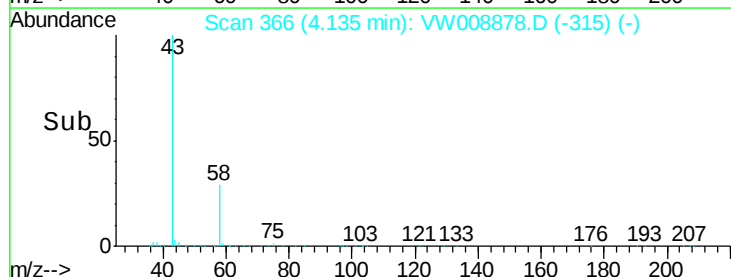
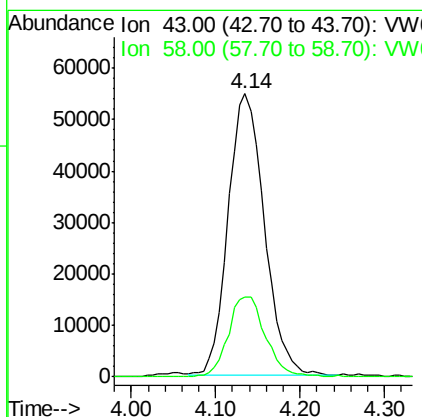
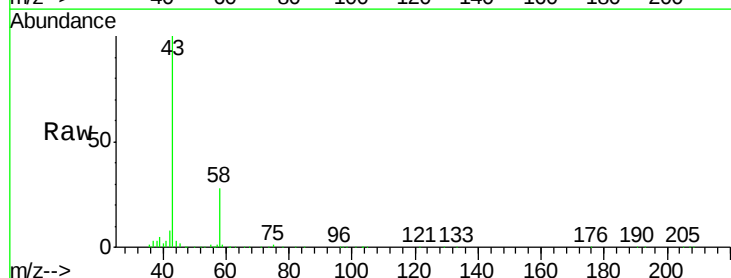
RT: 4.14 min Scan# 366

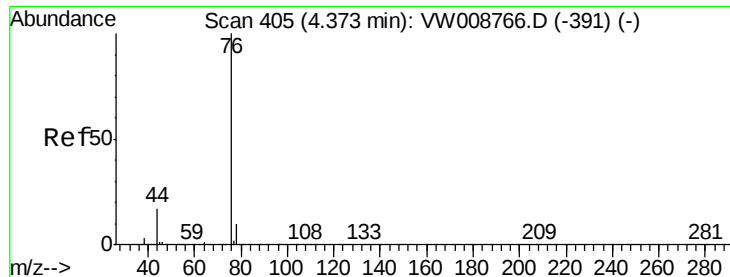
Delta R.T. 0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion:	43	Resp:	158637
Ion Ratio	Lower	Upper	
43	100		
58	28.0	23.8	35.6





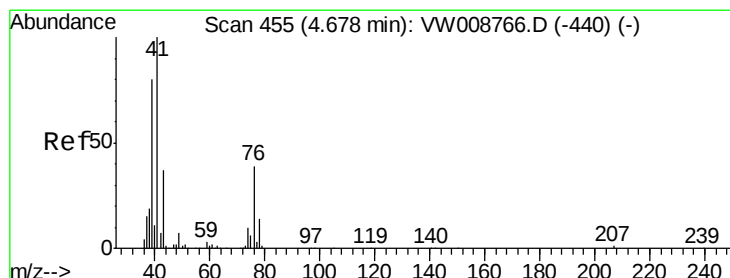
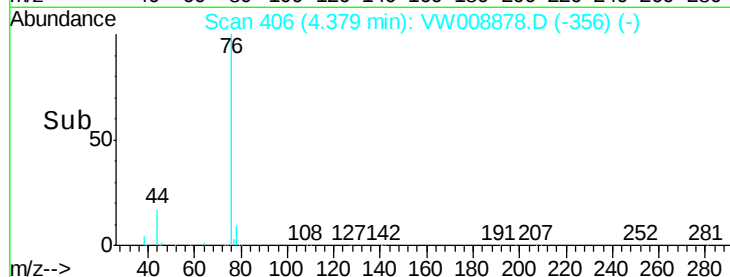
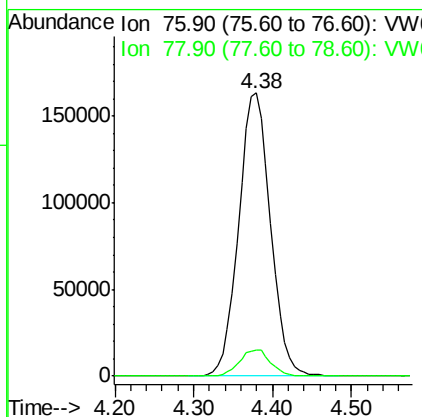
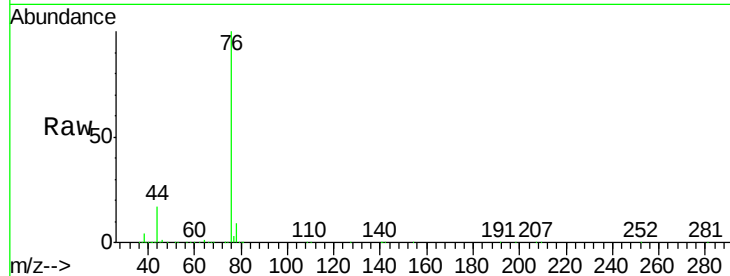
#17
Carbon Disulfide
Concen: 48.773 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.8

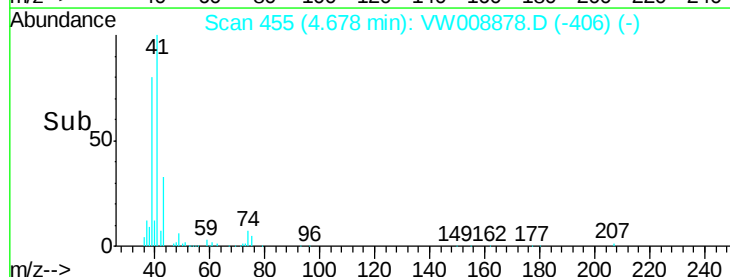
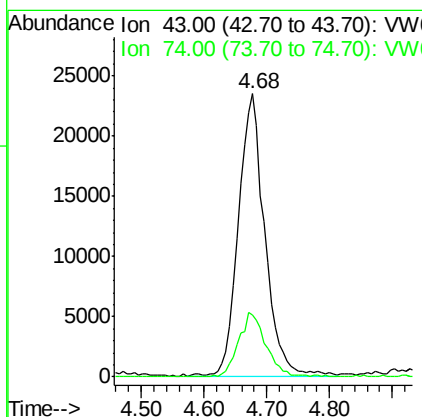
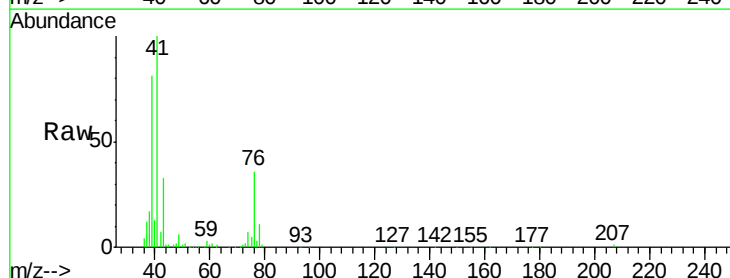
Manual Integrations
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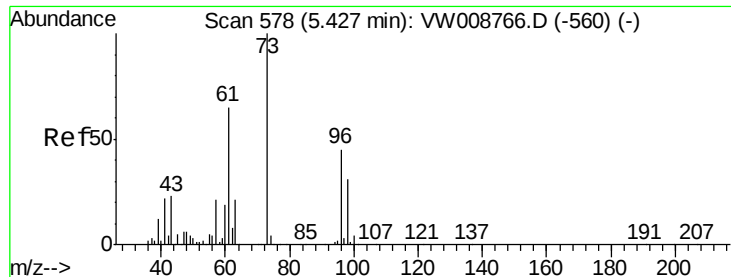
MMDadoda
3/1/2019 2:56:47 PM



#18
Methyl Acetate
Concen: 40.980 ug/l m
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.4	29.2





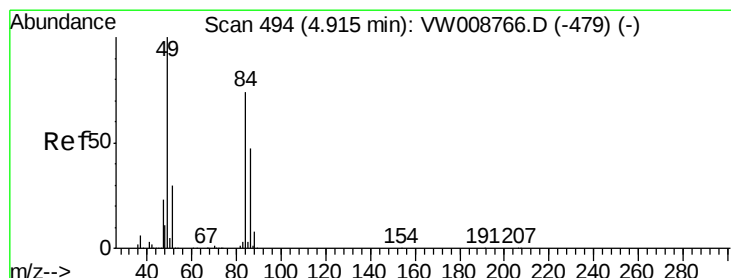
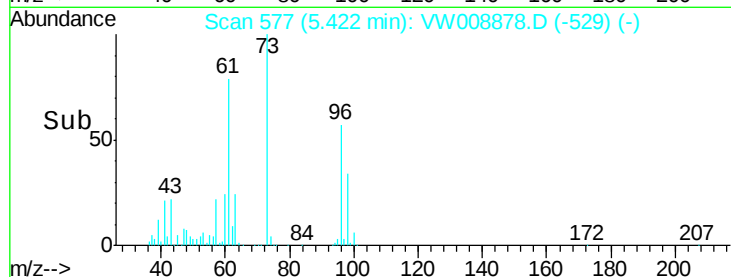
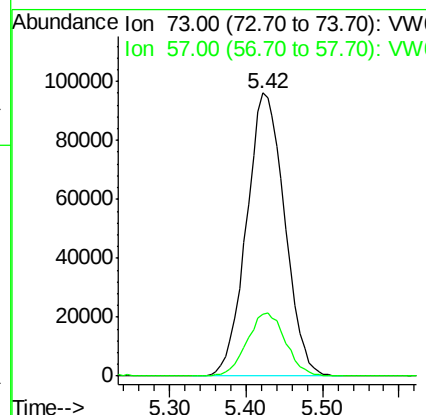
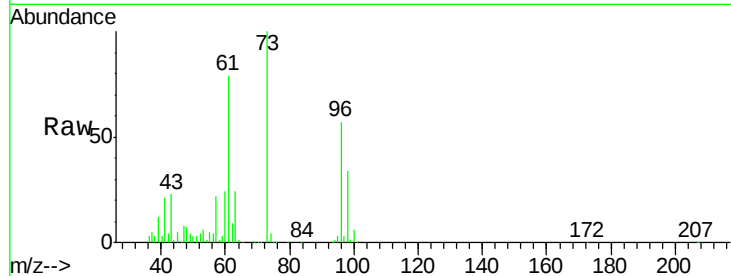
#19
Methvl tert-butvl Ether
Concen: 43.578 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 333103
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2

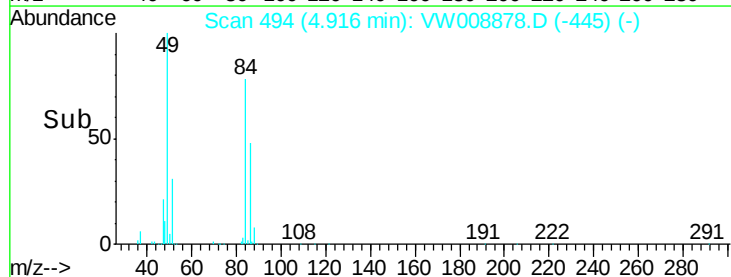
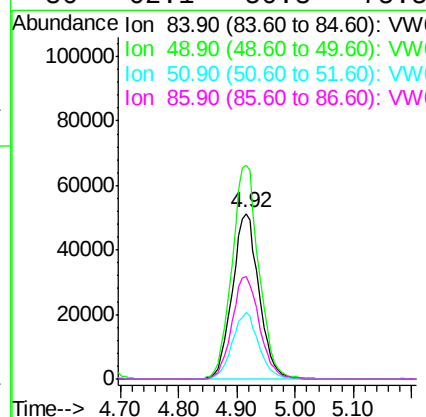
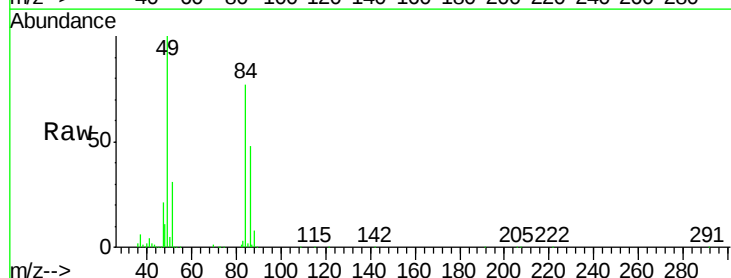
Manual Integrations
APPROVED

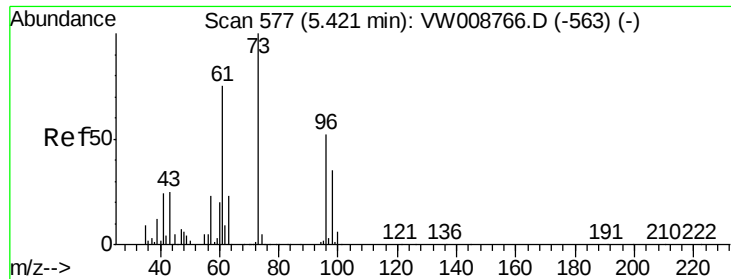
MMDadoda
3/1/2019 2:56:47 PM



#20
Methylene Chloride
Concen: 46.944 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion: 84 Resp: 163234
Ion Ratio Lower Upper
84 100
49 129.1 108.2 162.2
51 39.8 32.7 49.1
86 62.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 48.587 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

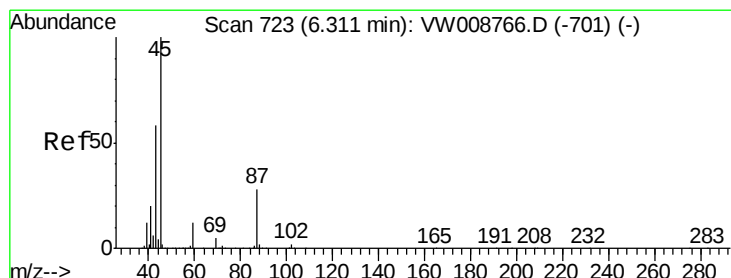
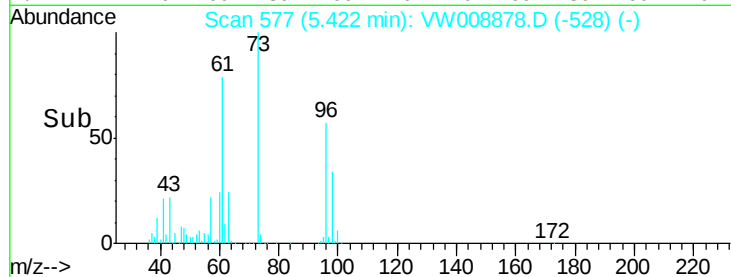
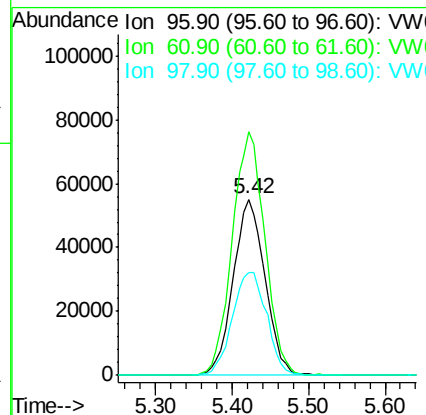
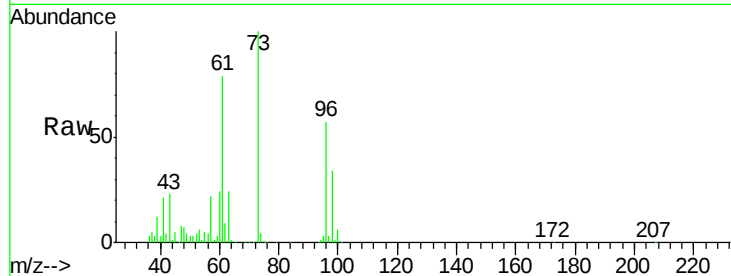
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	158718
Ion Ratio	Lower	Upper	
96	100		
61	137.9	114.6	171.8
98	58.6	54.0	81.0

Manual Integrations
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3/1/2019 2:56:47 PM



#22

Diisopropyl ether

Concen: 48.292 ug/l

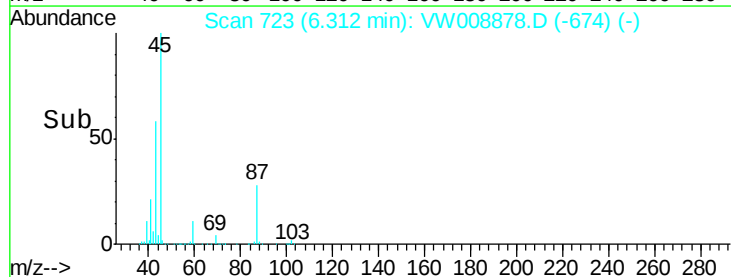
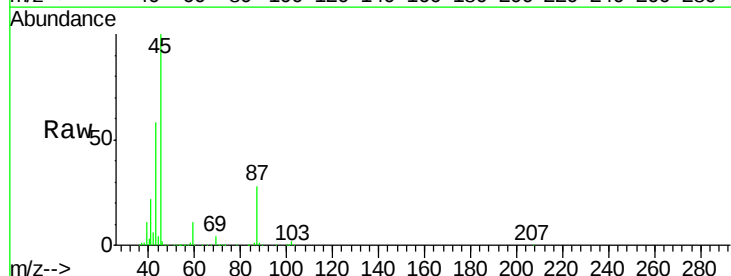
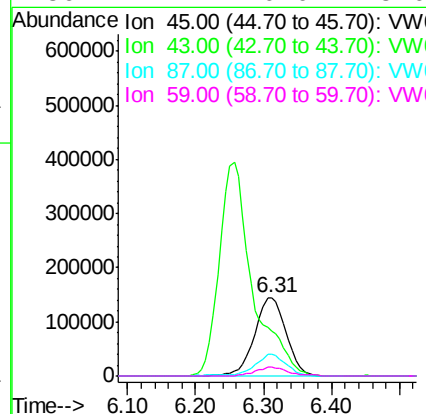
RT: 6.31 min Scan# 723

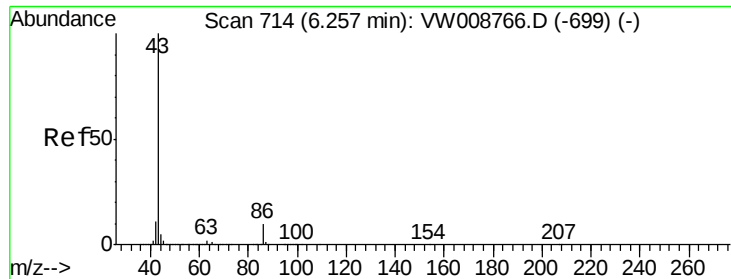
Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion:	45	Resp:	469541
Ion Ratio	Lower	Upper	
45	100		
43	56.8	46.1	69.1
87	28.3	22.2	33.4
59	11.1	10.0	15.0





#23

Vinyl Acetate

Concen: 222.834 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1338635

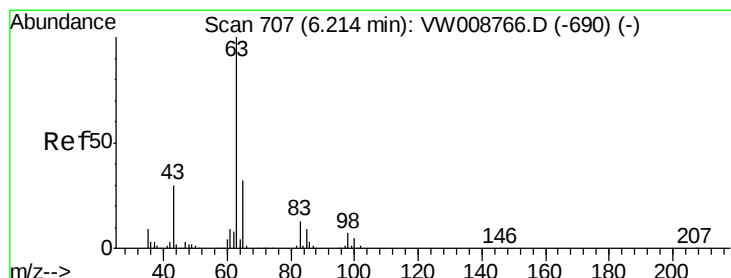
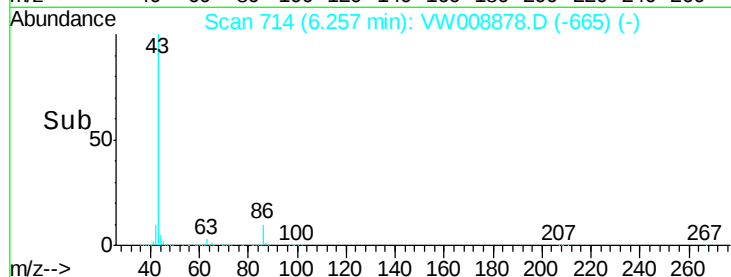
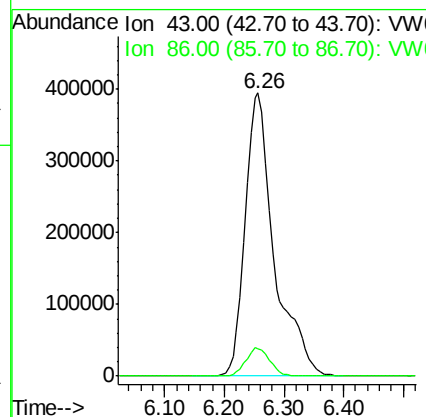
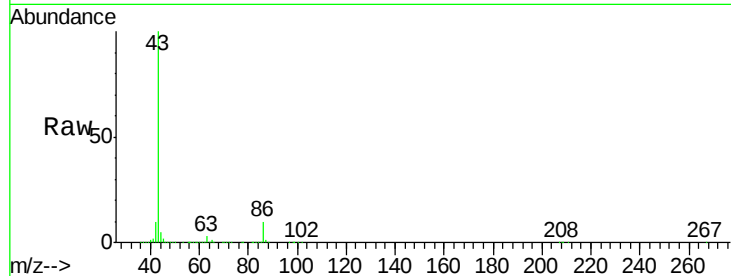
Ion Ratio Lower Upper

43 100

86 9.6 8.1 12.1

Manual Integrations
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3/1/2019 2:56:47 PM



#24

1,1-Dichloroethane

Concen: 49.050 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

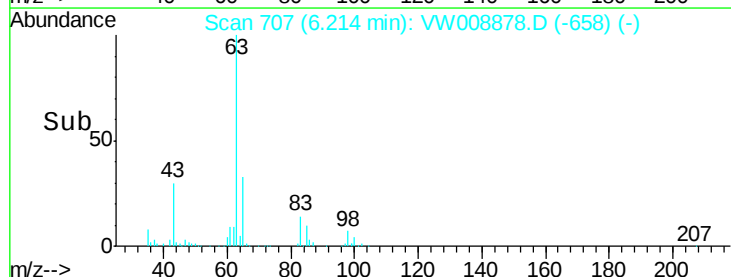
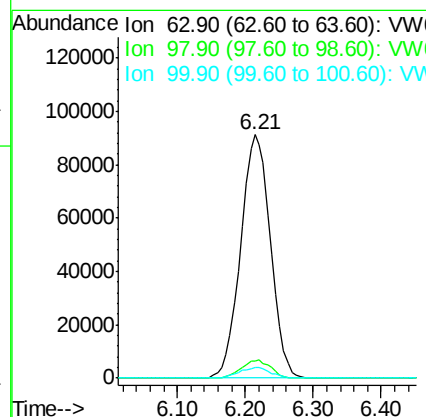
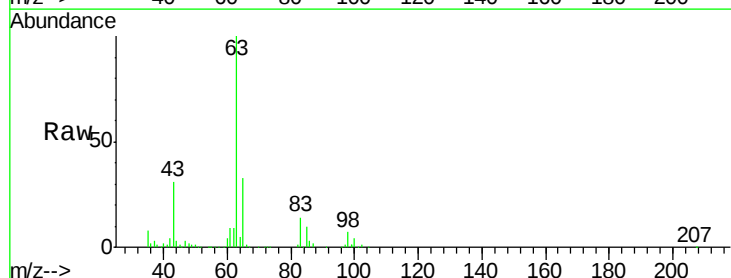
Tgt Ion: 63 Resp: 276354

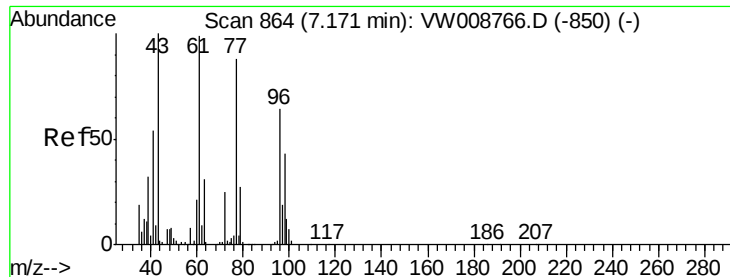
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 210.895 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 206745

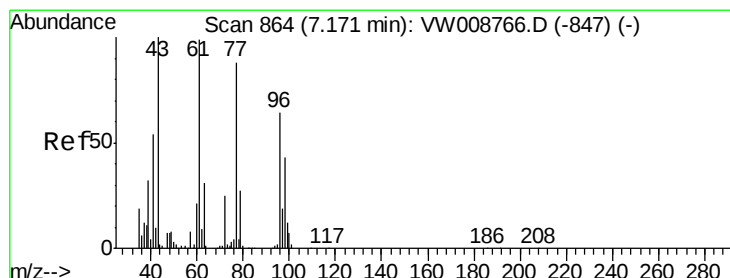
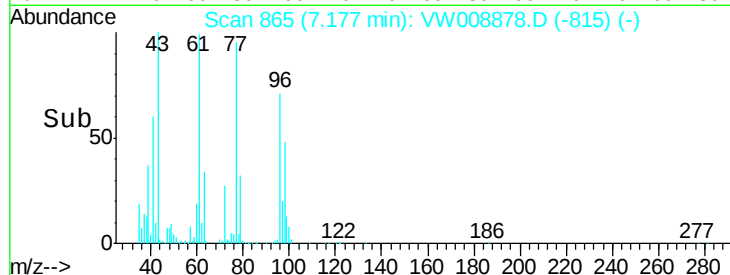
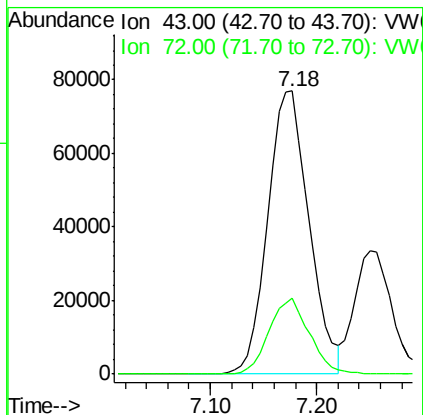
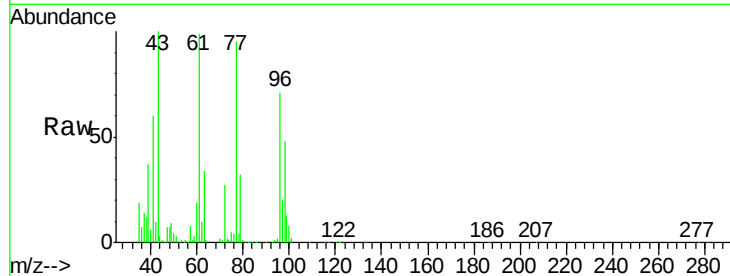
Ion Ratio Lower Upper

43 100

72 26.7 19.7 29.5

Manual Integrations
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MMDadoda
3/1/2019 2:56:47 PM



#26

2,2-Dichloropropane

Concen: 51.248 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008878.D

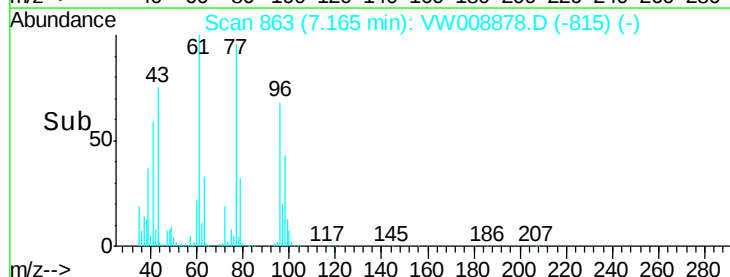
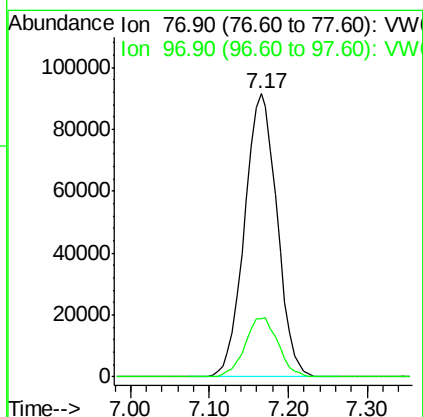
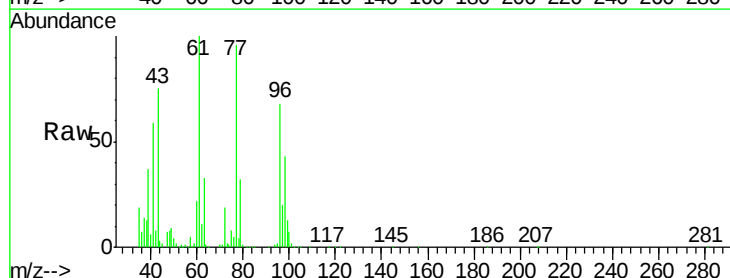
Acq: 28 Feb 2019 10:44

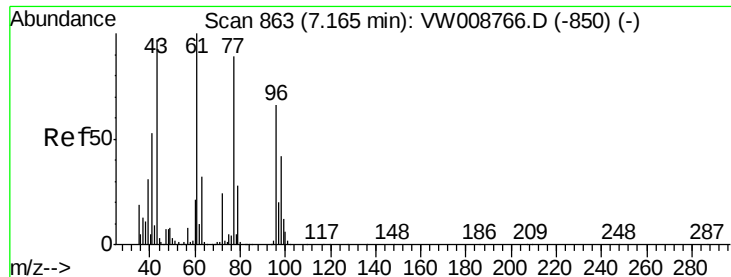
Tgt Ion: 77 Resp: 262142

Ion Ratio Lower Upper

77 100

97 21.4 11.0 33.0





#27

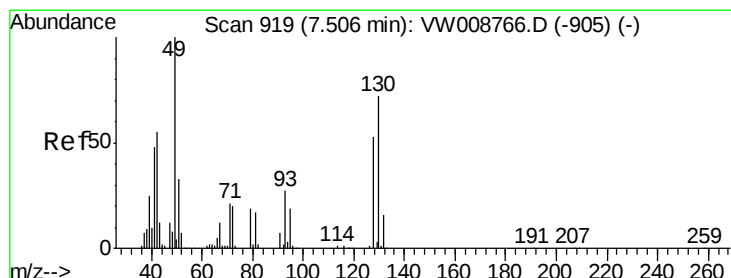
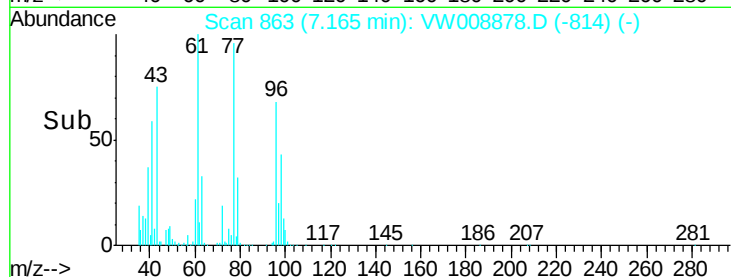
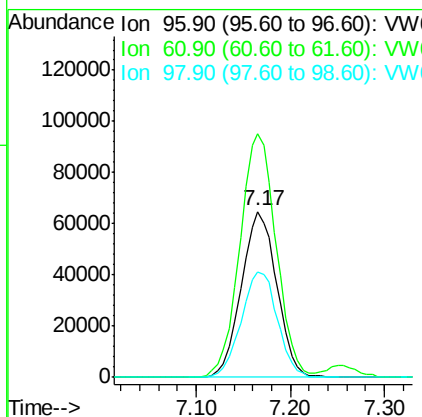
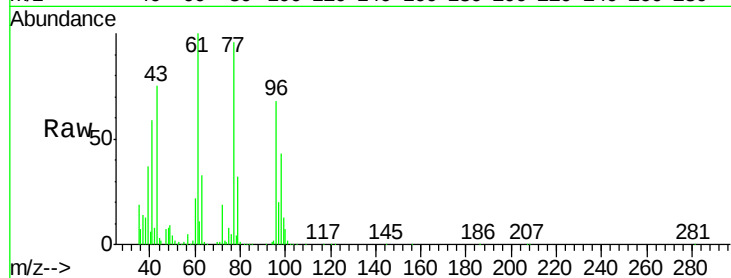
cis-1,2-Dichloroethene
Concen: 48.942 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	302.6
98	64.7	0.0	130.0

Manual Integrations
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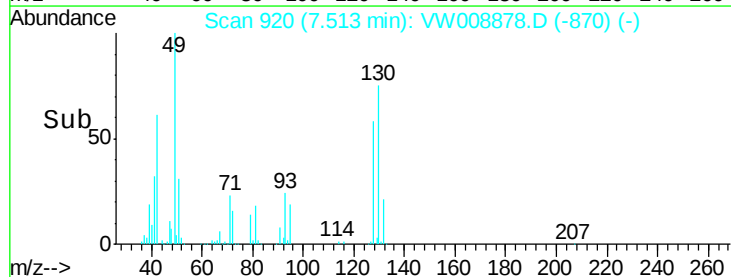
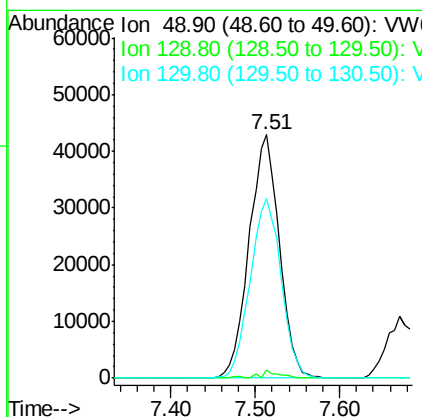
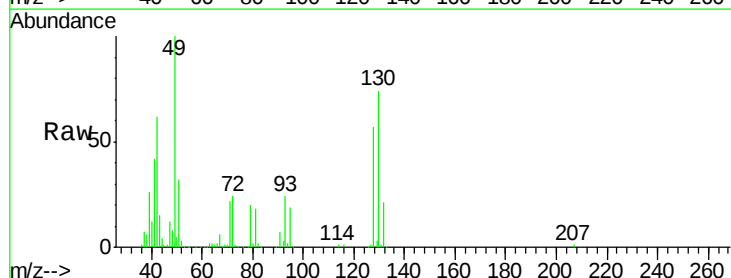
MMDadoda
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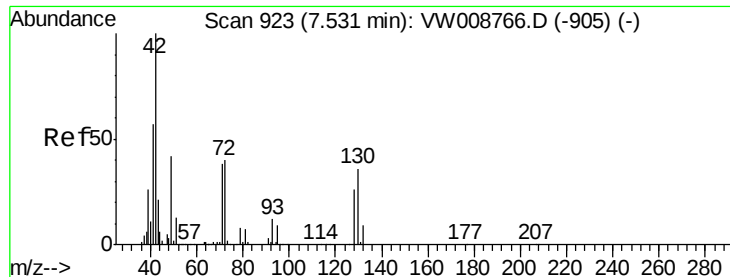


#28

Bromochloromethane
Concen: 44.271 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	75.8	61.3	91.9





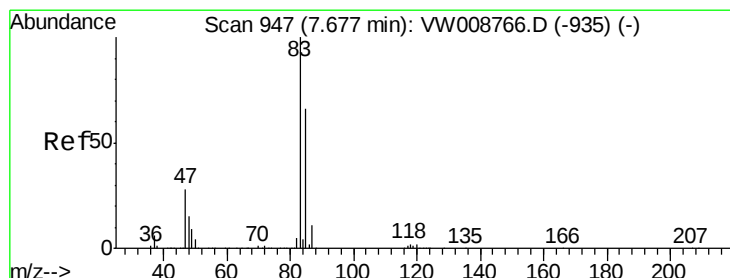
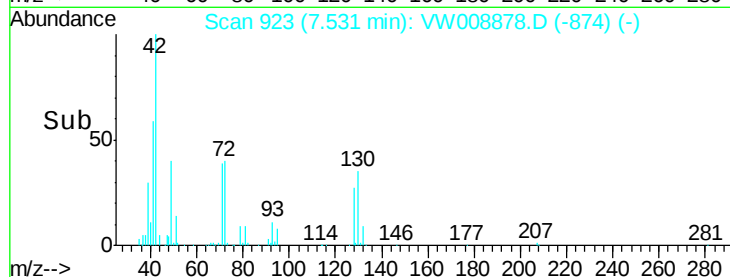
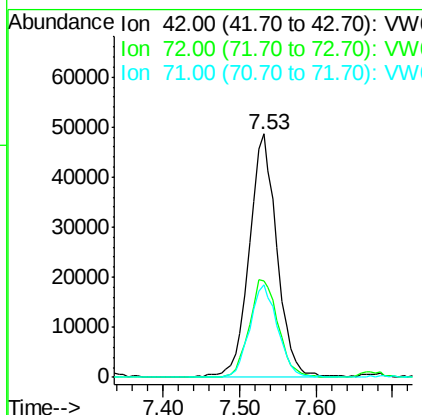
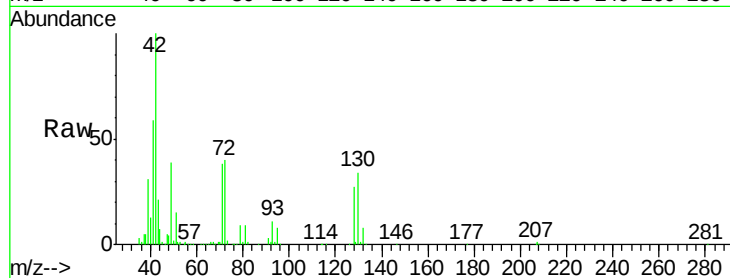
#29
Tetrahydrofuran
Concen: 196.750 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.7	49.1
71	38.2	31.3	46.9

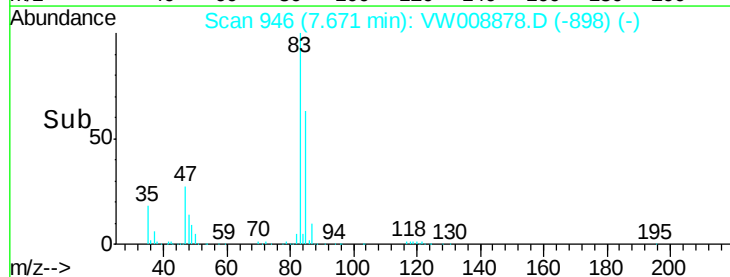
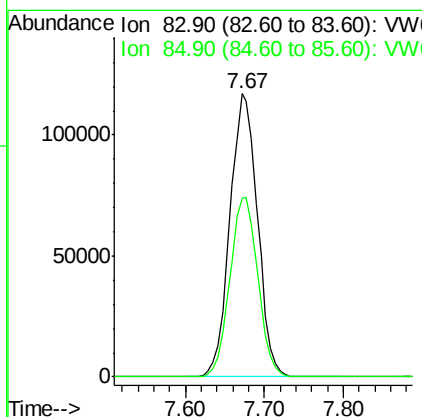
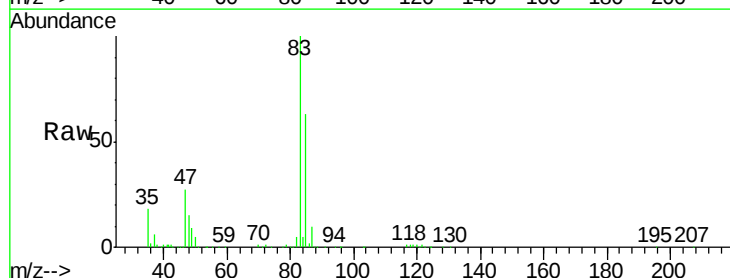
Manual Integrations
APPROVED

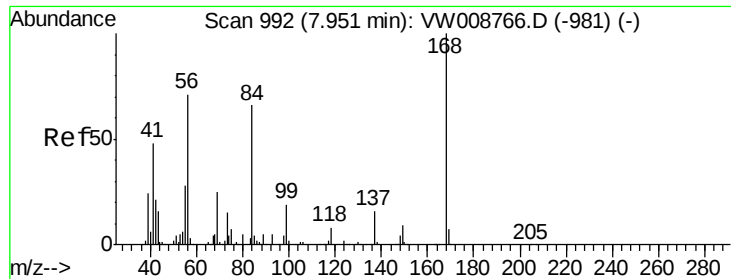
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#30
Chloroform
Concen: 49.074 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	79.0





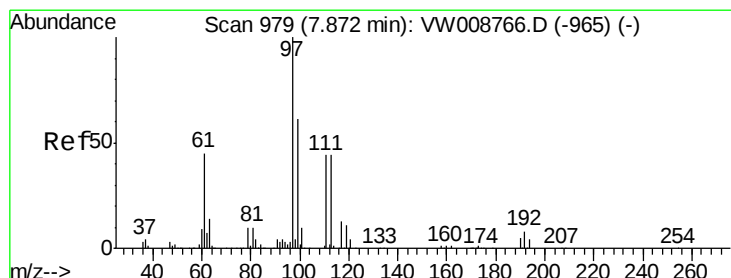
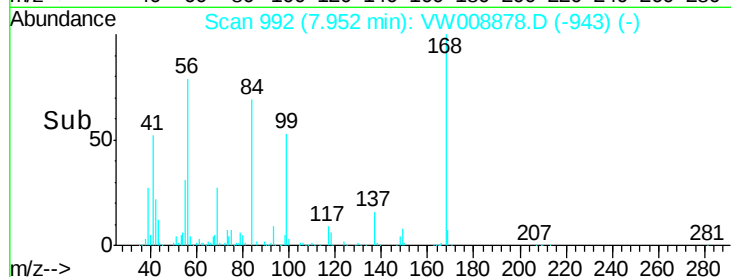
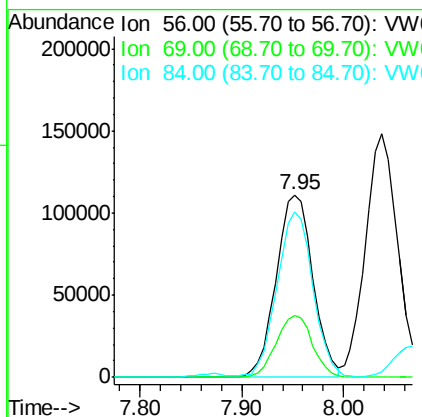
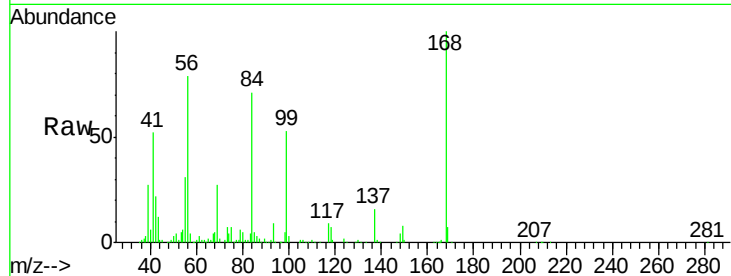
#31
Cyclohexane
Concen: 48.591 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	28.2	42.4
84	89.7	74.1	111.1

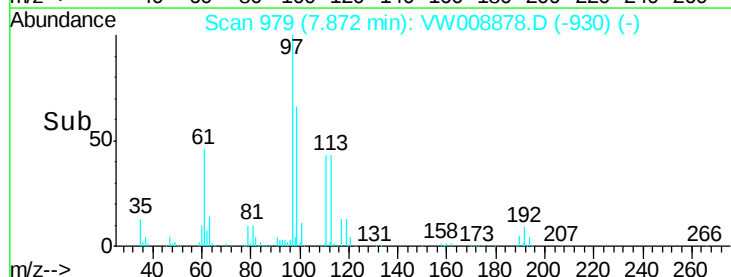
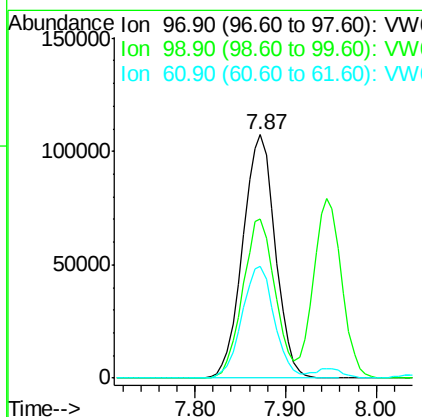
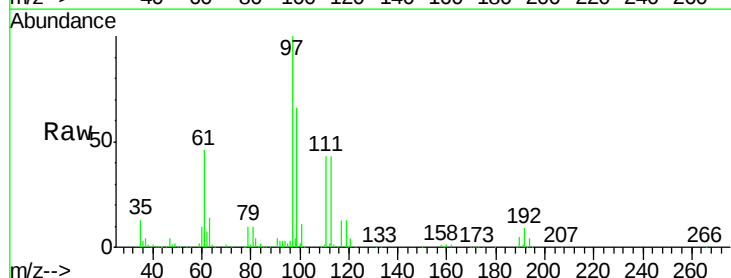
Manual Integrations
APPROVED

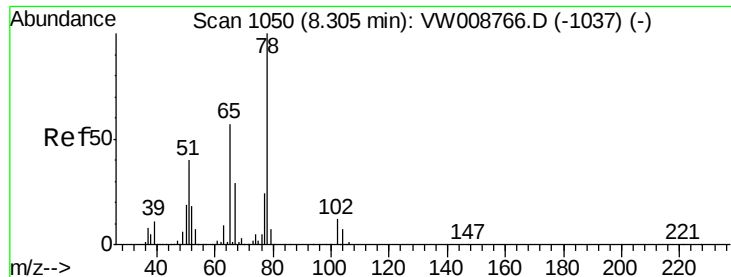
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3/1/2019 2:56:47 PM



#32
1,1,1-Trichloroethane
Concen: 50.613 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.8	76.2
61	45.9	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 45.103 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 136442

Ion Ratio Lower Upper

65 100

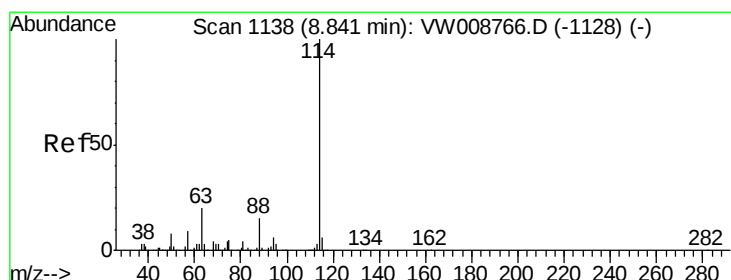
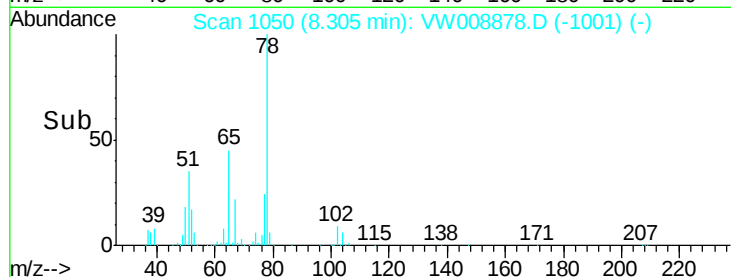
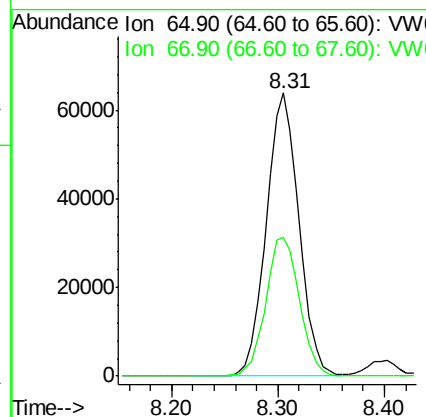
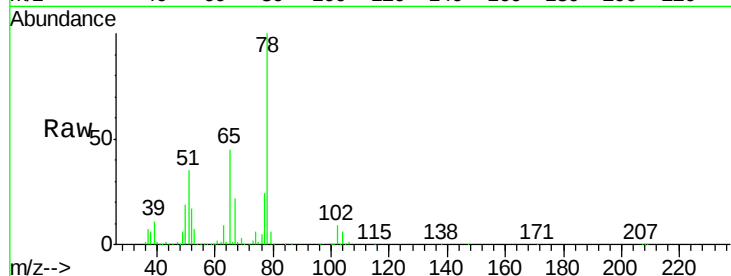
67 51.1 0.0 101.4

Manual Integrations

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3/1/2019 2:56:47 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

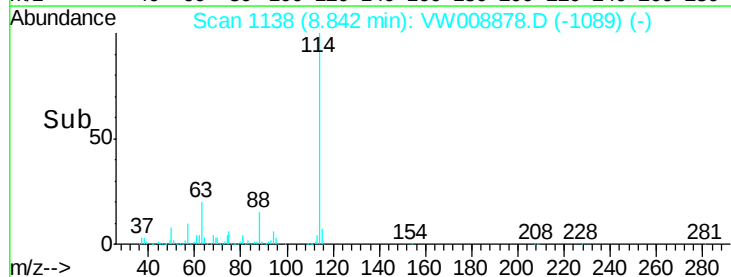
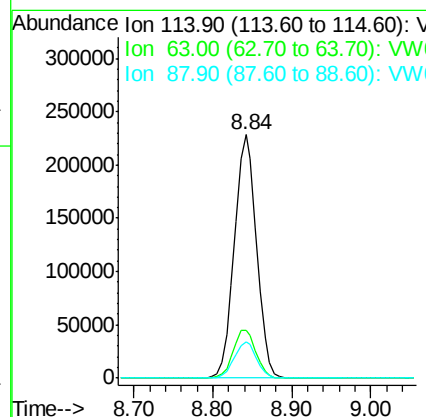
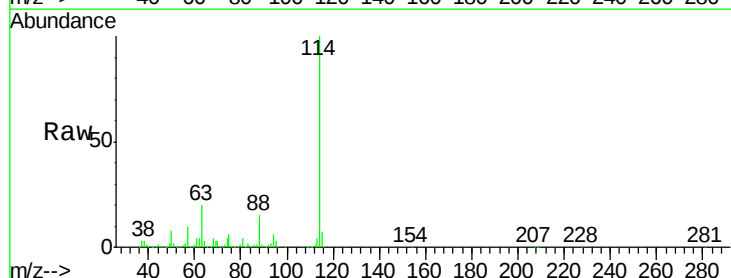
Tgt Ion: 114 Resp: 445889

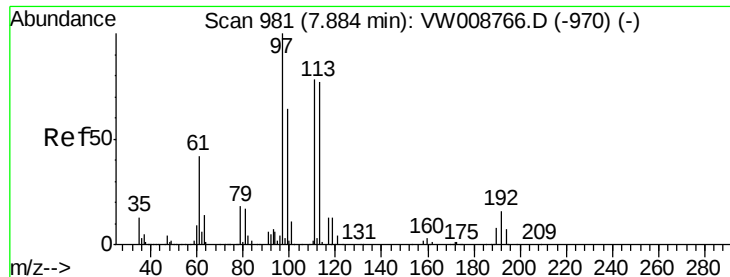
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.319 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

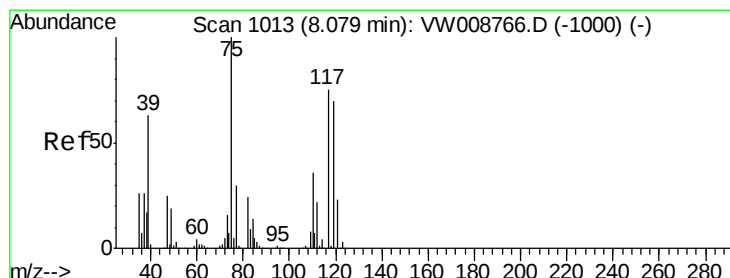
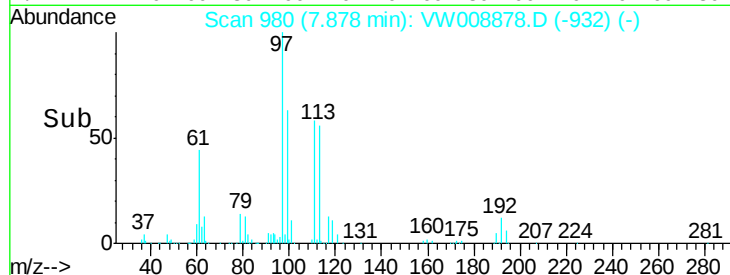
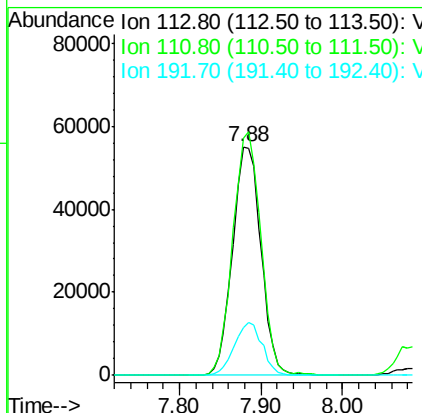
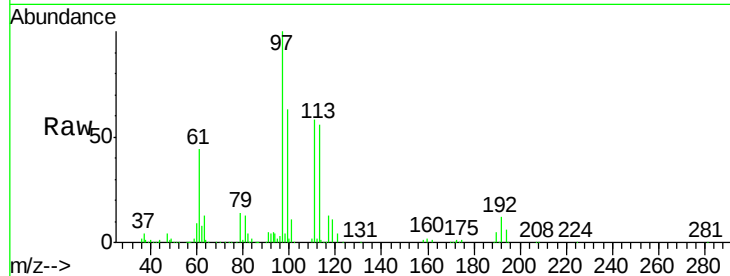
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	132036
Ion Ratio	Lower	Upper	
113	100		
111	105.0	81.9	122.9
192	22.6	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 54.542 ug/l

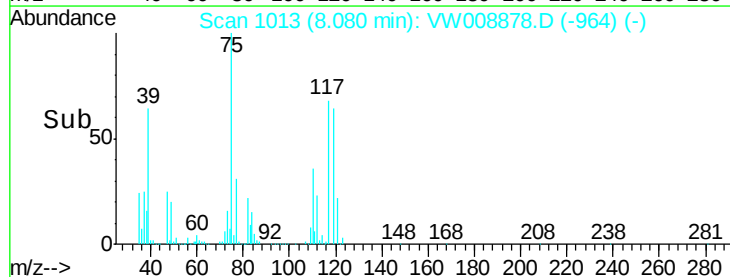
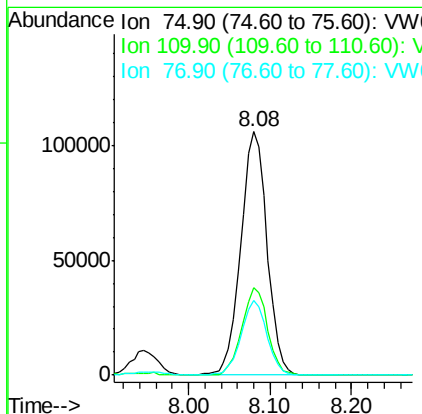
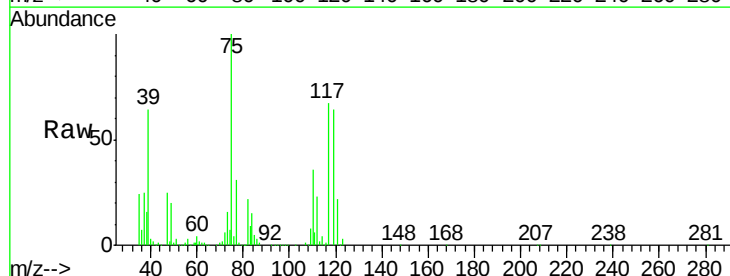
RT: 8.08 min Scan# 1013

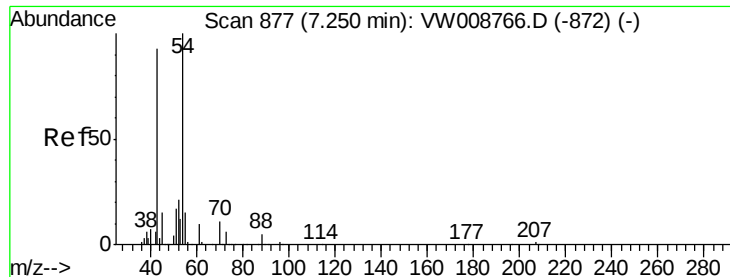
Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion:	75	Resp:	236738
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.5	52.6
77	30.3	24.5	36.7





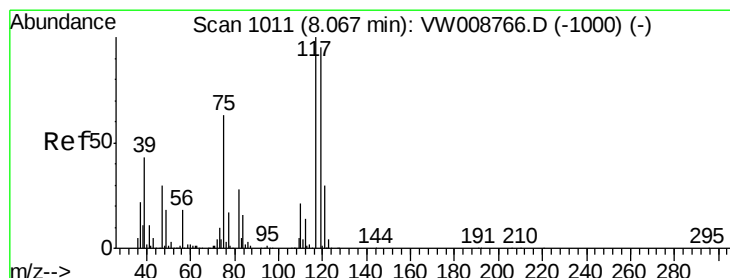
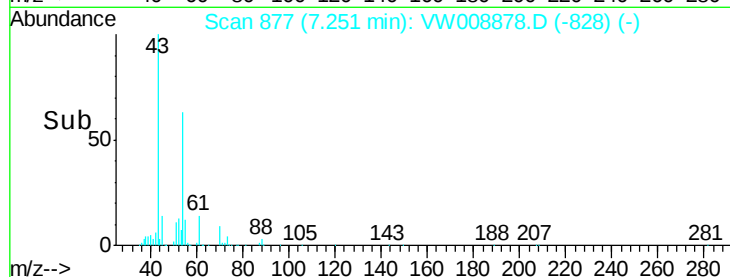
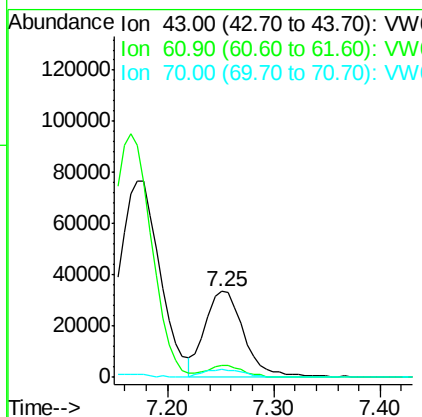
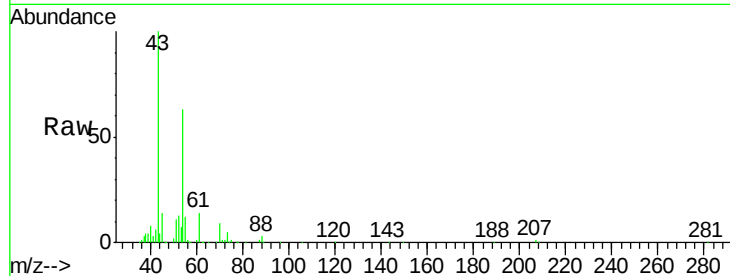
#37
Ethyl Acetate
Concen: 41.516 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	9.7	8.4	12.6

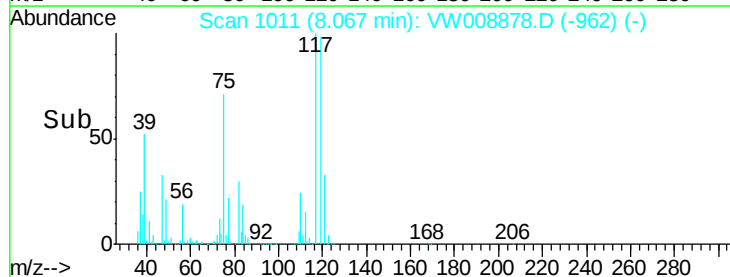
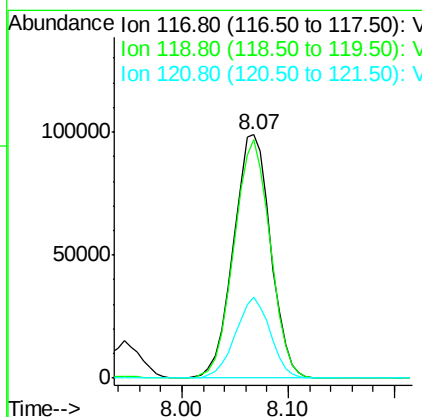
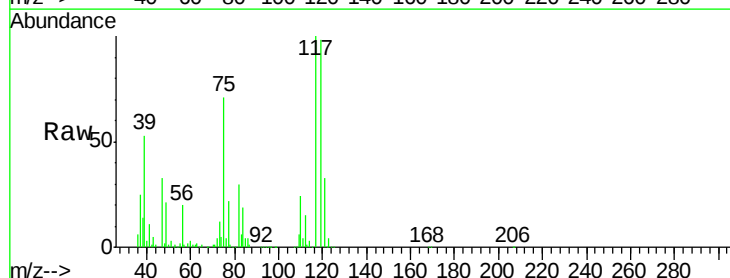
Manual Integrations
APPROVED

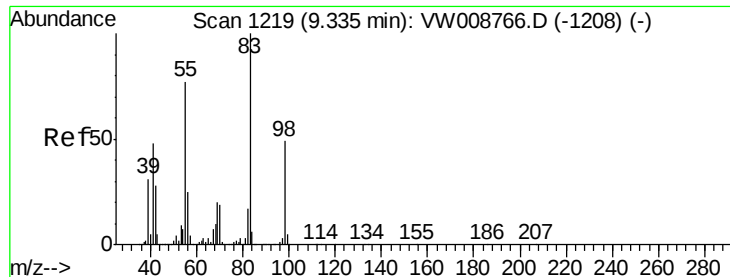
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3/1/2019 2:56:47 PM



#38
Carbon Tetrachloride
Concen: 52.937 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.1	114.1
121	33.2	24.0	36.0





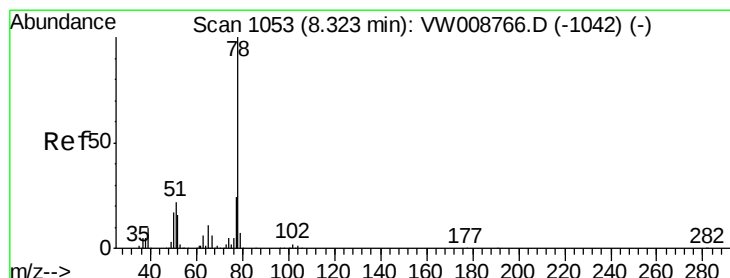
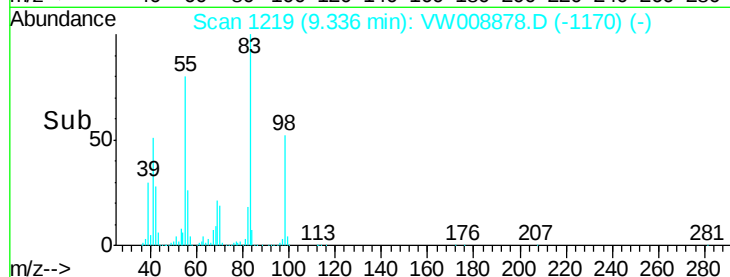
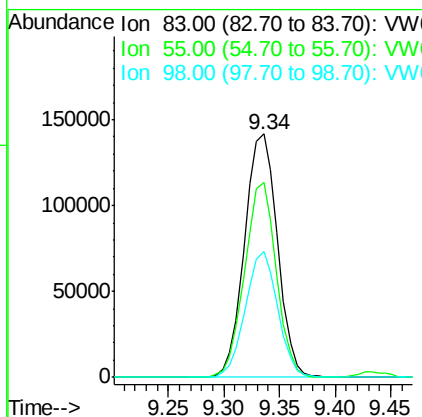
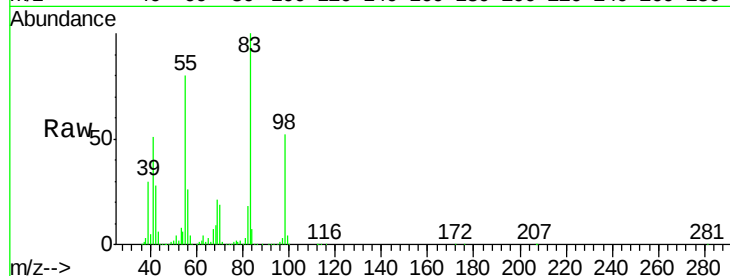
#39
Methylvlcvclohexane
Concen: 53.933 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.2	91.8
98	51.9	39.4	59.2

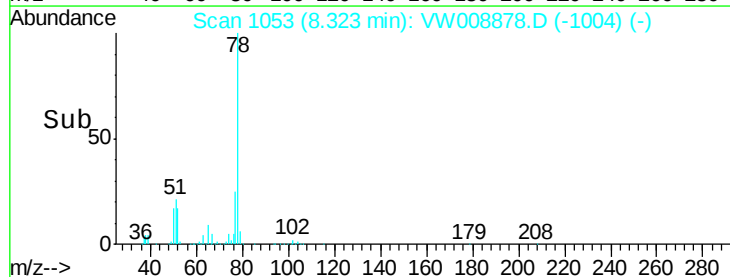
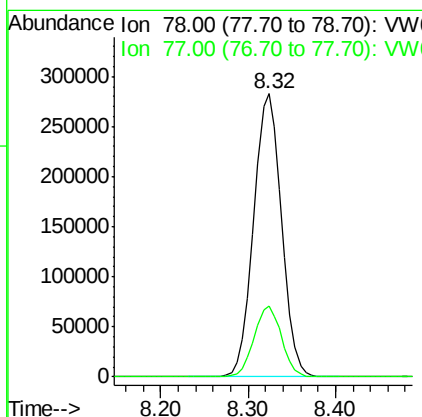
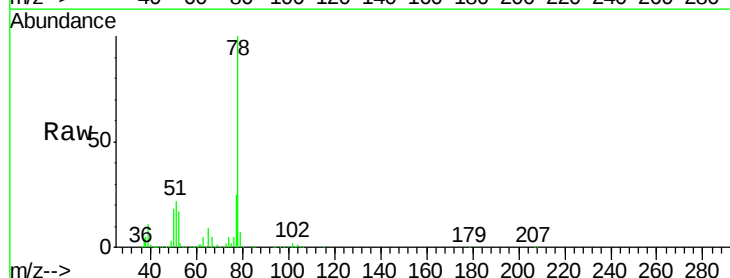
Manual Integrations
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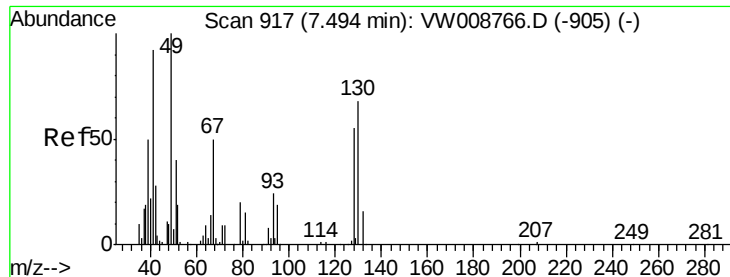
MMDadoda
3/1/2019 2:56:47 PM



#40
Benzene
Concen: 52.776 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.3	28.9





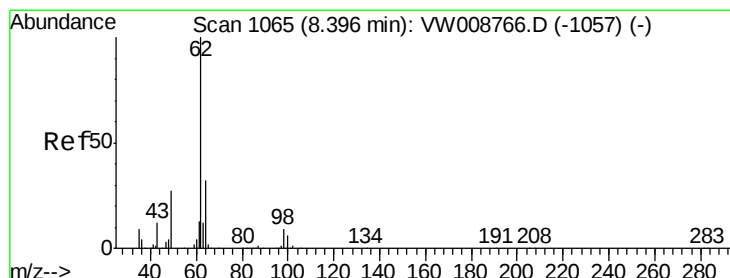
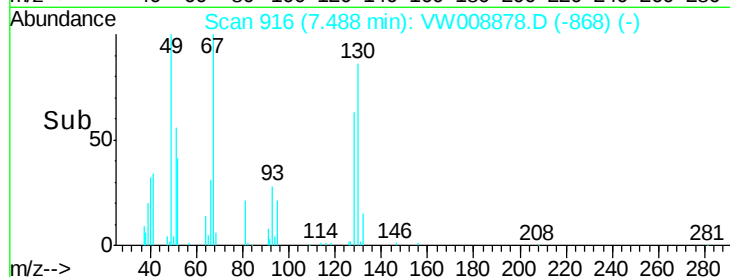
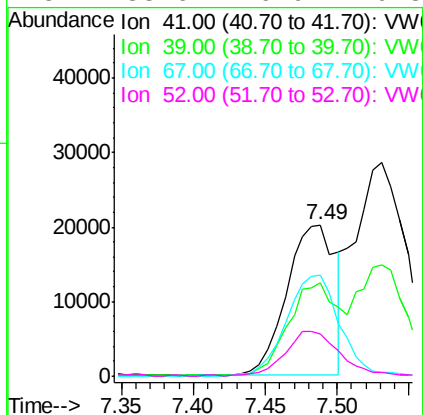
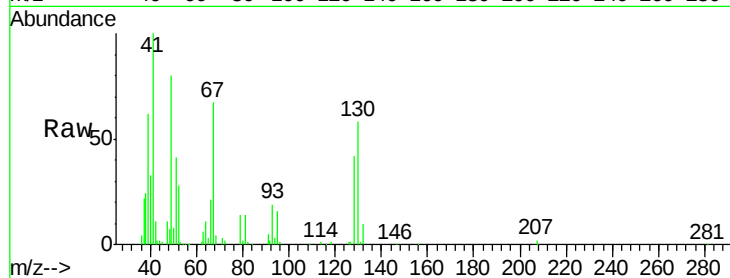
#41
Methacrylonitrile
Concen: 40.321 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	47838
Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.5	78.7
67	73.0	55.0	82.6
52	33.6	26.9	40.3

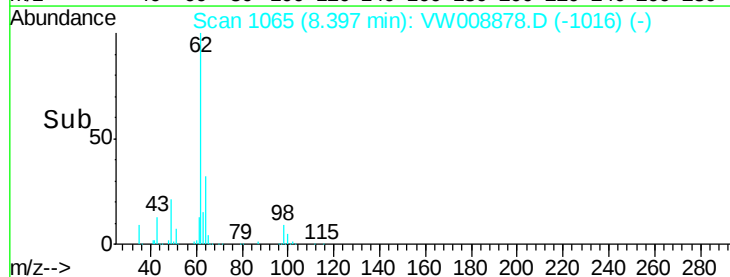
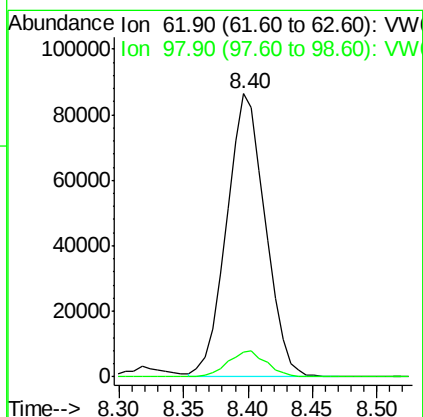
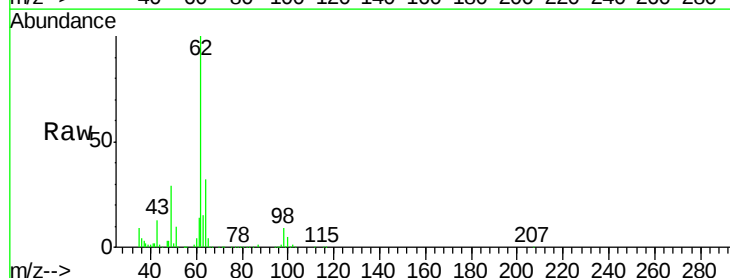
Manual Integrations
APPROVED

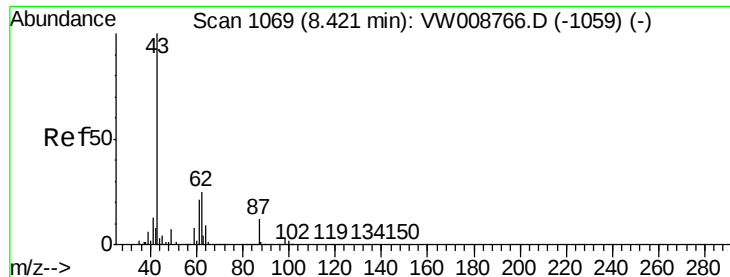
MMDadoda
3/1/2019 2:56:47 PM



#42
1,2-Dichloroethane
Concen: 48.016 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	62	Resp	180254
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43

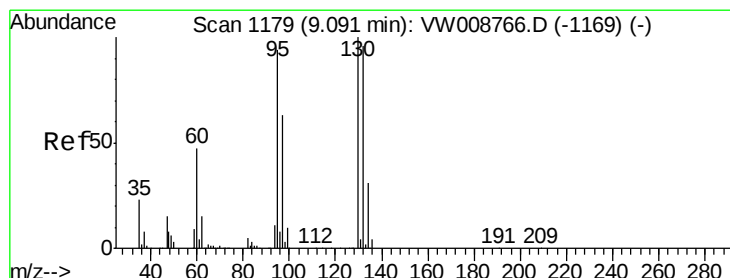
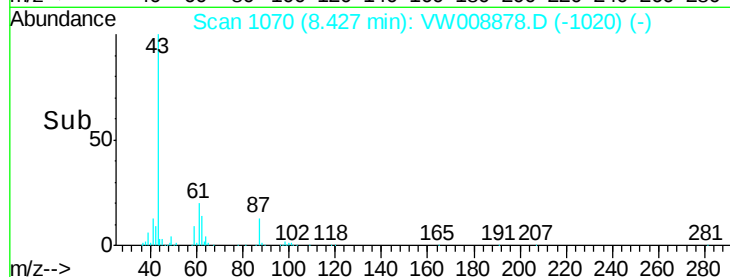
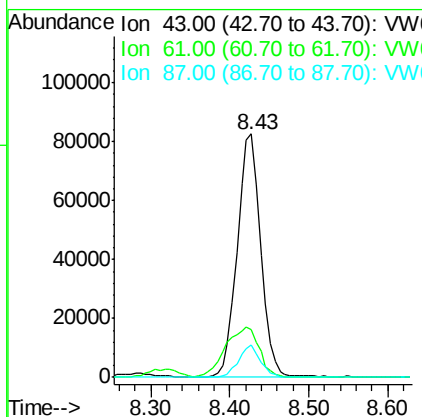
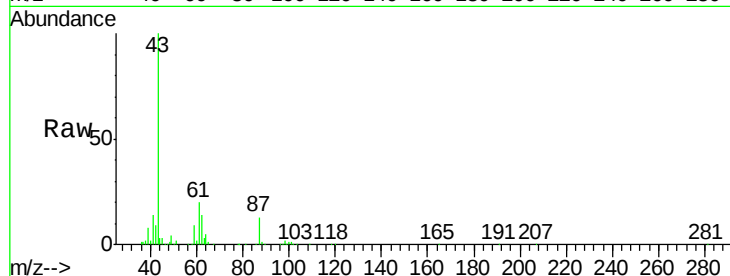
Isopropyl Acetate
 Concen: 42.510 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.2	34.8
87	12.3	9.9	14.9

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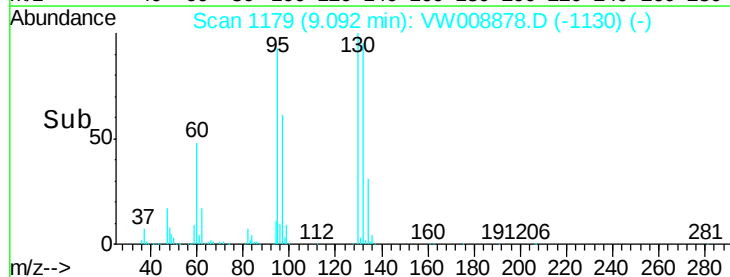
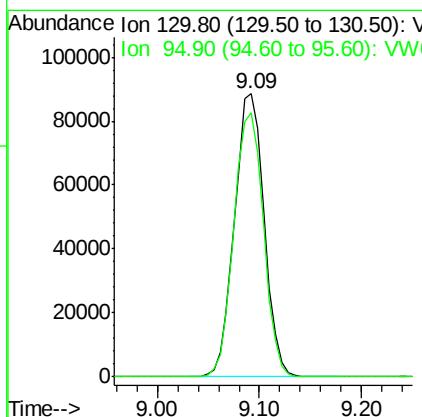
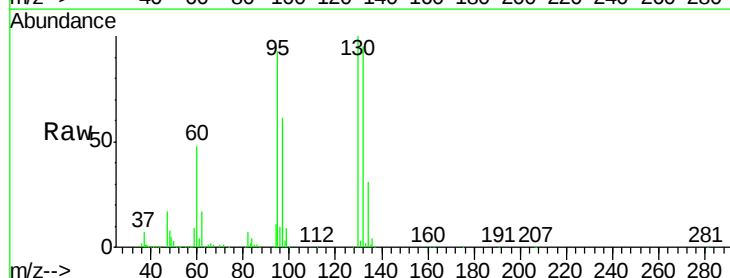
MMDadoda
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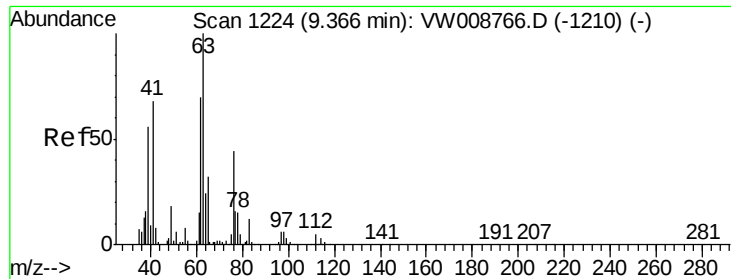


#44

Trichloroethene
 Concen: 53.223 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	188.6





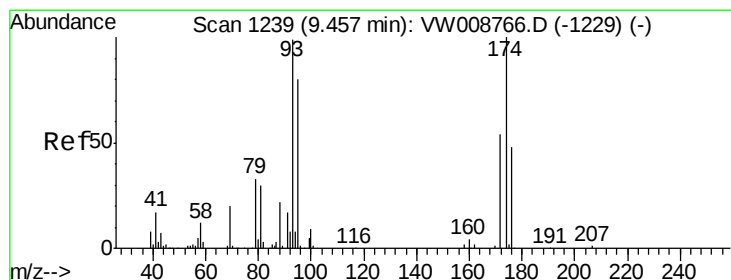
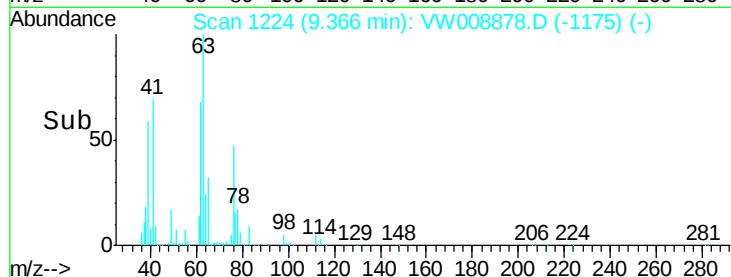
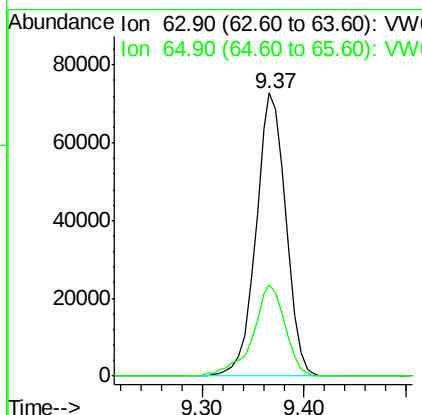
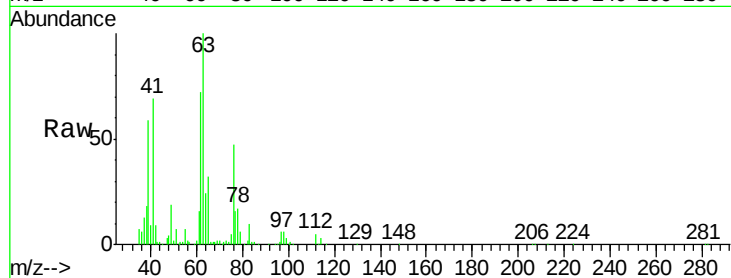
#45
 1,2-Dichloropropane
 Concen: 50.573 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3

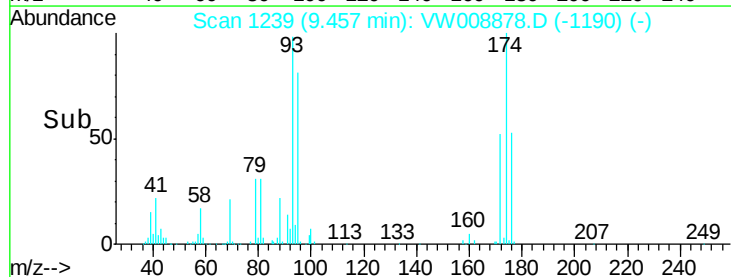
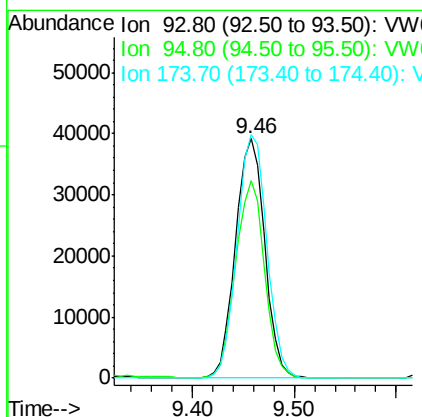
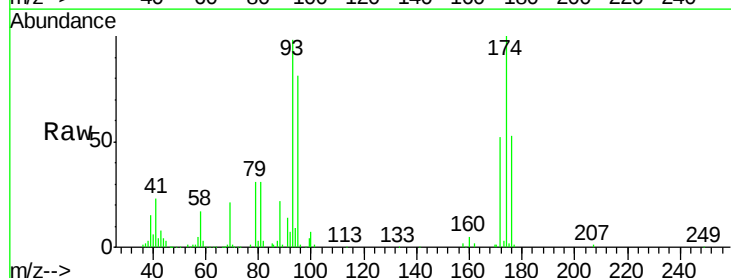
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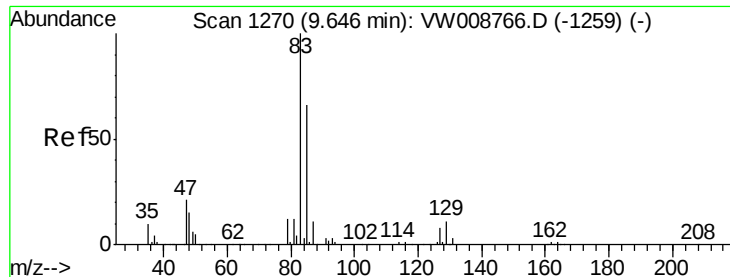
MMDadoda
 3/1/2019 2:56:47 PM



#46
 Dibromomethane
 Concen: 47.796 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	67.7	101.5
174	103.5	86.7	130.1





#47

Bromodichloromethane

Concen: 50.831 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

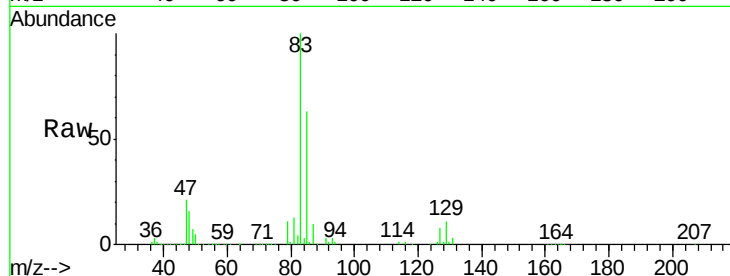
ClientSampleId :

VSTDCCC050

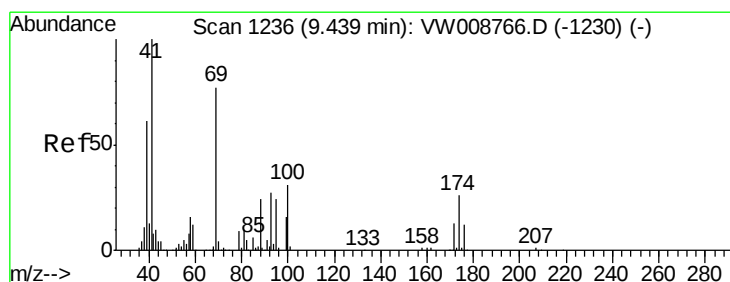
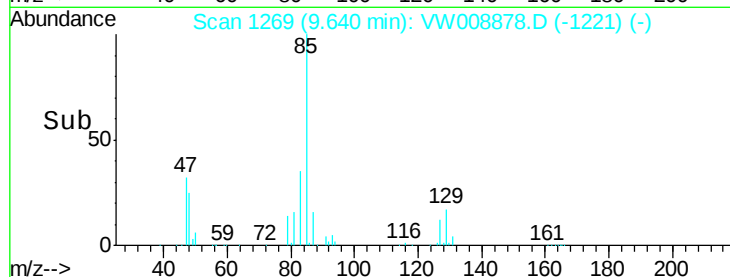
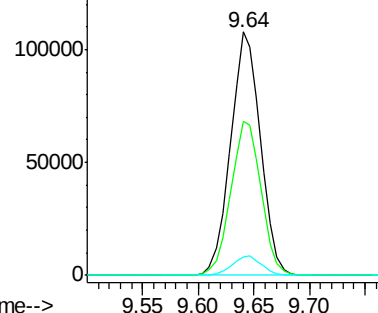
Tot Ion:	83	Resp:	201457
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.5	78.7
127	7.7	6.7	10.1

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



#48

Methyl methacrylate

Concen: 44.698 ug/l

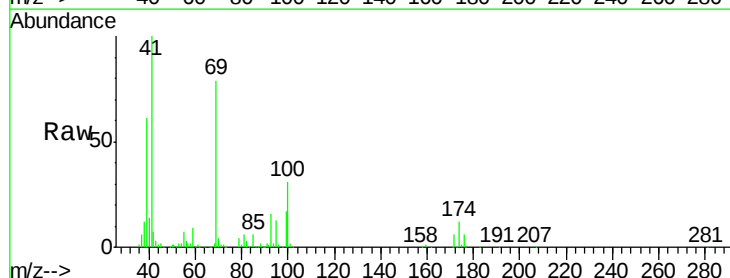
RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

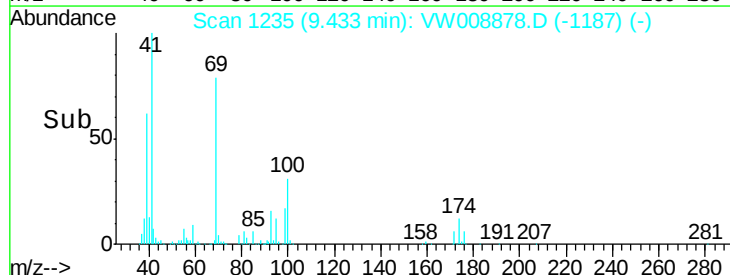
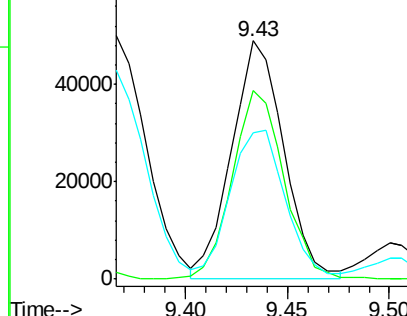
Lab File: VW008878.D

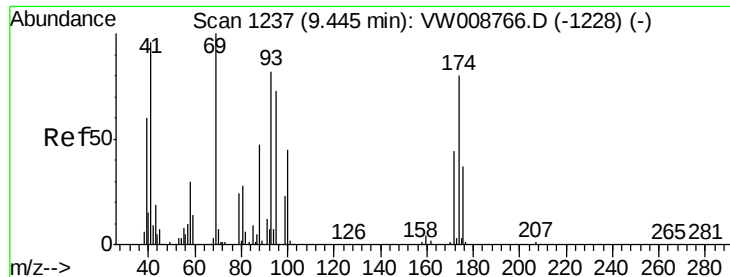
Acq: 28 Feb 2019 10:44

Tgt Ion:	41	Resp:	86237
Ion Ratio	Lower	Upper	
41	100		
69	79.5	63.6	95.4
39	62.0	52.1	78.1



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





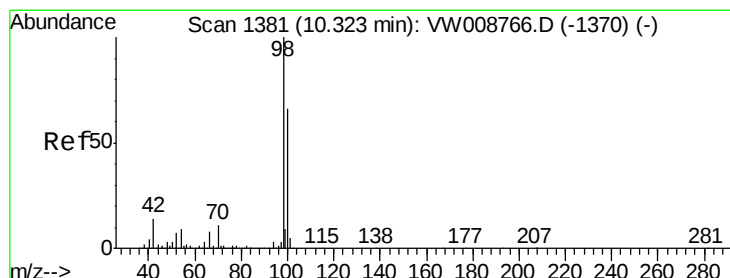
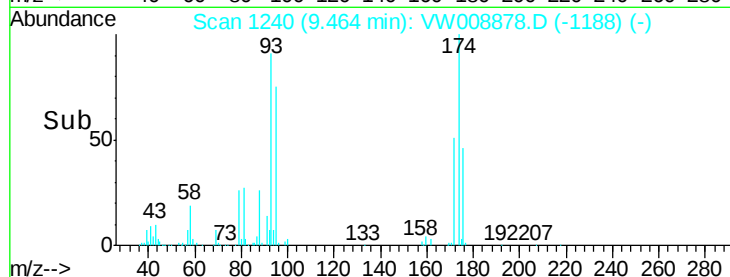
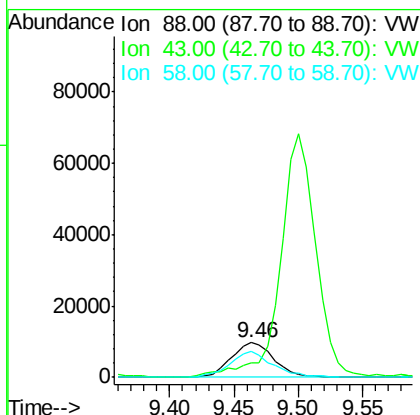
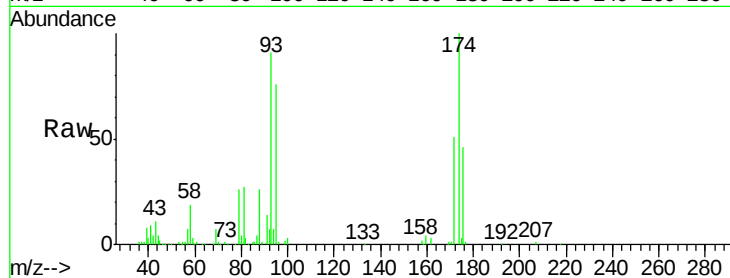
#49
1,4-Dioxane
Concen: 858.162 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	75.3	52.0	78.0

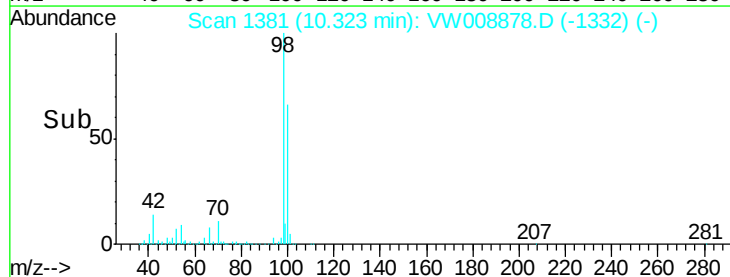
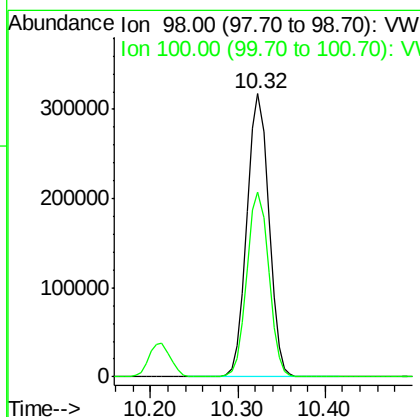
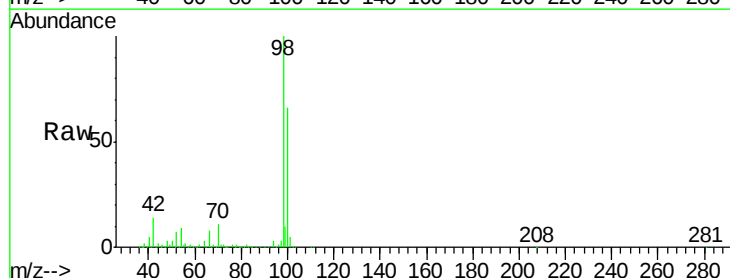
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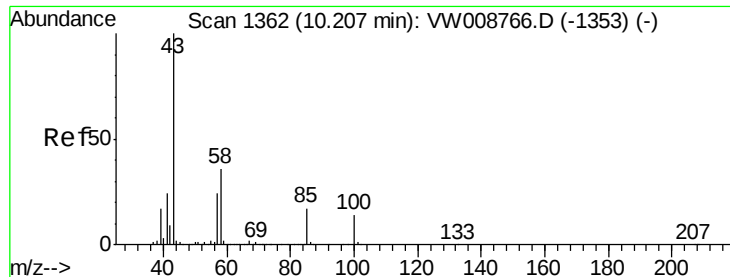
MMDadoda
3/1/2019 2:56:47 PM



#50
Toluene-d8
Concen: 53.654 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 213.448 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 436542

Ion Ratio Lower Upper

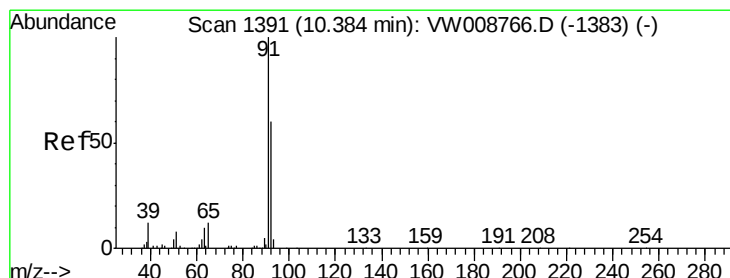
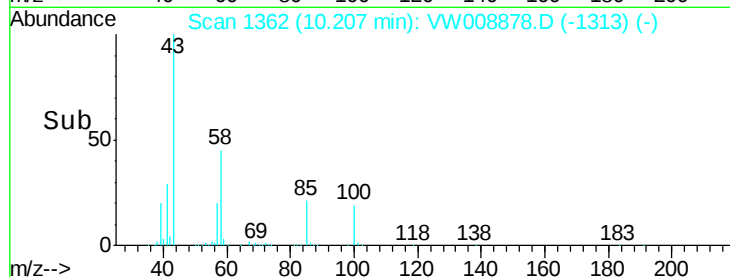
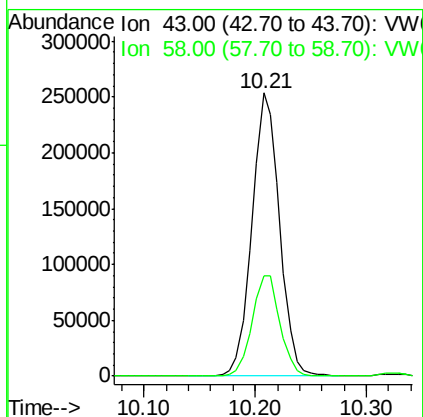
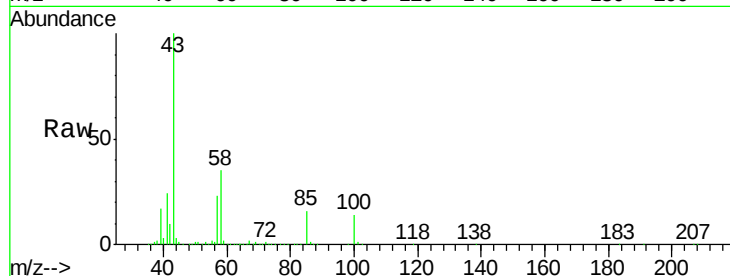
43 100

58 36.1 29.1 43.7

Manual Integrations
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3/1/2019 2:56:47 PM



#52

Toluene

Concen: 54.762 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008878.D

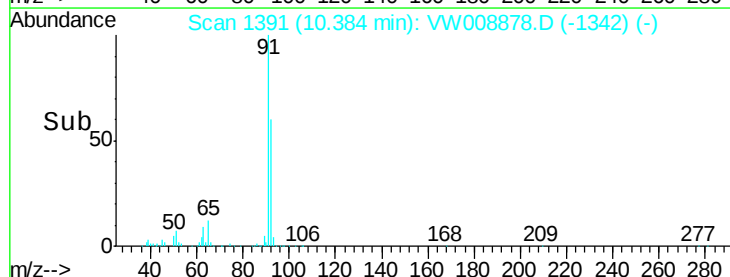
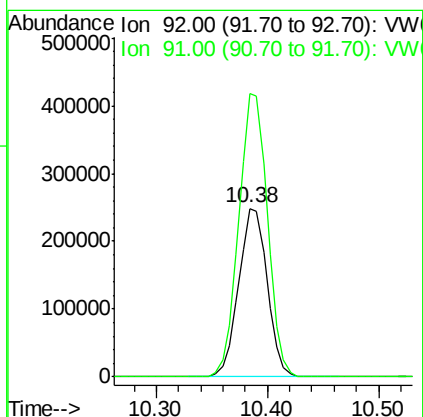
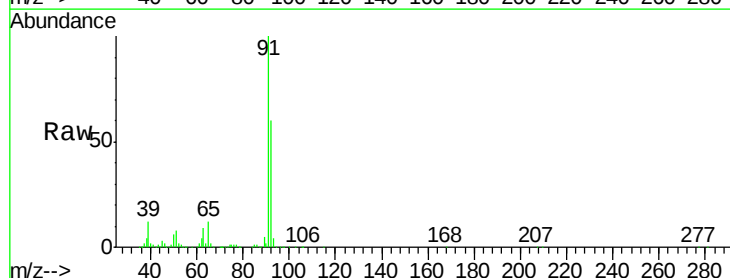
Acq: 28 Feb 2019 10:44

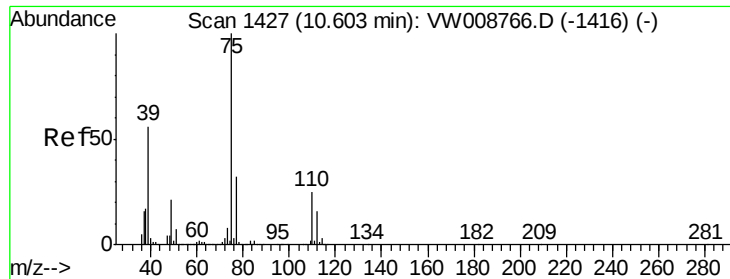
Tgt Ion: 92 Resp: 440440

Ion Ratio Lower Upper

92 100

91 169.9 136.9 205.3





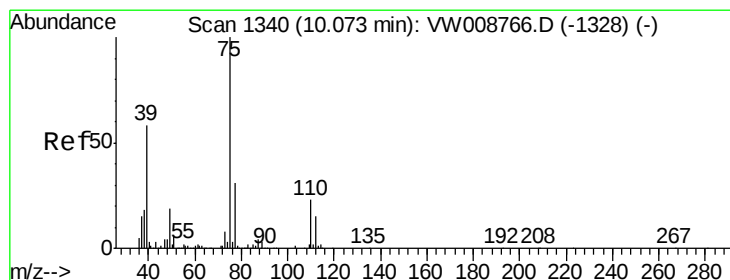
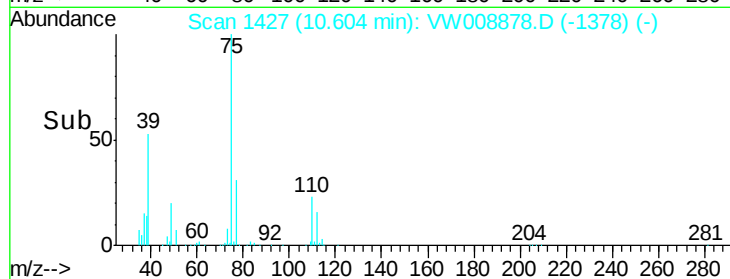
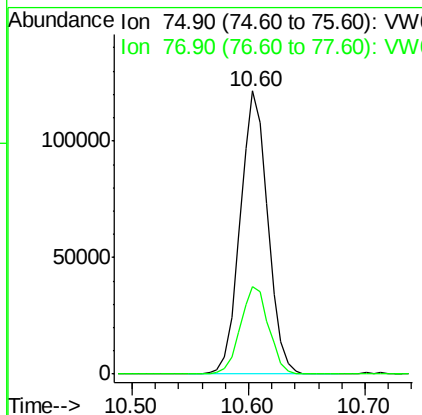
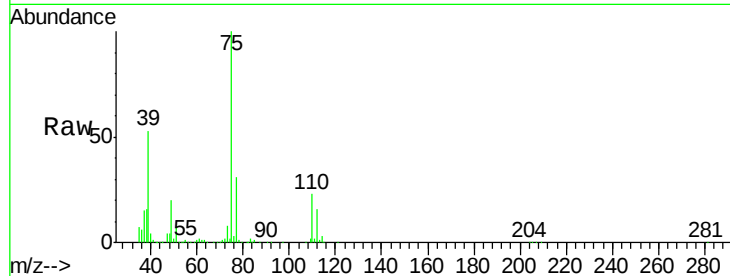
#53
 t-1,3-Dichloropropene
 Concen: 49.578 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.1	39.1

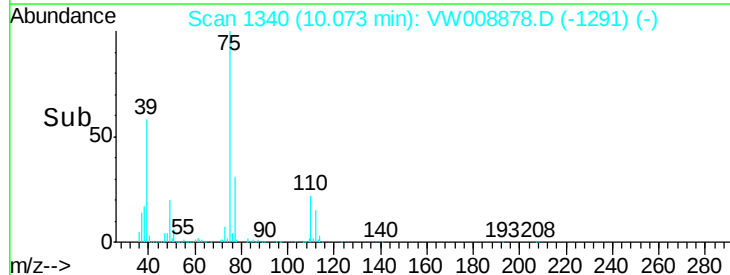
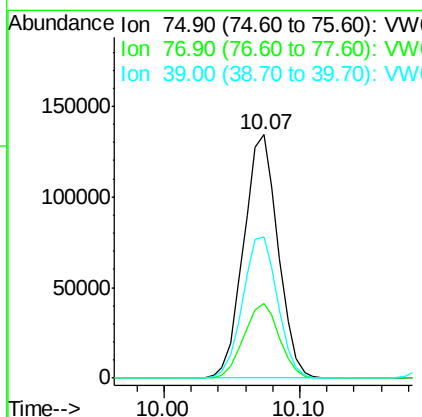
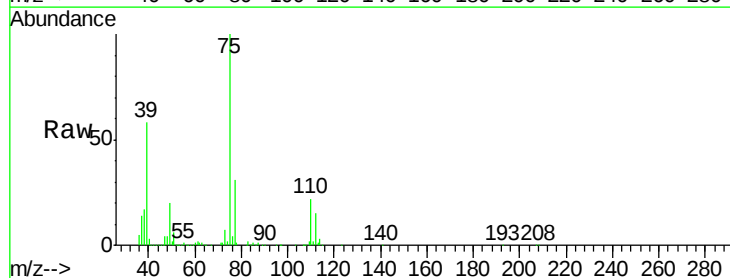
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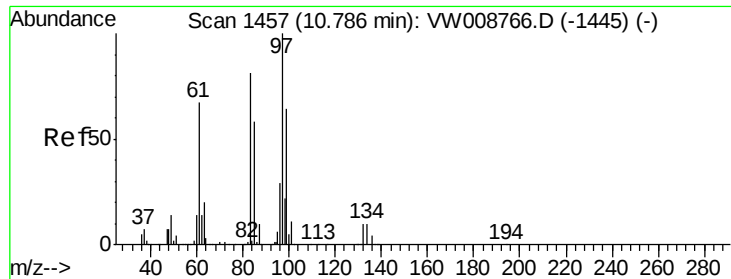
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#54
 cis-1,3-Dichloropropene
 Concen: 51.616 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4
39	57.9	46.6	70.0





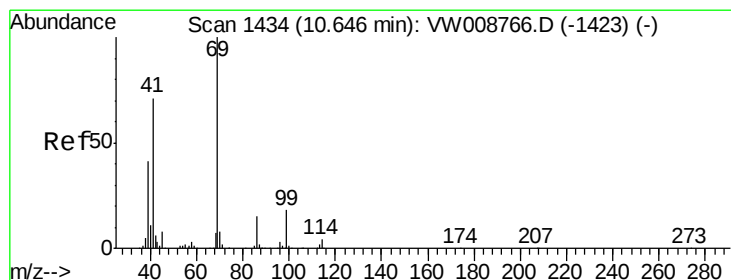
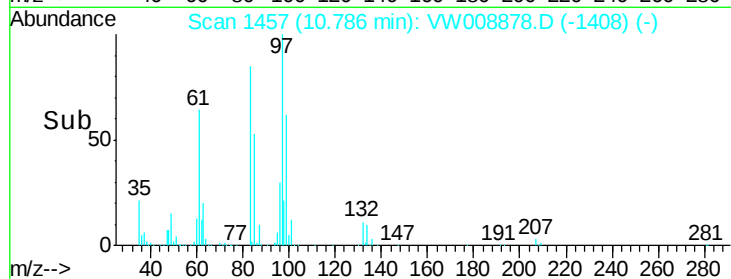
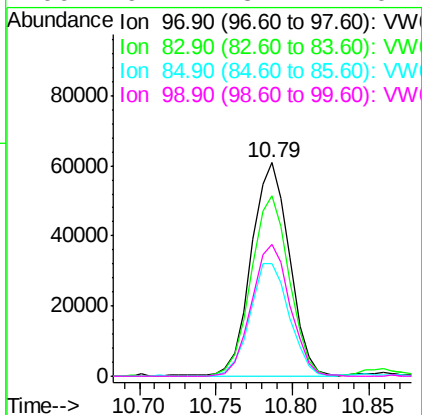
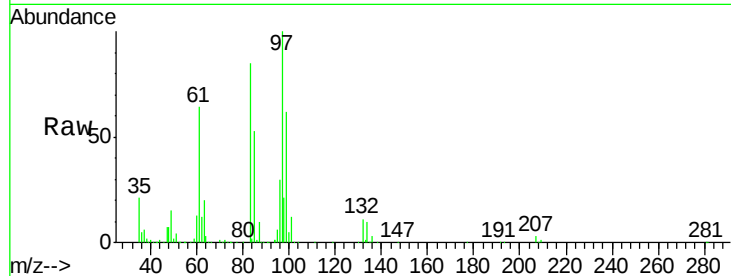
#55
 1,1,2-Trichloroethane
 Concen: 47.455 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104833
Ion	Ratio	Lower	Upper
97	100		
83	85.0	65.0	97.6
85	52.4	46.0	69.0
99	62.2	51.1	76.7

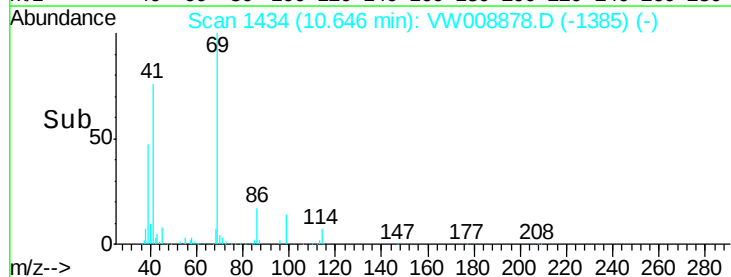
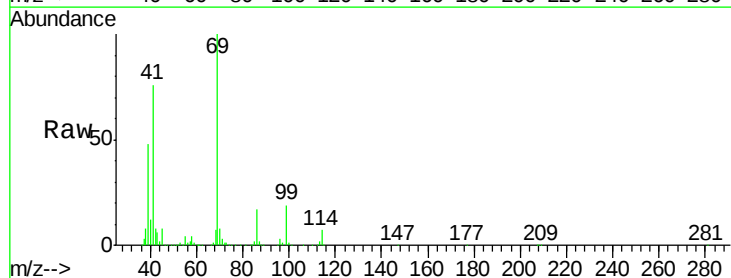
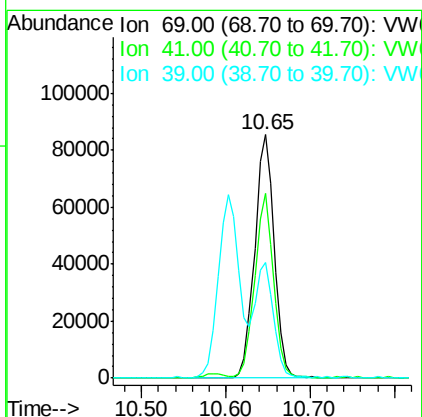
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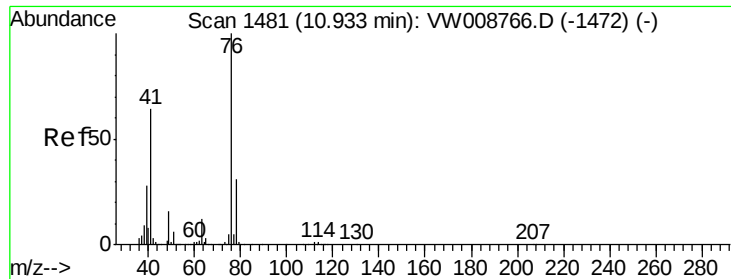
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#56
 Ethyl methacrylate
 Concen: 47.184 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion:	69	Resp:	135422
Ion	Ratio	Lower	Upper
69	100		
41	72.3	57.4	86.0
39	43.2	34.8	52.2





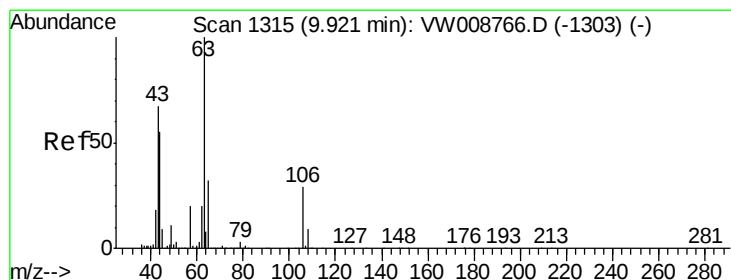
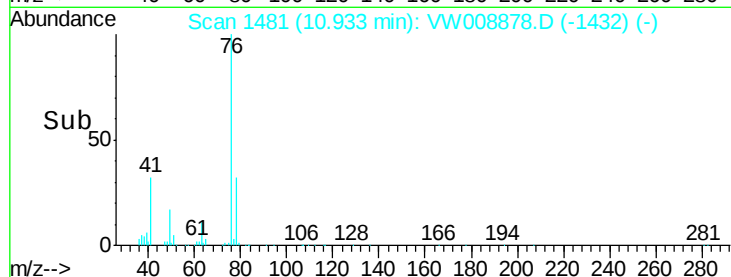
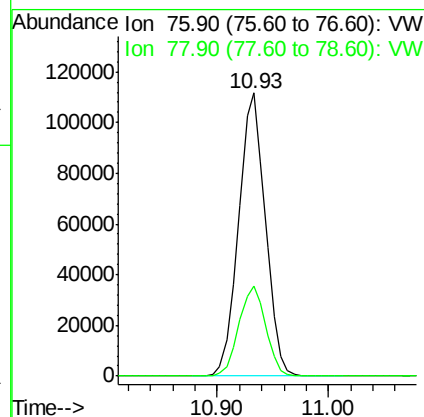
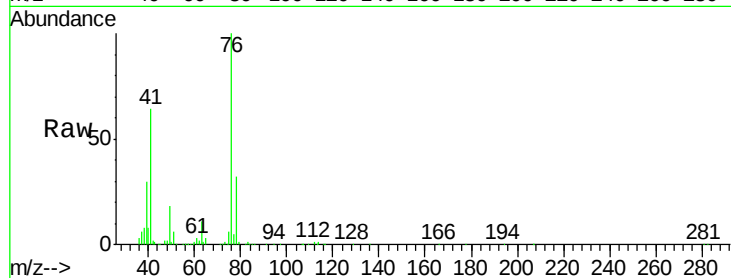
#57
 1,3-Dichloropropane
 Concen: 47.596 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

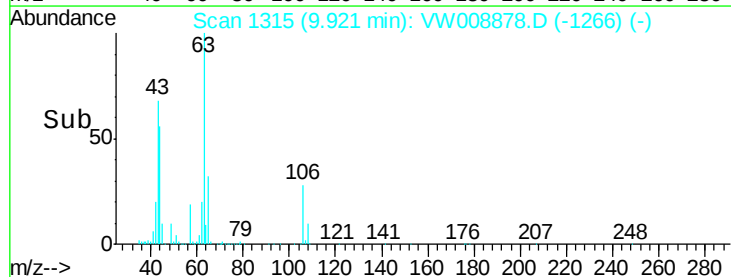
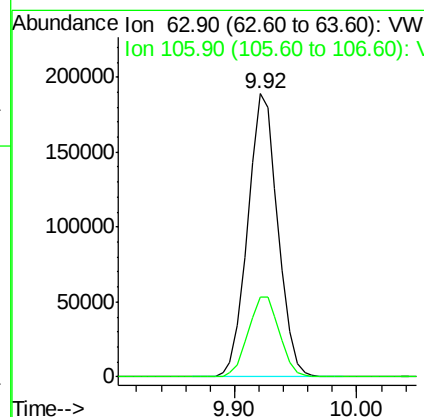
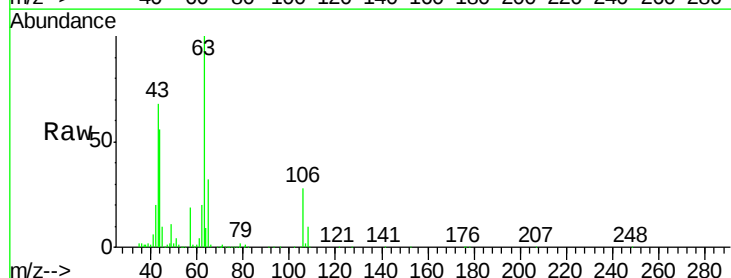
Manual Integrations
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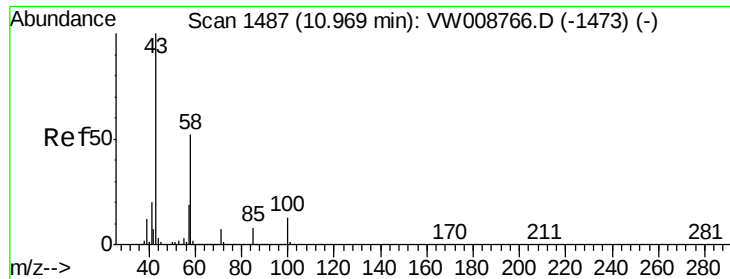
MMDadoda
 3/1/2019 2:56:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.404 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.0	36.0





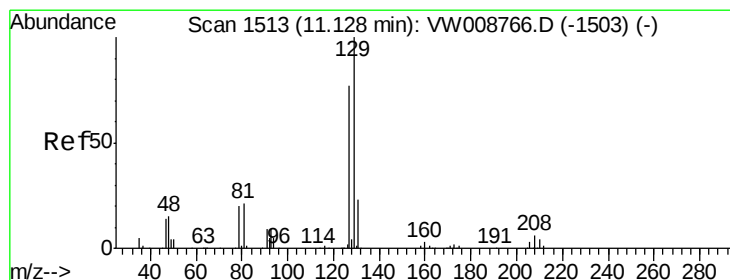
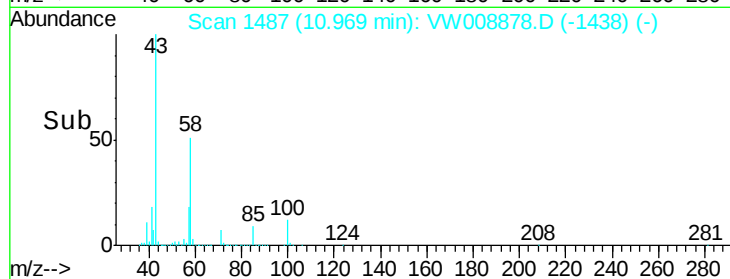
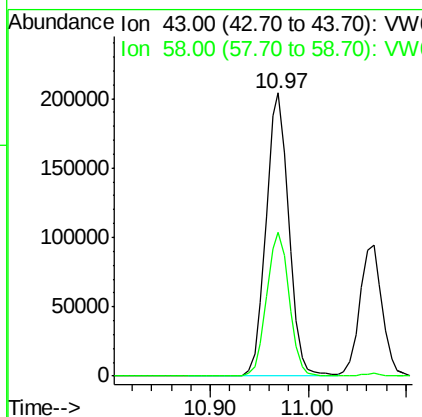
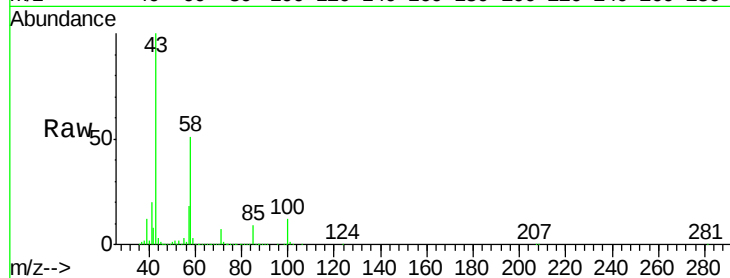
#59
2-Hexanone
Concen: 225.641 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 328500
Ion Ratio Lower Upper
43 100
58 50.6 25.3 75.8

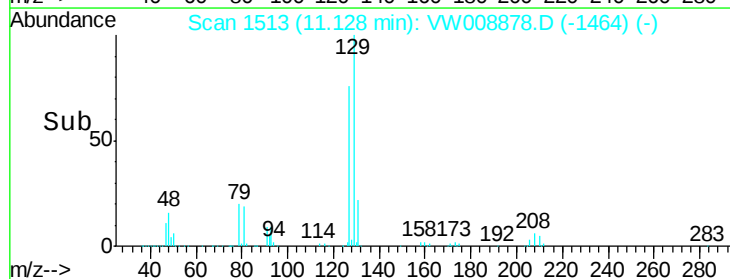
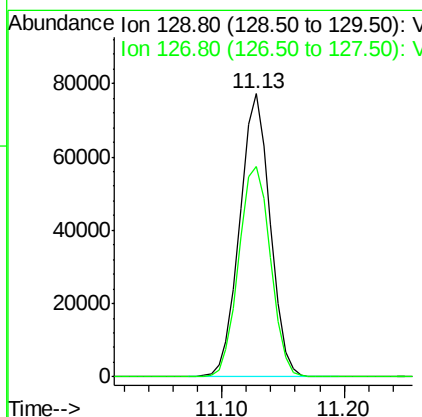
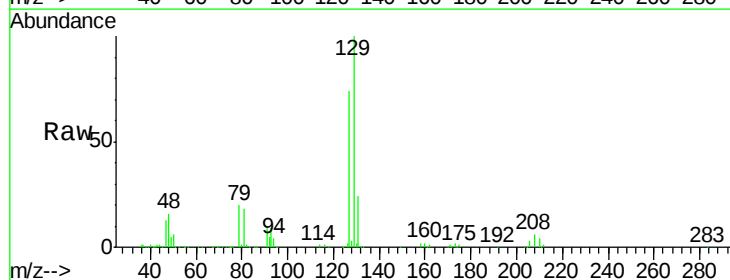
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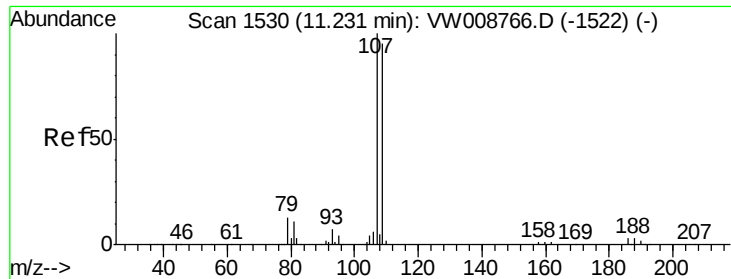
MMDadoda
3/1/2019 2:56:47 PM



#60
Dibromochloromethane
Concen: 49.409 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion: 129 Resp: 133132
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





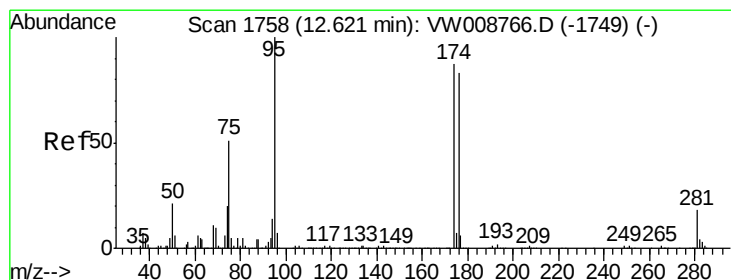
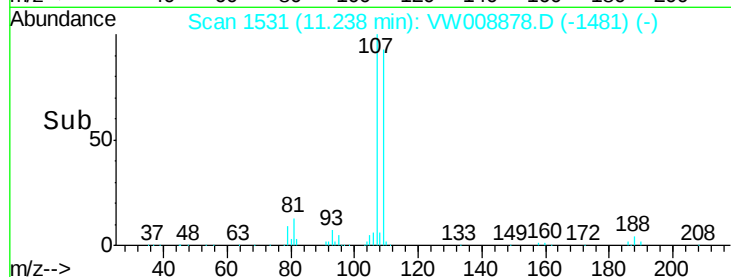
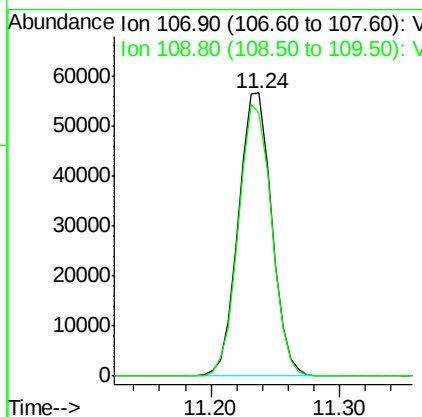
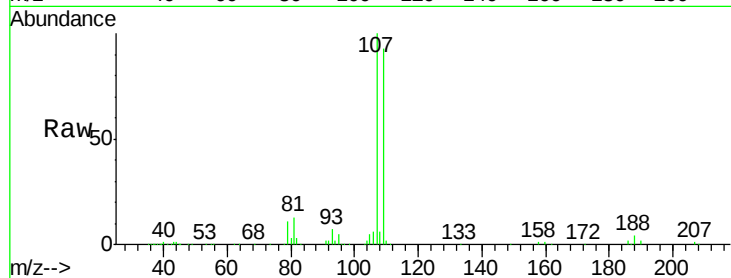
#61
 1,2-Dibromoethane
 Concen: 46.290 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.6	113.4

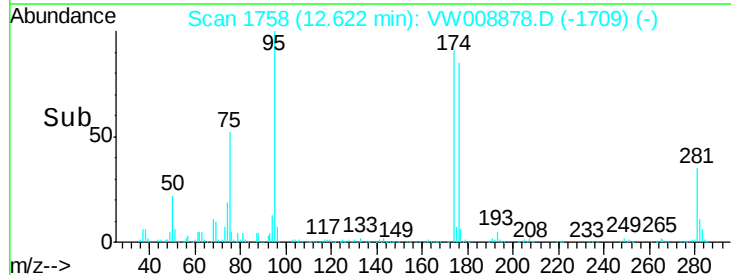
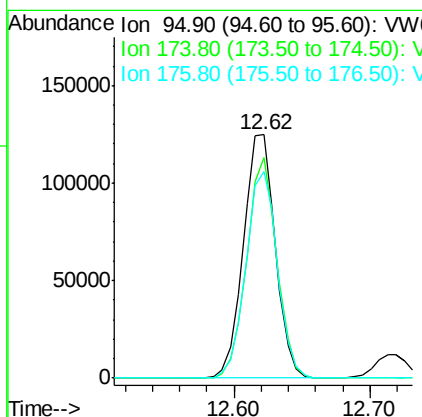
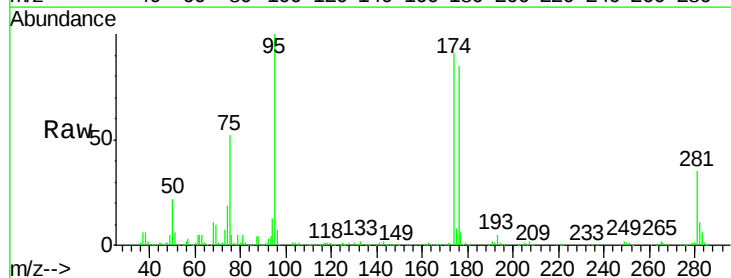
Manual Integrations
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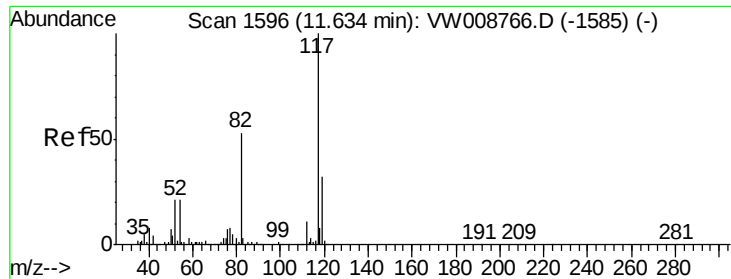
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.470 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	169.2
176	84.2	0.0	163.6





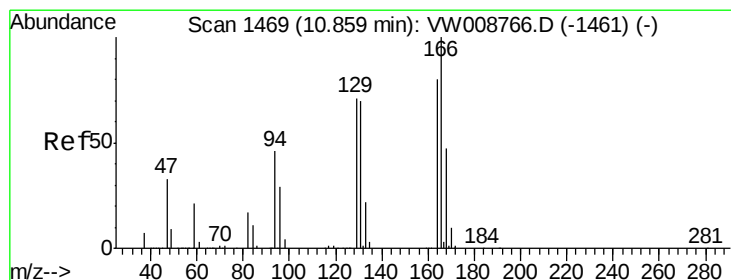
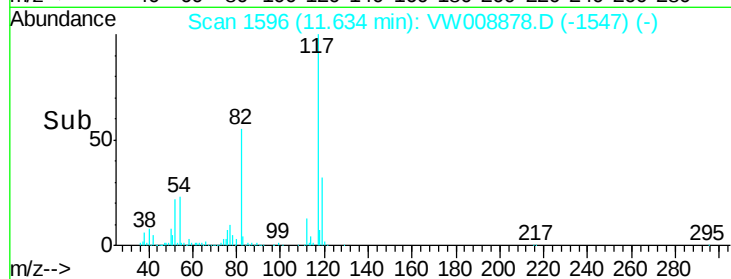
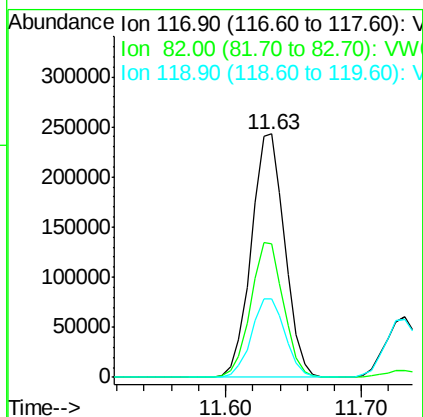
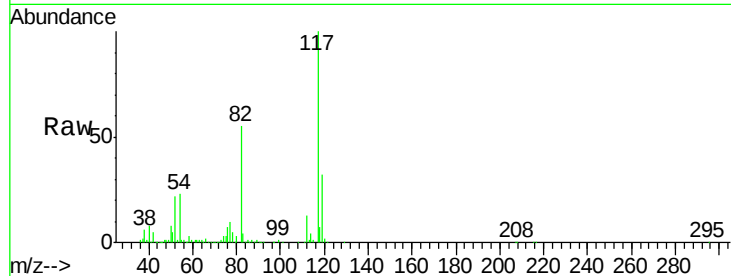
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	418956		
82	54.9		42.2	63.4
119	32.2		25.9	38.9

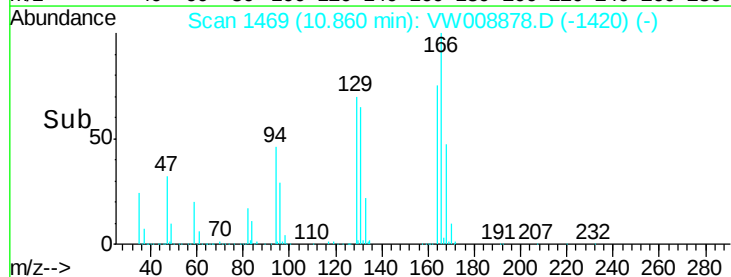
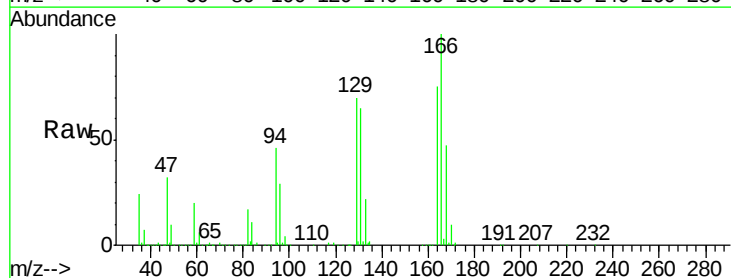
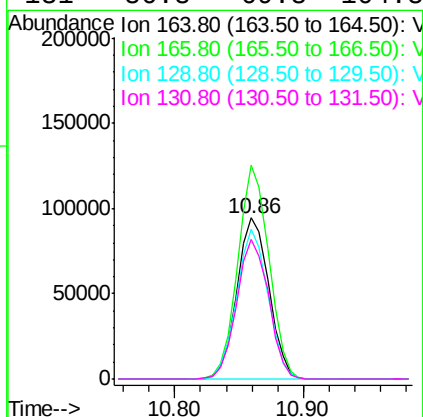
Manual Integrations
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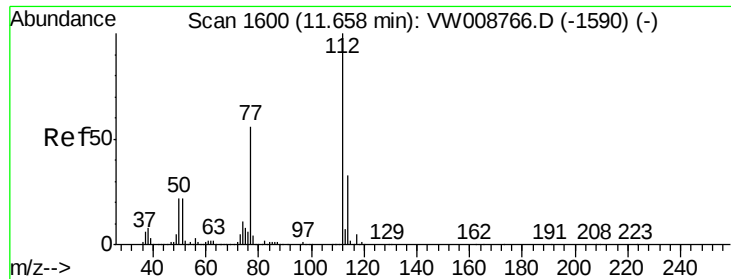
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#64
Tetrachloroethene
Concen: 54.336 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	162950		
166	132.6		99.5	149.3
129	93.1		71.1	106.7
131	86.8		69.8	104.8





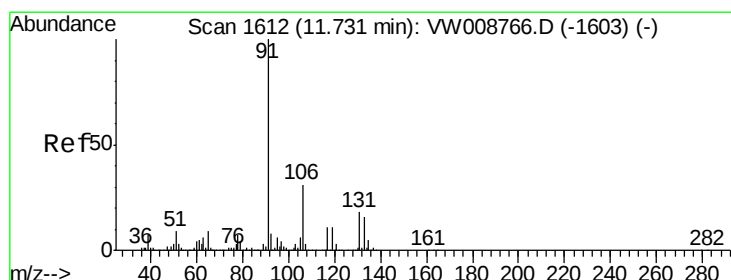
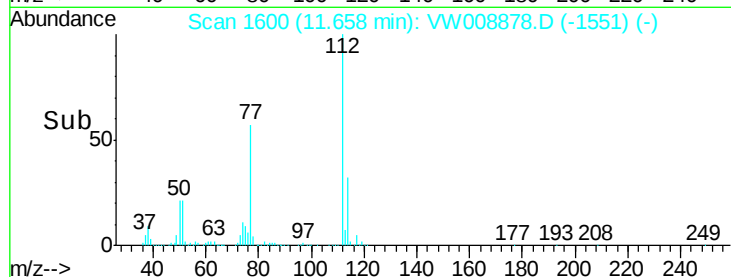
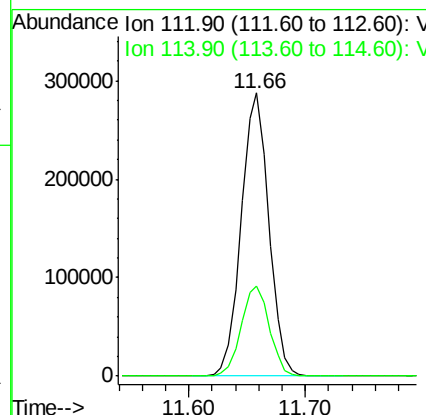
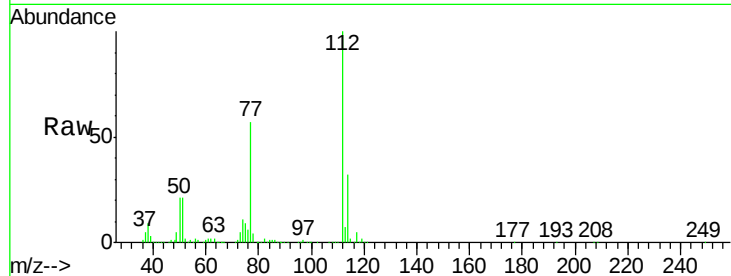
#65
Chlorobenzene
Concen: 53.911 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.6	40.0

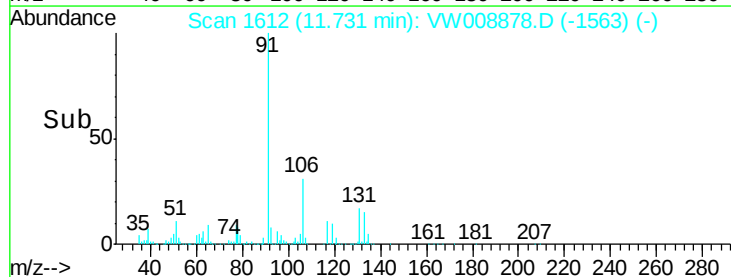
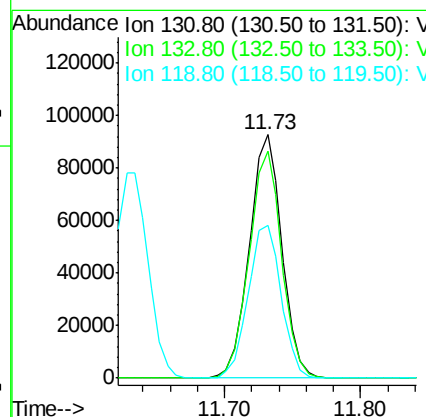
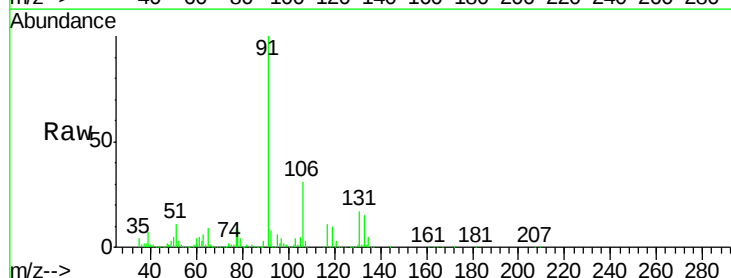
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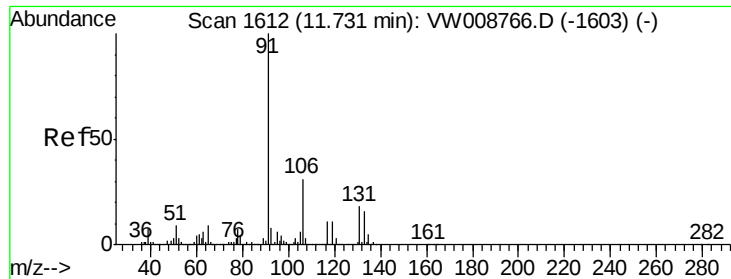
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.081 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	46.7	140.0
119	63.9	30.8	92.4





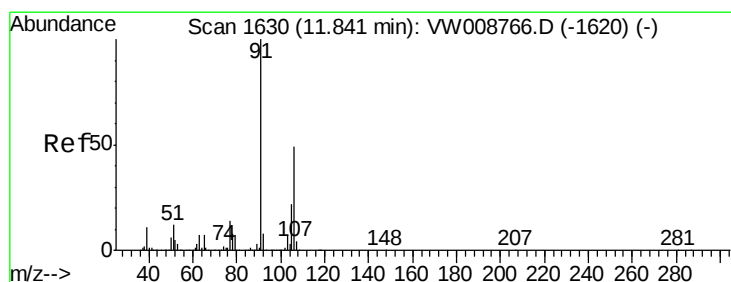
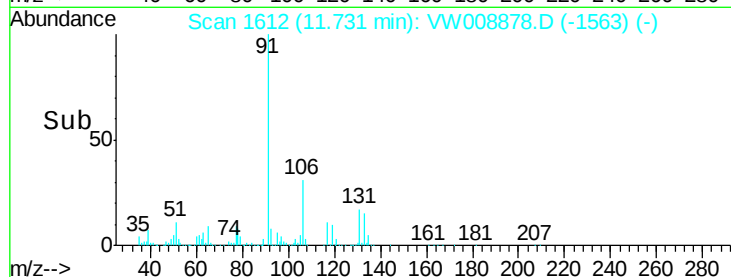
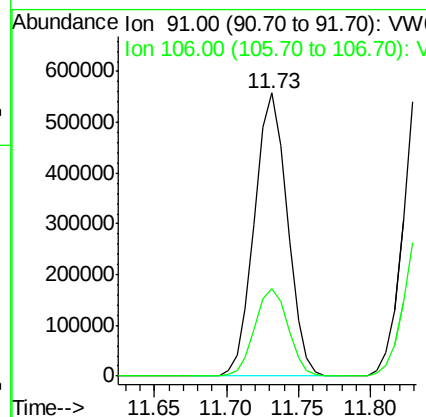
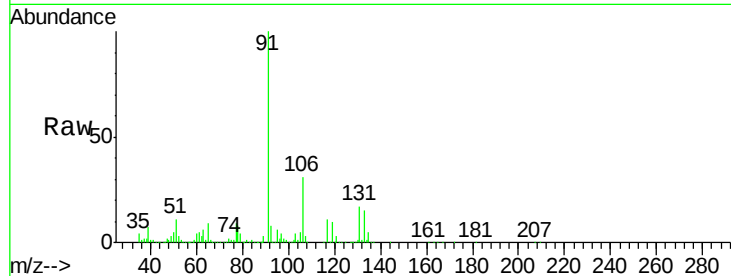
#67
Ethyl Benzene
Concen: 55.937 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 880918
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

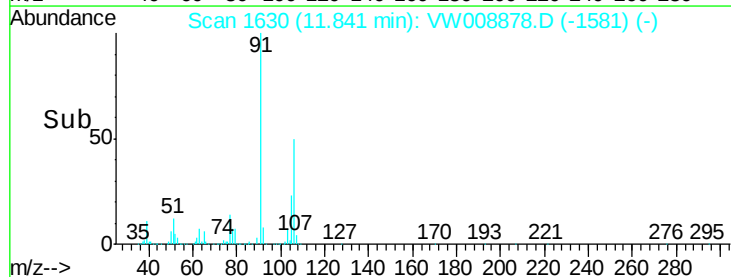
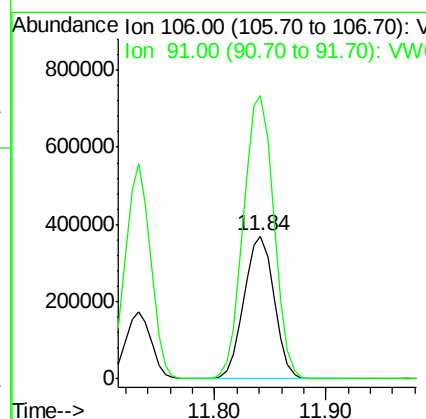
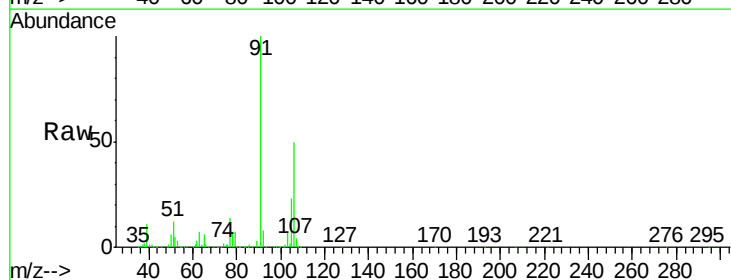
Manual Integrations
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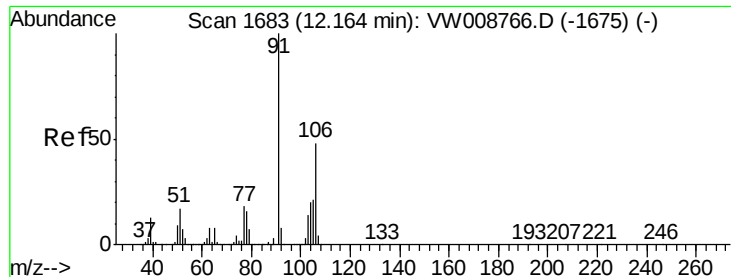
MMDadoda
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#68
m/p-Xylenes
Concen: 109.968 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion: 106 Resp: 691943
Ion Ratio Lower Upper
106 100
91 201.2 161.5 242.3





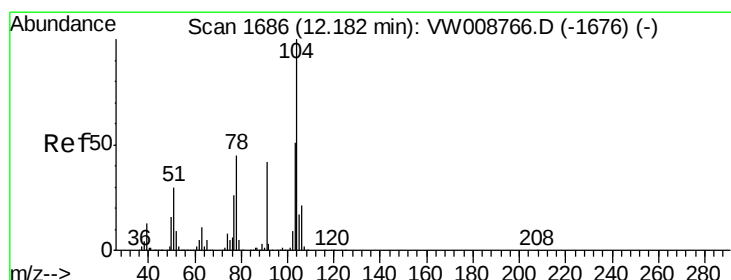
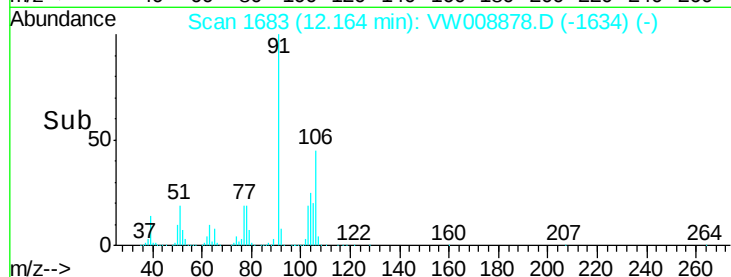
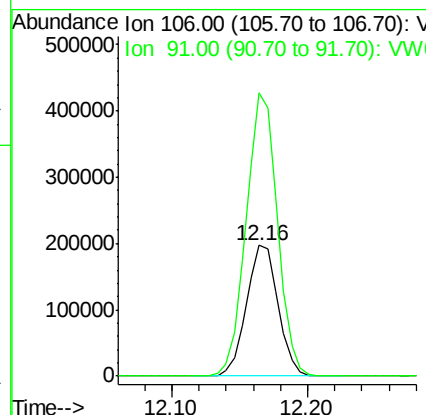
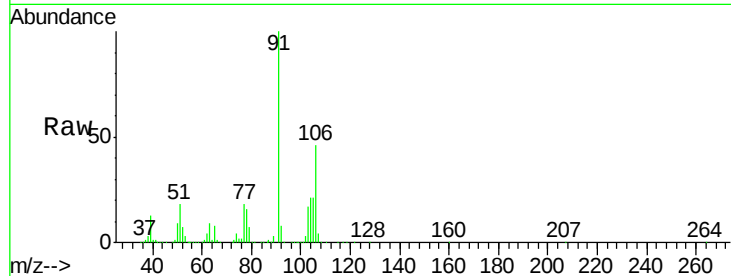
#69
o-Xylene
Concen: 54.349 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.8	106.2	320985	318.6	

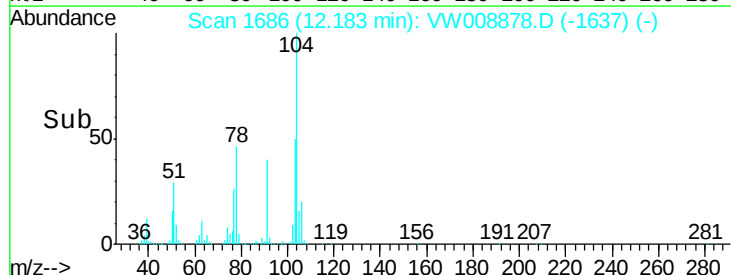
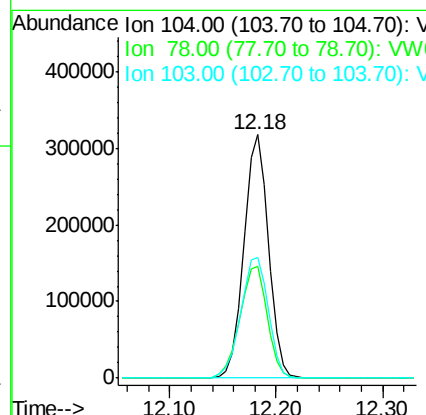
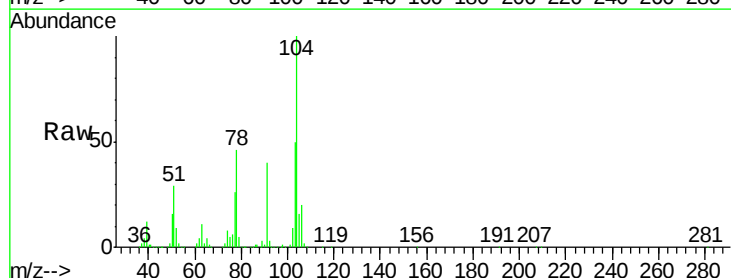
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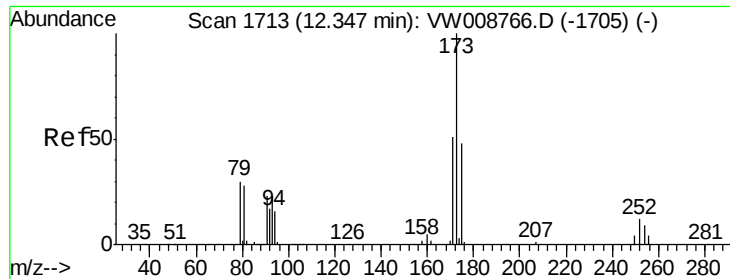
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#70
Styrene
Concen: 54.196 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.5	40.8	514955	61.2	
103	55.9	44.2		66.2	





#71

Bromoform

Concen: 47.003 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 75258

Ion Ratio Lower Upper

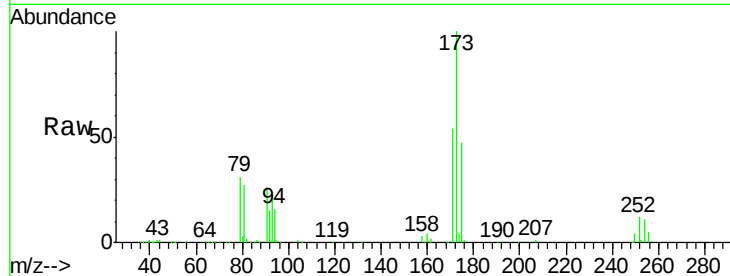
173 100

175 49.3 24.2 72.6

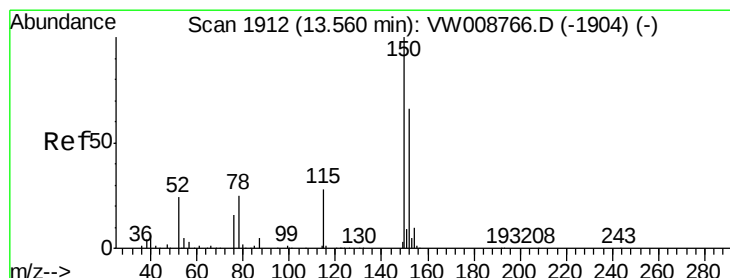
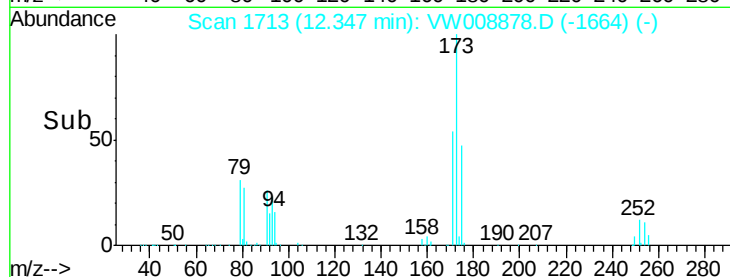
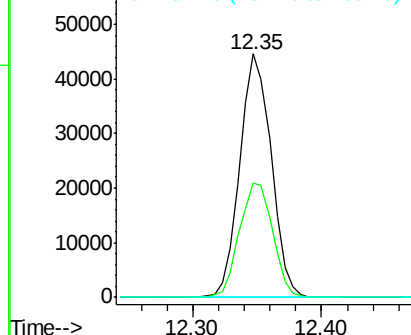
254 0.3 0.2 0.4

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

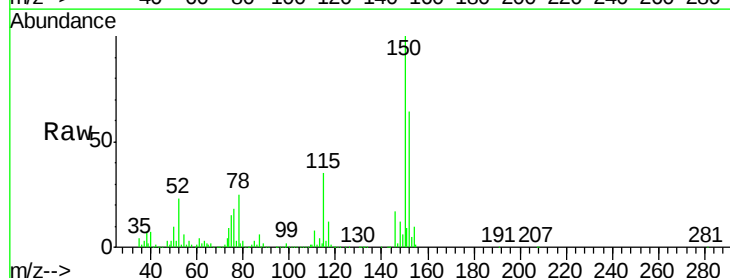
Tgt Ion:152 Resp: 226279

Ion Ratio Lower Upper

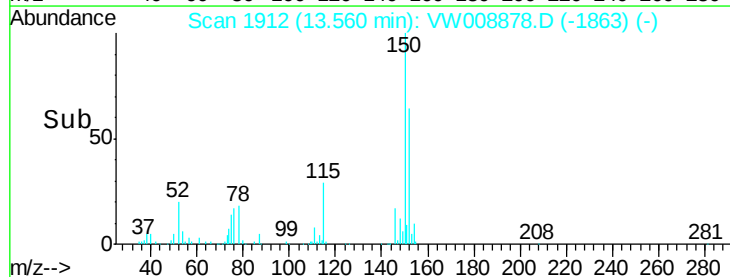
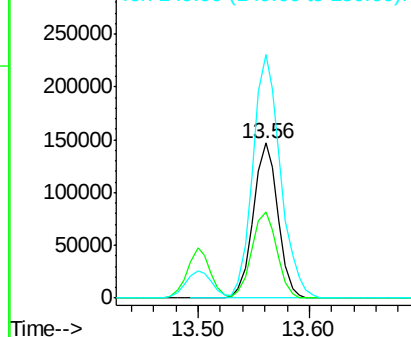
152 100

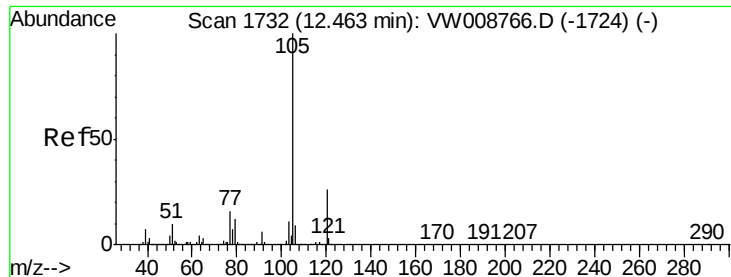
115 56.8 28.6 85.8

150 175.2 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.483 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 891689

Ion Ratio Lower Upper

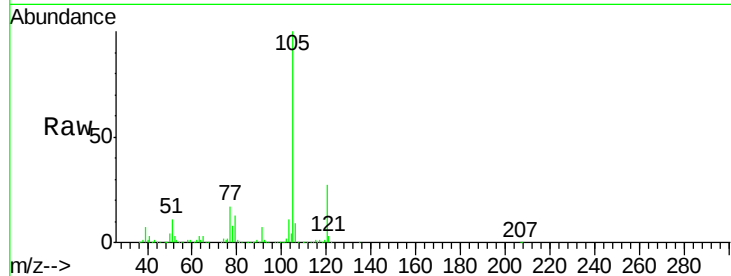
105 100

120 26.6 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

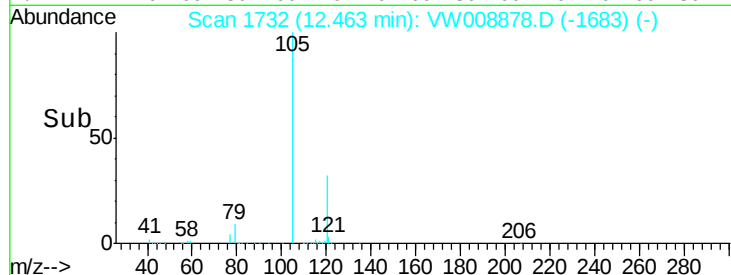
300000

200000

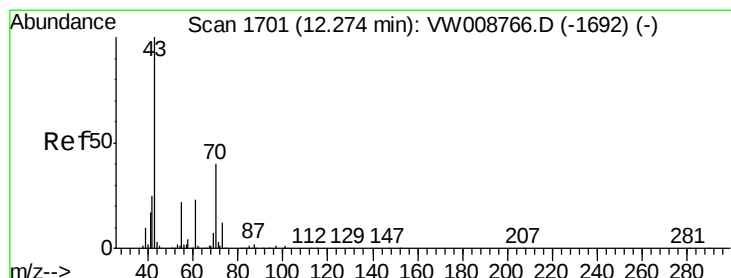
100000

0

Time-->



Time-->



#74

N-ethyl acetate

Concen: 46.360 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion: 43 Resp: 181148

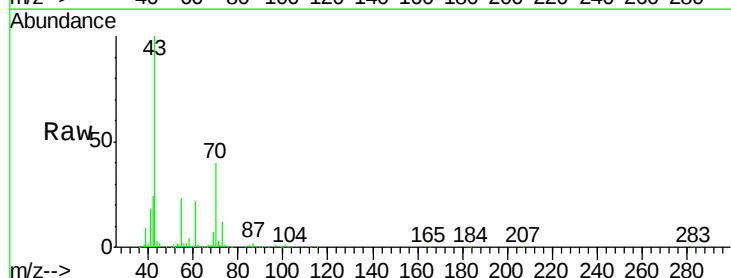
Ion Ratio Lower Upper

43 100

70 38.5 31.0 46.6

55 22.9 18.7 28.1

61 22.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

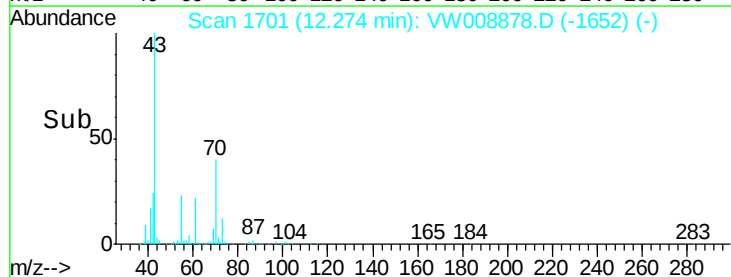
150000

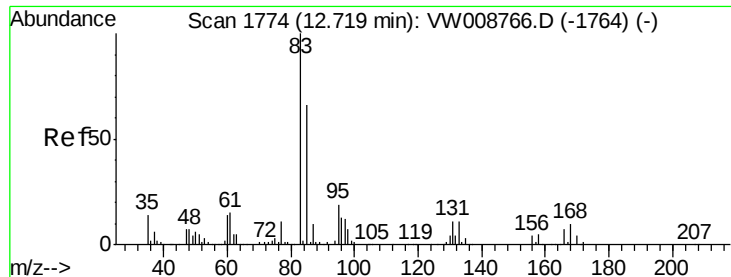
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.435 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

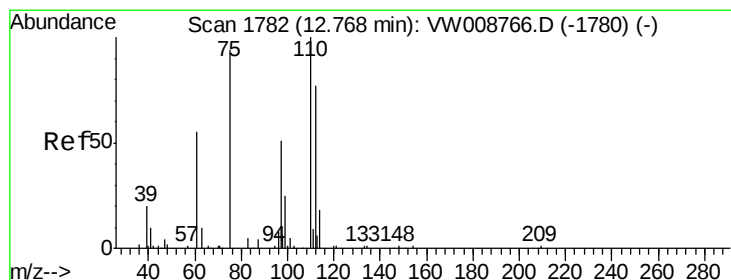
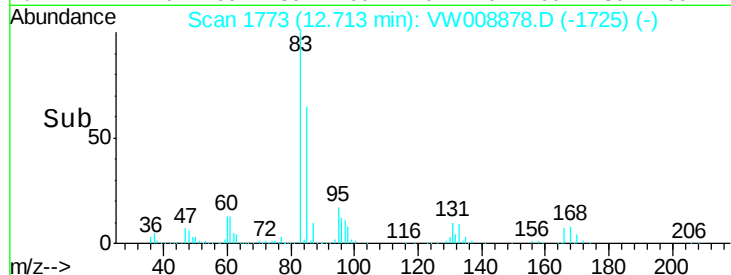
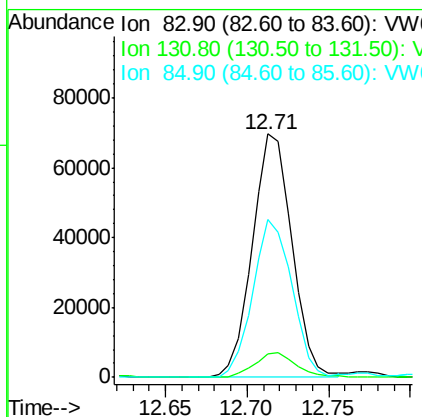
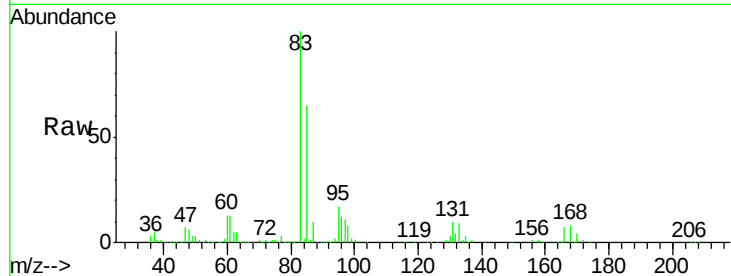
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	117698
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	64.2	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.589 ug/l m

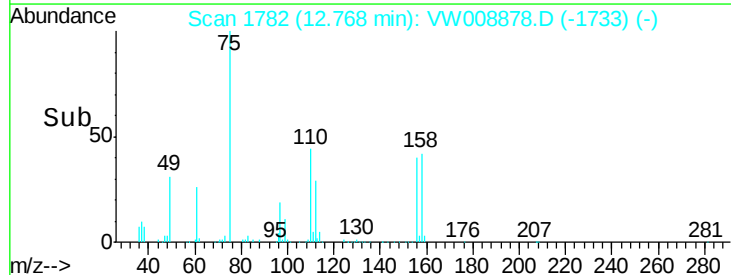
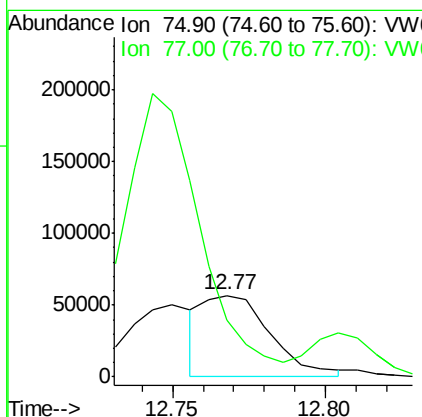
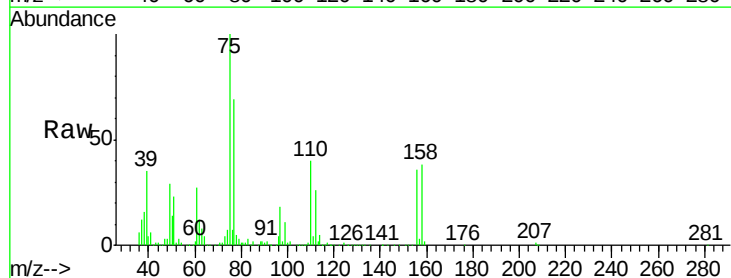
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion:	75	Resp:	87040
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.607 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

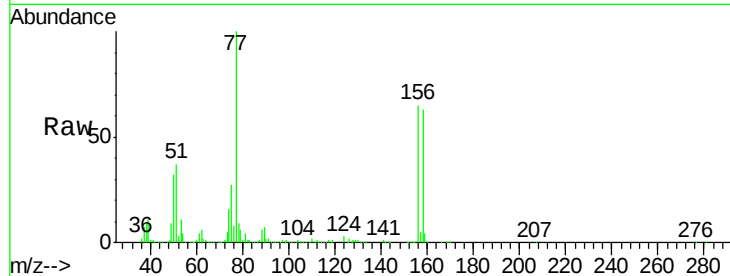
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.1	267.4
158	97.3	49.2	147.6

Manual Integrations
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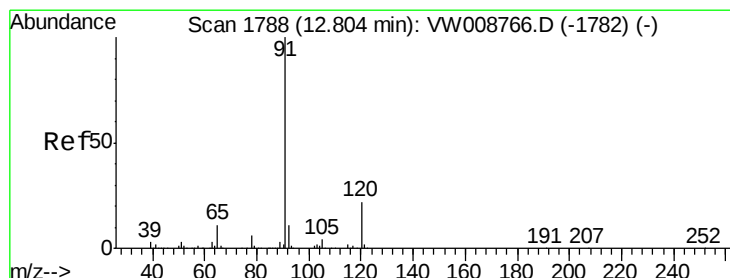
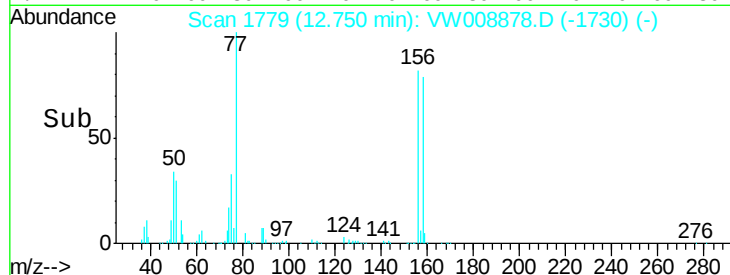
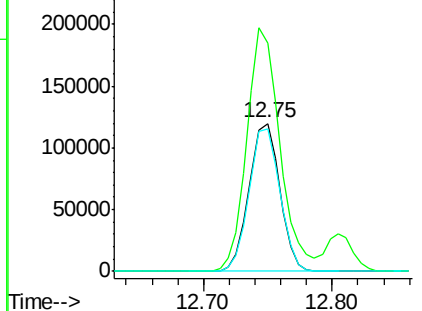
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.792 ug/l

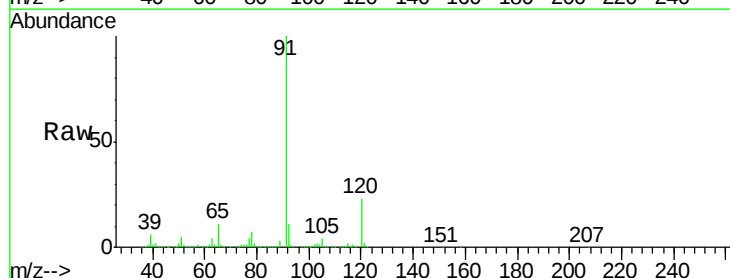
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008878.D

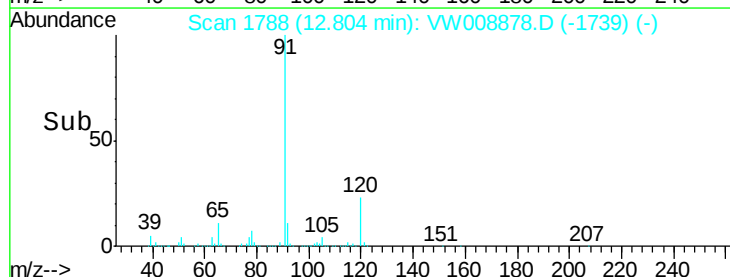
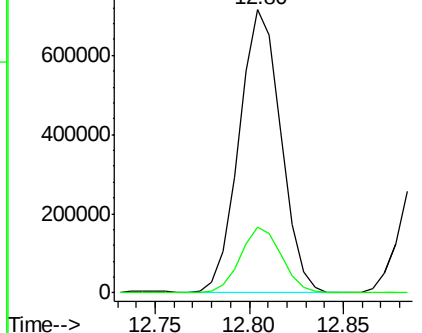
Acq: 28 Feb 2019 10:44

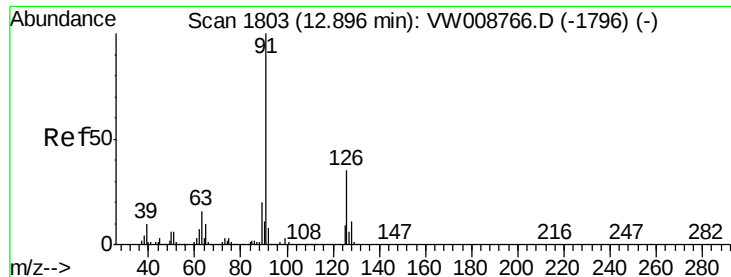
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.981 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 603097

Ion Ratio Lower Upper

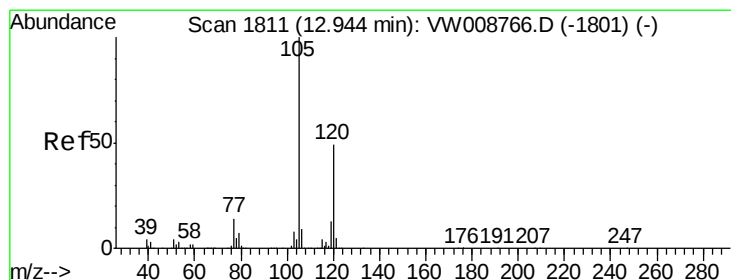
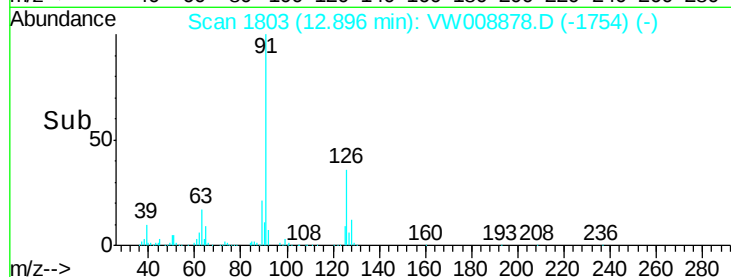
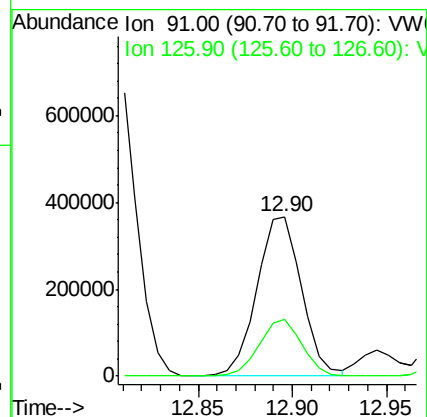
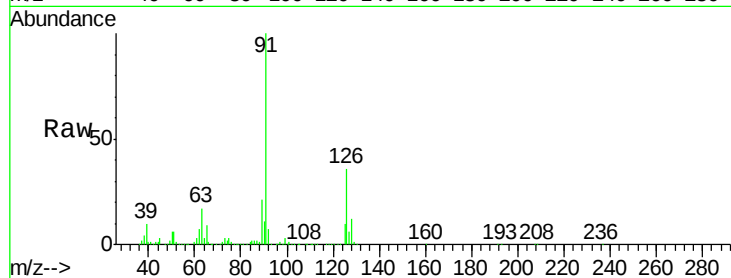
91 100

126 34.2 17.0 51.0

Manual Integrations
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3/1/2019 2:56:47 PM



#80

1,3,5-Trimethylbenzene

Concen: 55.947 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008878.D

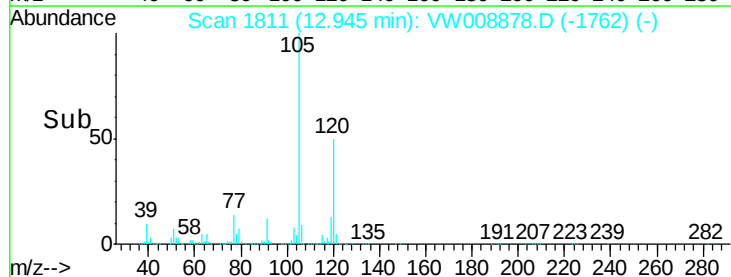
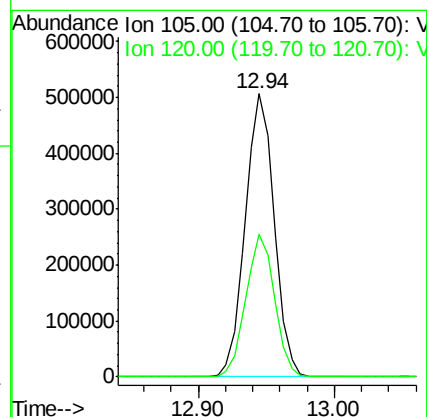
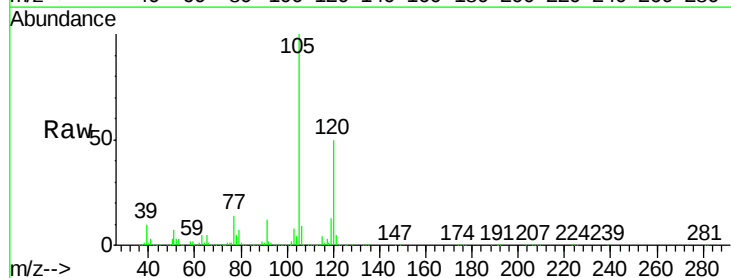
Acq: 28 Feb 2019 10:44

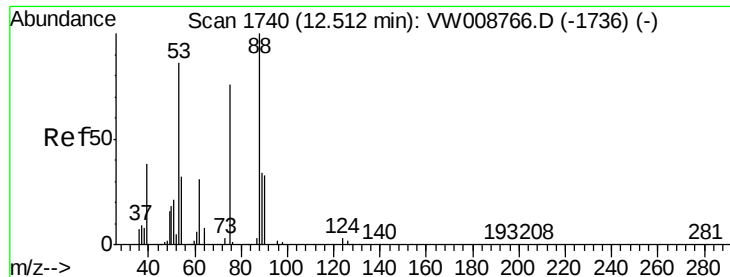
Tgt Ion: 105 Resp: 754195

Ion Ratio Lower Upper

105 100

120 50.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.623 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 37366

Ion Ratio Lower Upper

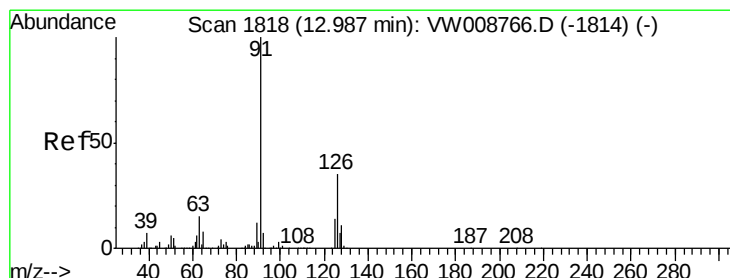
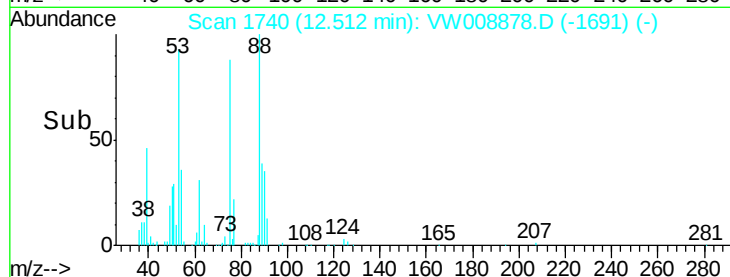
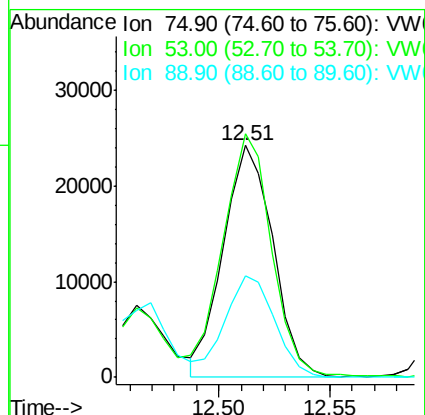
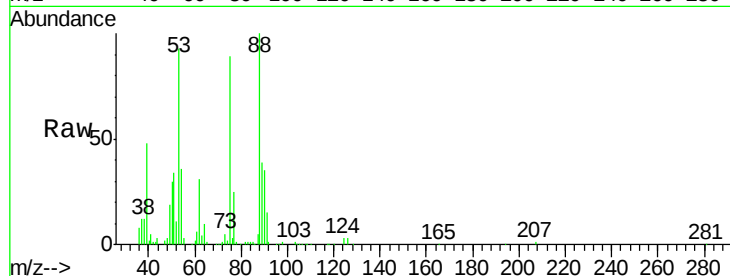
75 100

53 104.4 88.2 132.2

89 44.6 39.5 59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.133 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW008878.D

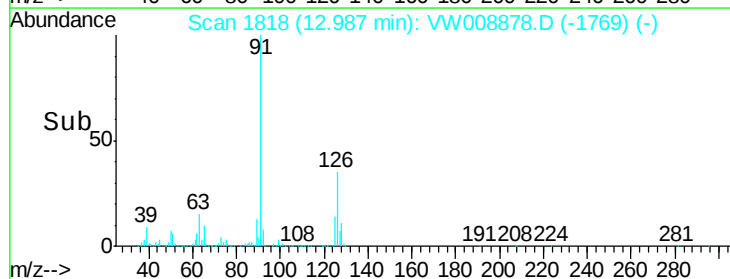
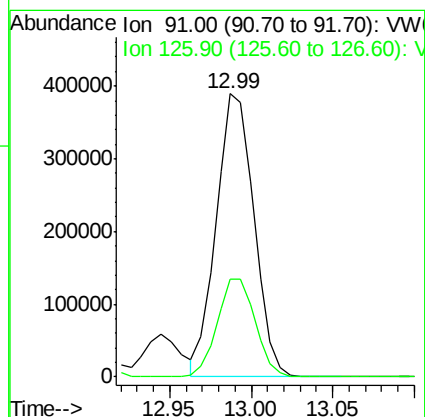
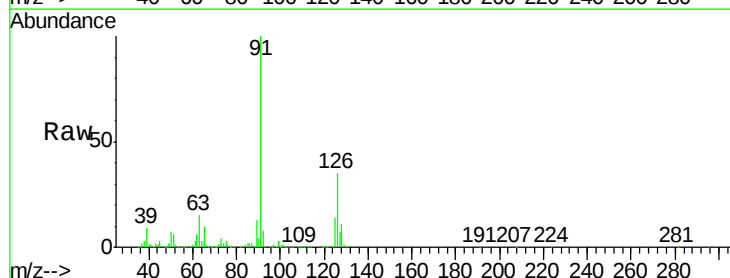
Acq: 28 Feb 2019 10:44

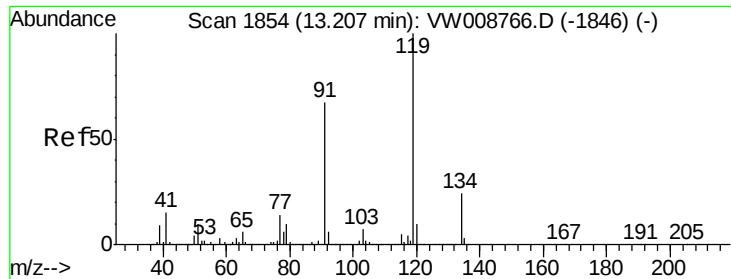
Tgt Ion: 91 Resp: 625920

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.6





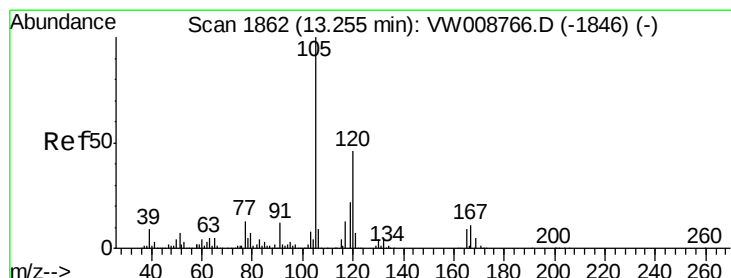
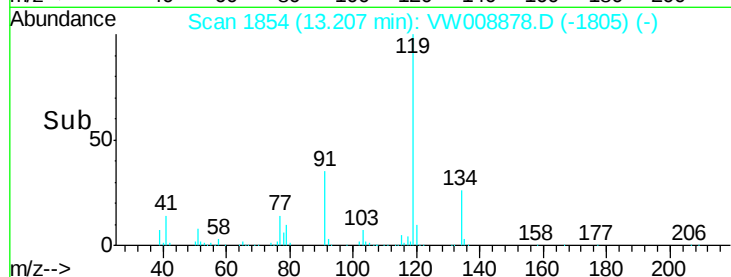
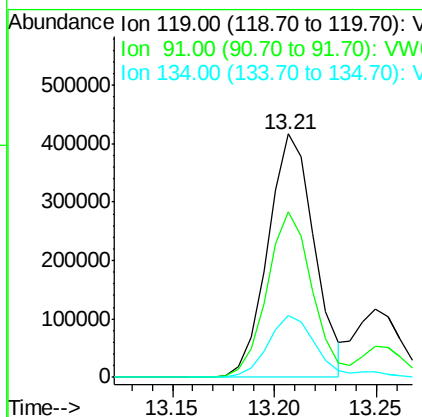
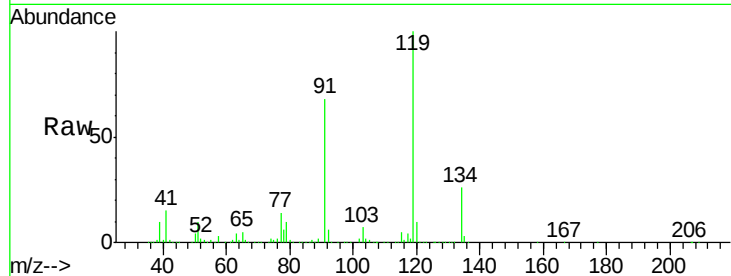
#83
tert-Butylbenzene
Concen: 56.618 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.6	100.8
134	27.3	13.7	41.1

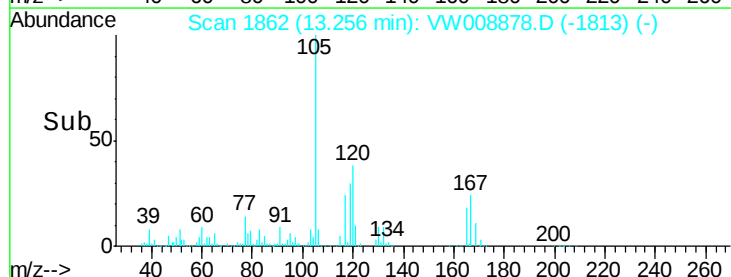
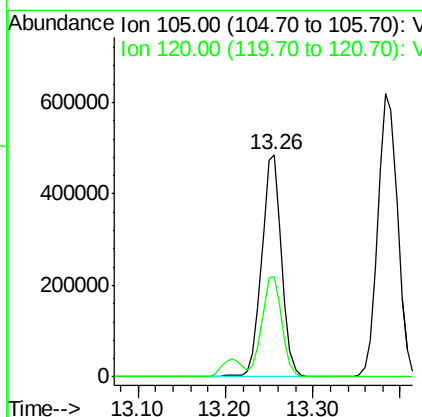
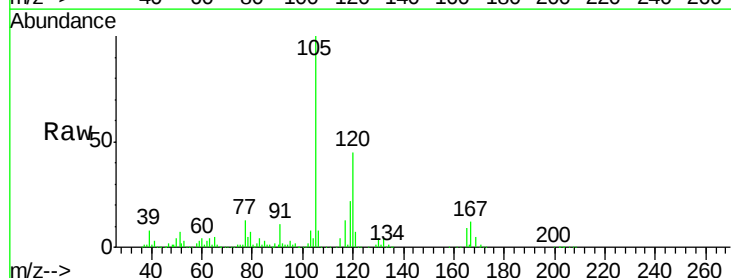
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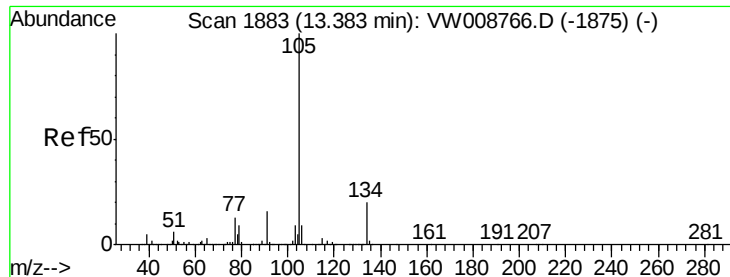
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#84
1,2,4-Trimethylbenzene
Concen: 54.661 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 57.453 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 962928

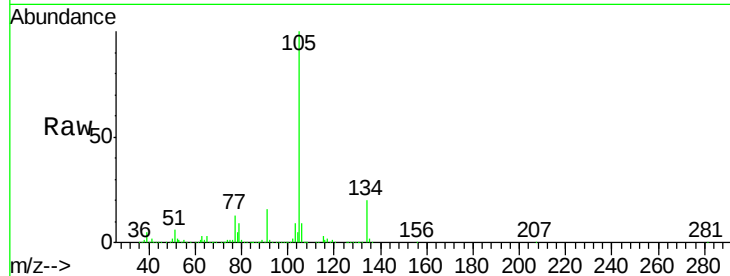
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1

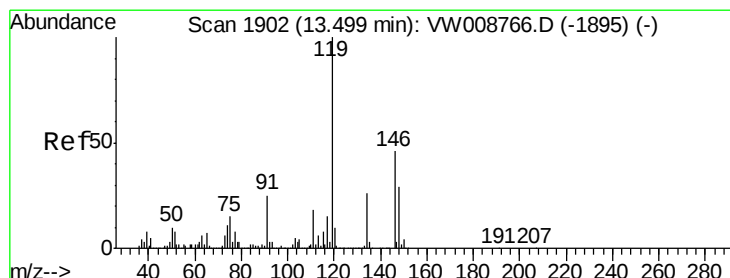
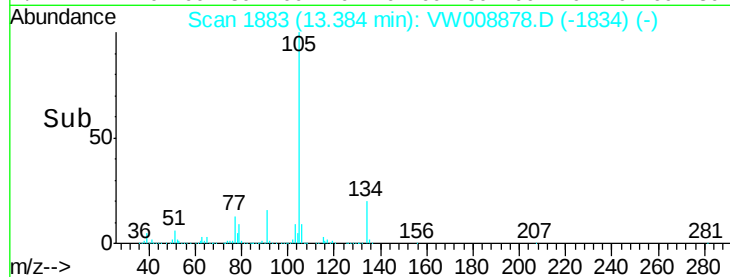
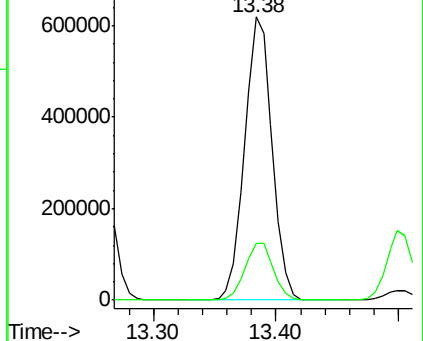
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.317 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

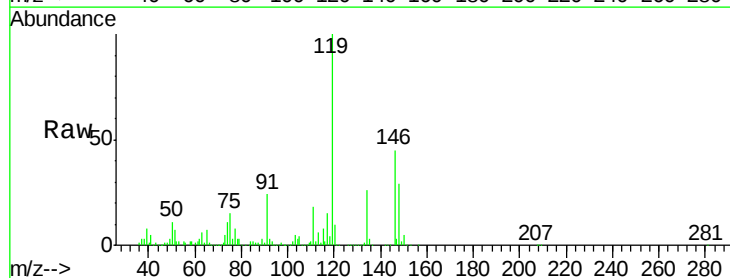
Tgt Ion:119 Resp: 865298

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

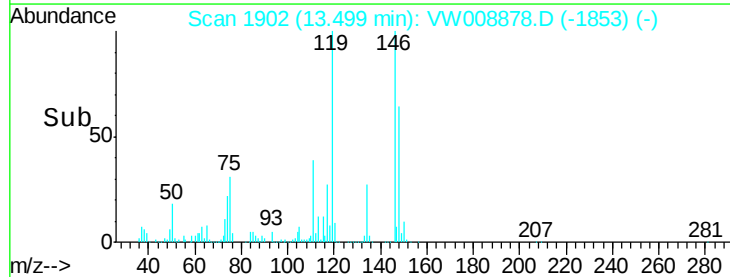
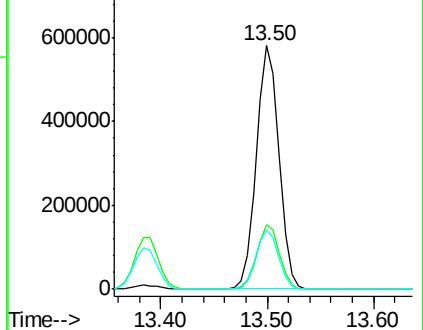
91 24.1 12.1 36.3

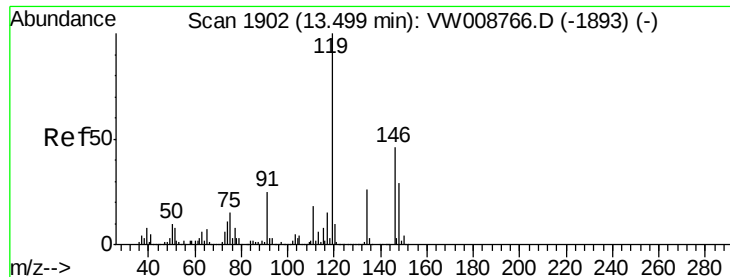


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.042 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

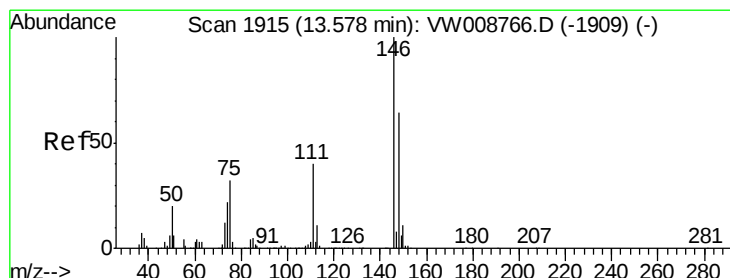
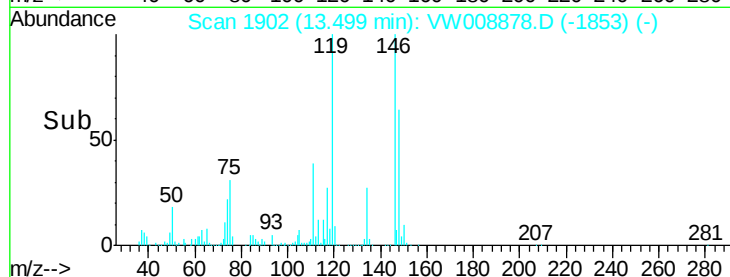
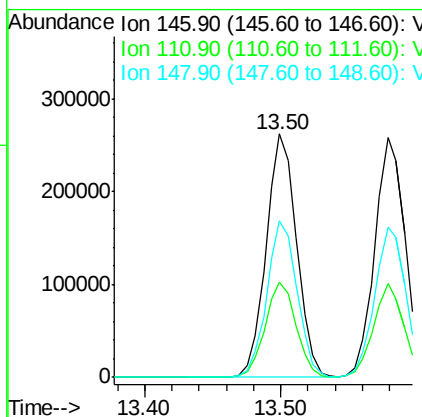
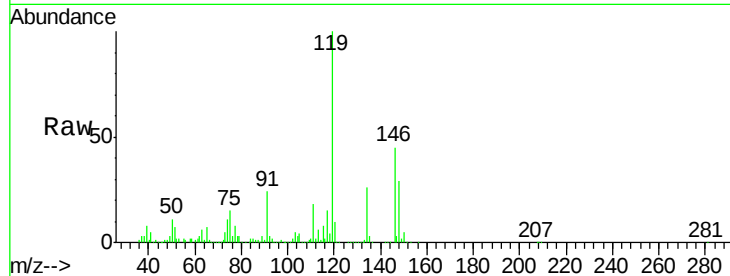
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.6	19.9	59.7	
148	63.7	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 53.357 ug/l

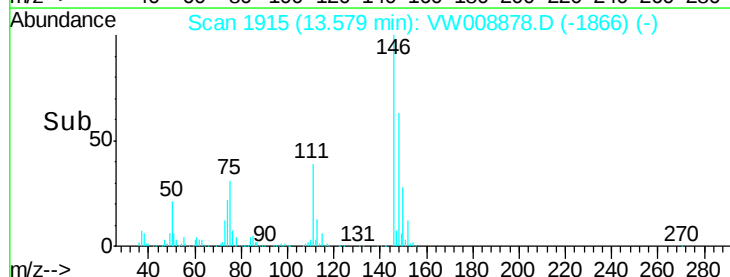
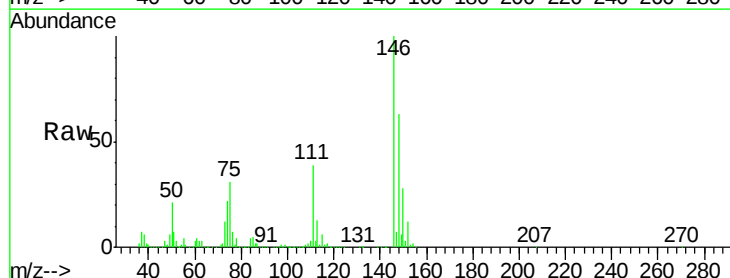
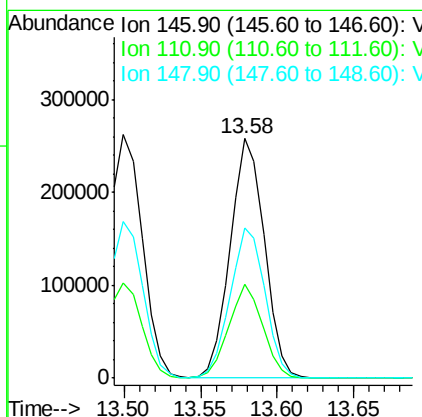
RT: 13.58 min Scan# 1915

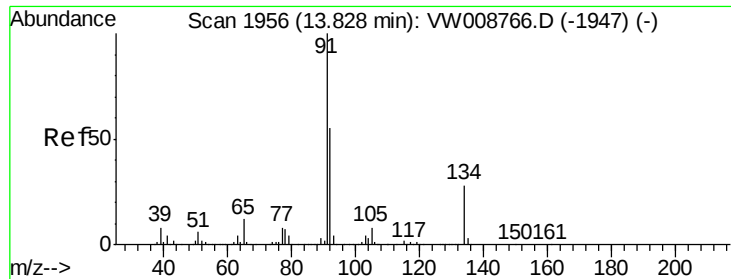
Delta R.T. 0.00 min

Lab File: VW008878.D

Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.9	19.3	57.9	
148	64.1	31.9	95.9	





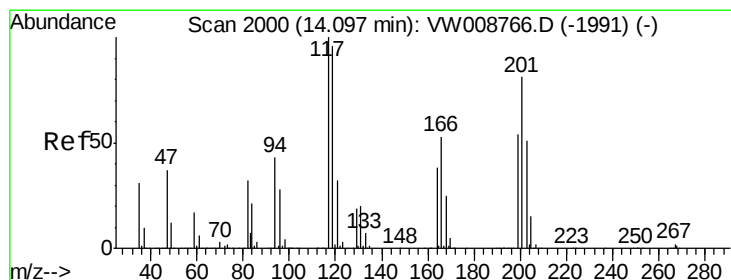
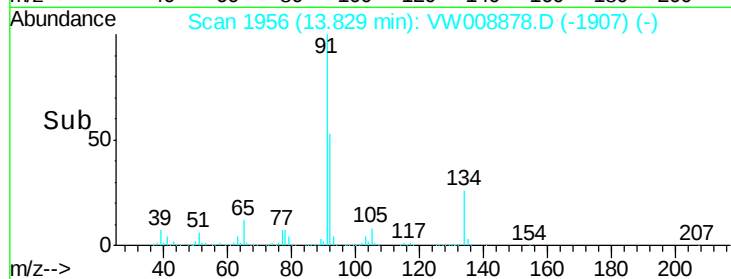
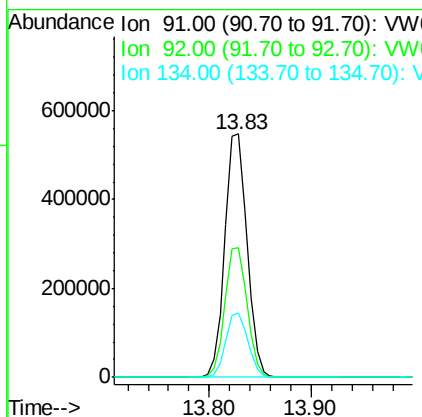
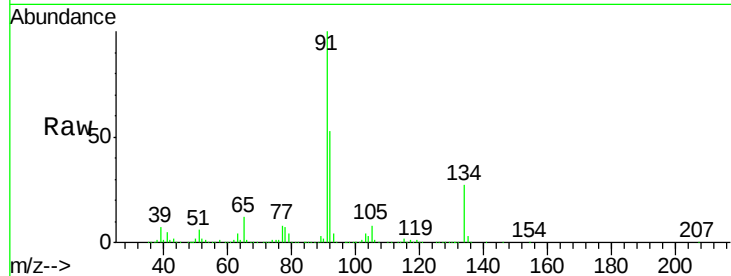
#89
n-Butylbenzene
Concen: 57.348 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.4
134	26.4	13.5	40.4

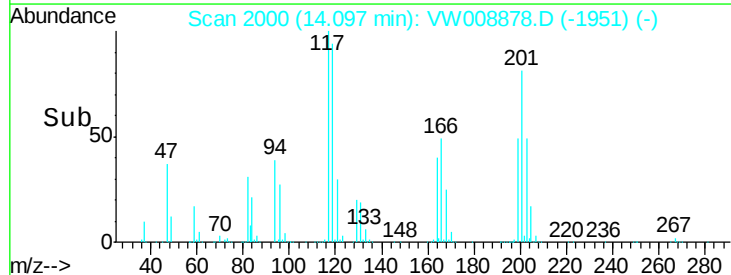
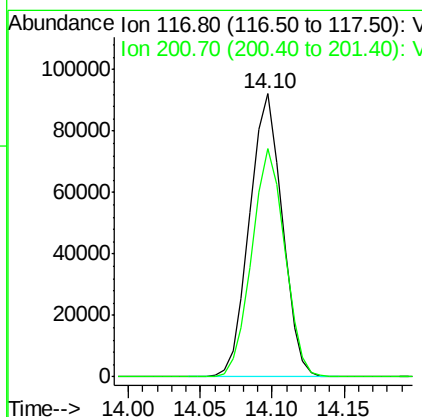
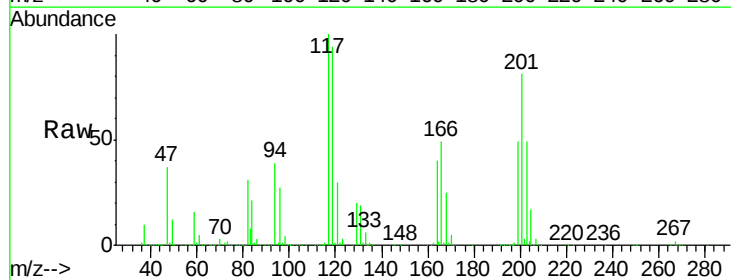
Manual Integrations
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#90
Hexachloroethane
Concen: 57.654 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.3	120.8





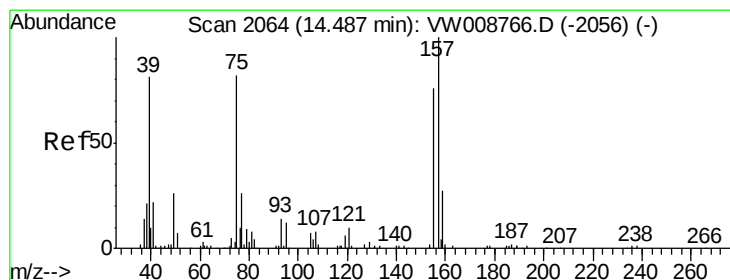
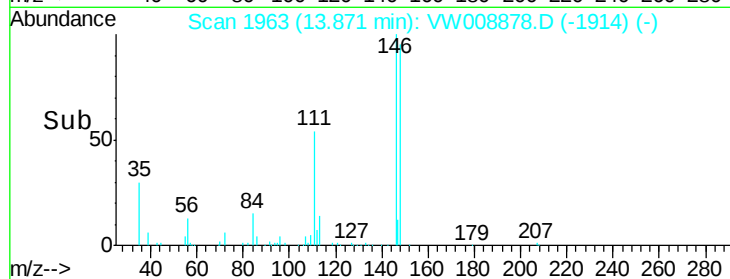
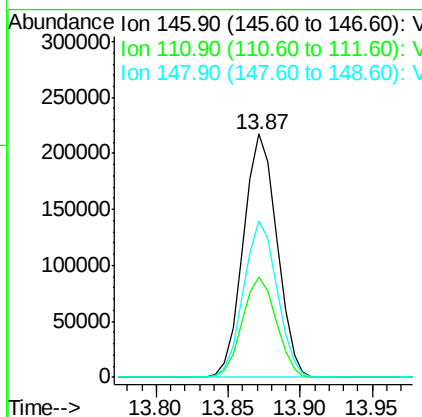
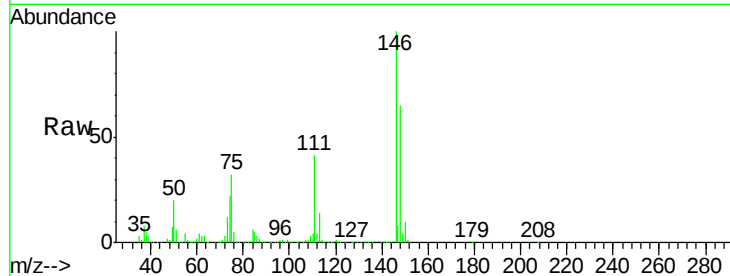
#91
 1,2-Dichlorobenzene
 Concen: 51.843 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	64.3	32.5	97.5

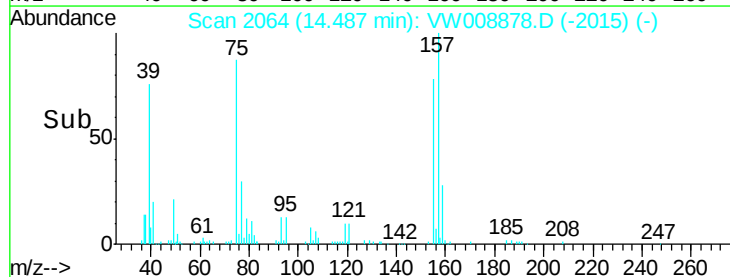
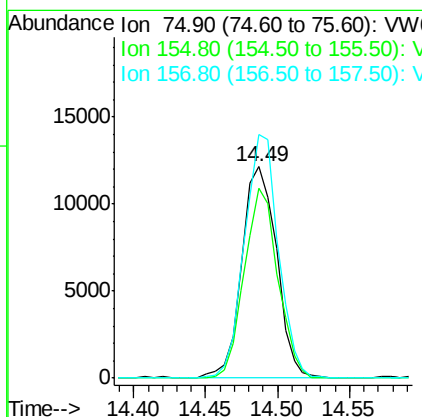
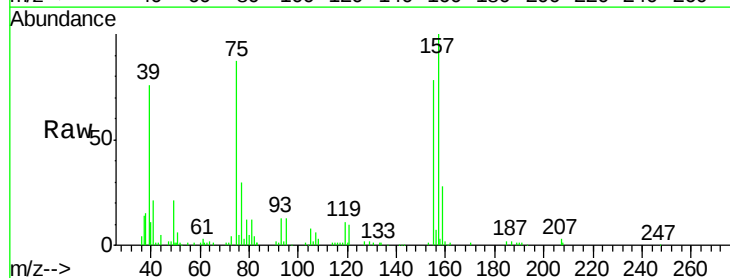
Manual Integrations
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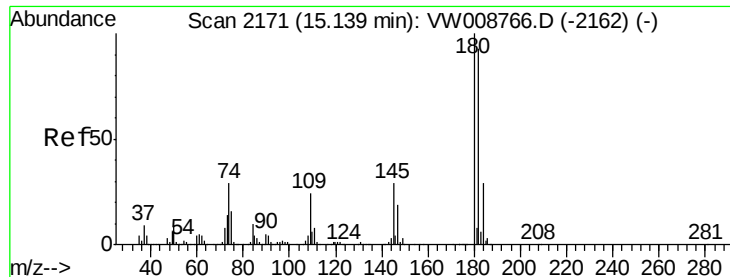
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.390 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.8	125.4
157	112.1	56.6	169.9





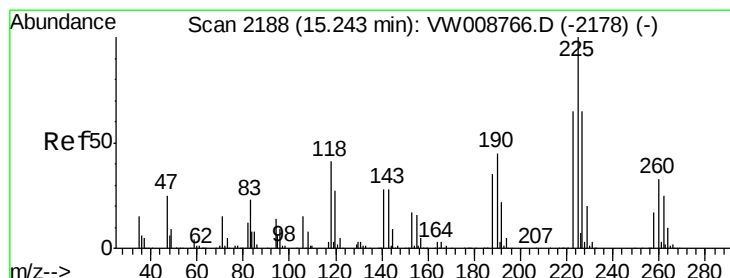
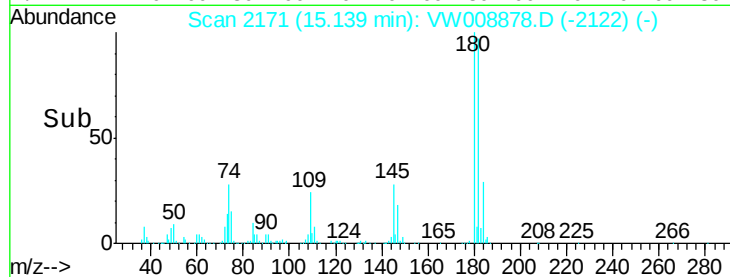
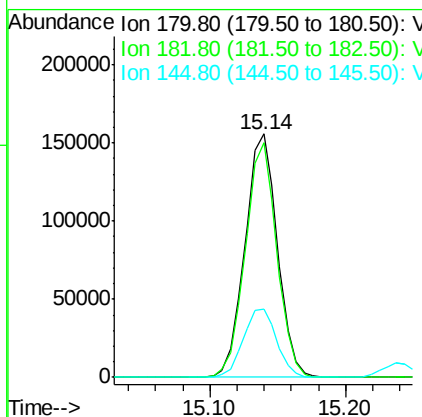
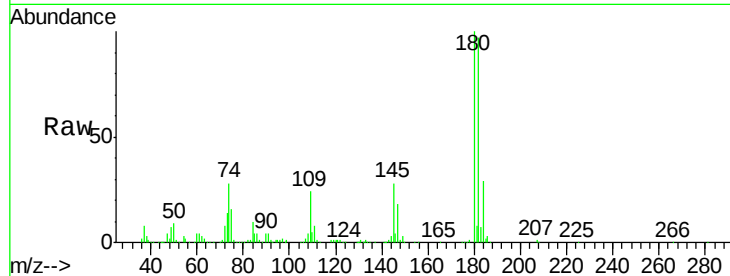
#93
 1,2,4-Trichlorobenzene
 Concen: 53.139 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	259460		
182	94.1	47.2	141.6	
145	29.1	14.4	43.0	

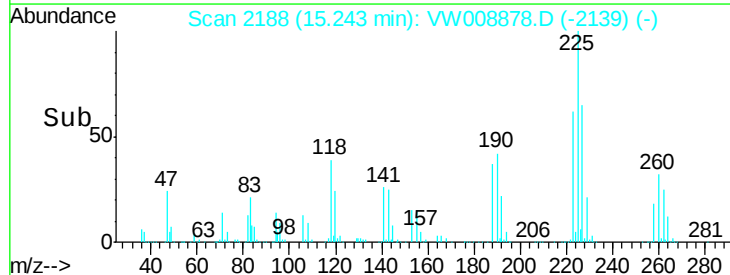
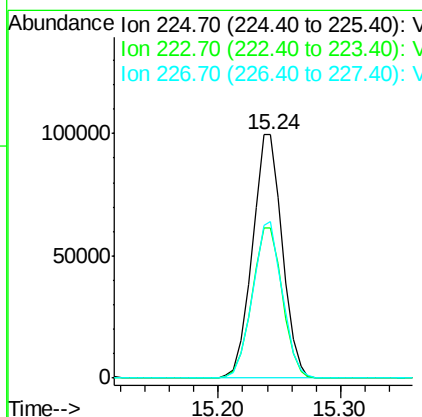
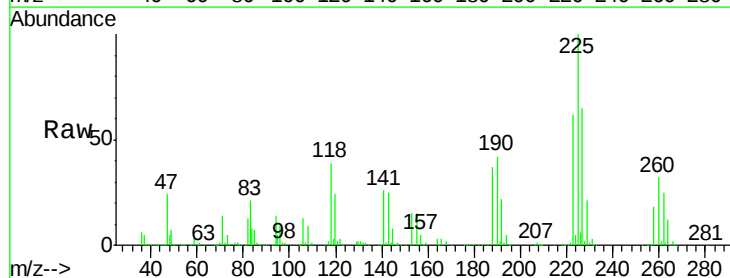
Manual Integrations
 APPROVED

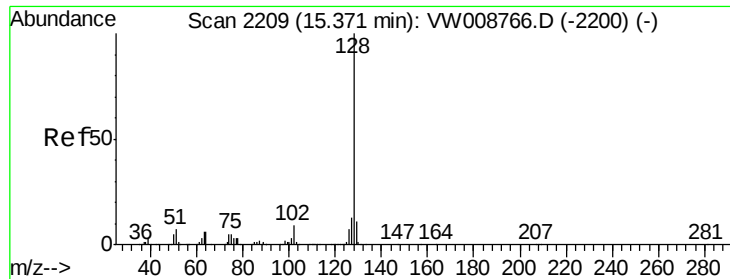
MMDadoda
 3/1/2019 2:56:47 PM



#94
 Hexachlorobutadiene
 Concen: 58.722 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008878.D
 Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168890		
223	62.9	31.5	94.5	
227	64.0	31.6	94.8	





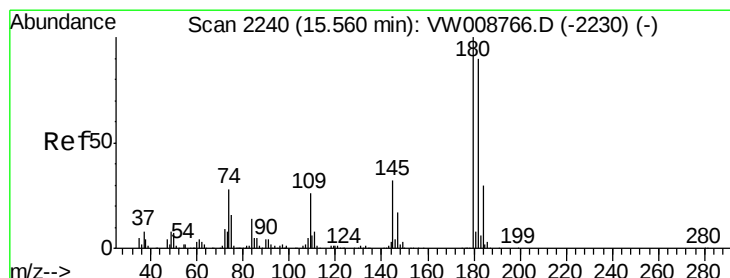
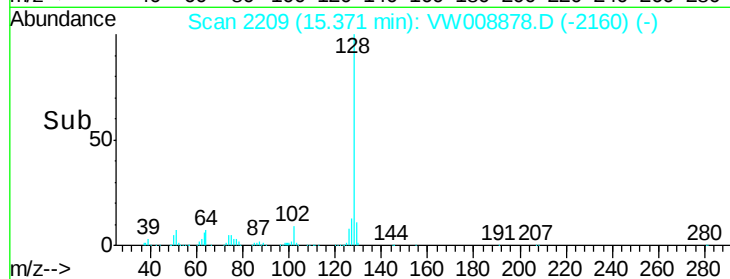
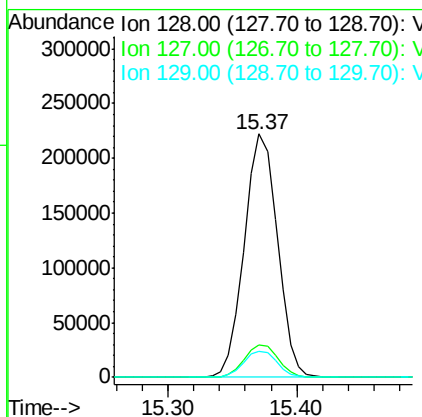
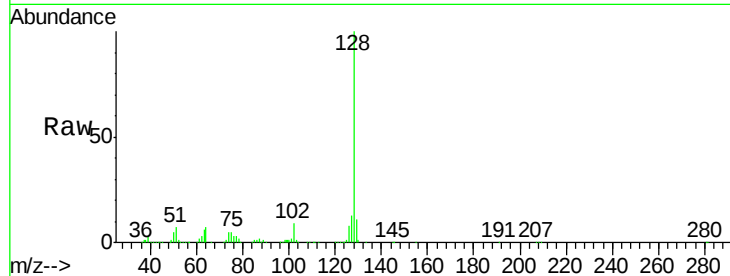
#95
Naphthalene
Concen: 47.596 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	395688		
127	13.6		10.8	16.2
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/1/2019 2:56:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.098 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008878.D
Acq: 28 Feb 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215723		
182	95.2		46.9	140.8
145	31.9		15.9	47.6

