

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030219\
 Data File : VW008937.D
 Acq On : 01 Mar 2019 22:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 4:05:18 AM

Quant Time: Mar 02 05:15:03 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	241074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128738	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.88	113	115663	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	10.32	98	455359	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	
62) 4-Bromofluorobenzene	12.62	95	175786	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	112305	46.512	ug/l	98
3) Chloromethane	2.21	50	145960	49.661	ug/l	99
4) Vinyl Chloride	2.35	62	142430	45.769	ug/l	99
5) Bromomethane	2.76	94	119191	51.567	ug/l	97
6) Chloroethane	2.91	64	103084	46.649	ug/l	99
7) Trichlorofluoromethane	3.26	101	192247	48.846	ug/l	100
8) Diethyl Ether	3.68	74	63550	51.002	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	115497	48.324	ug/l	98
10) Methyl Iodide	4.27	142	122324	40.929	ug/l	96
11) Tert butyl alcohol	5.18	59	46272	229.872	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	100490	47.609	ug/l	97
13) Acrolein	3.90	56	54830	257.588	ug/l	99
14) Allyl chloride	4.67	41	186458	51.183	ug/l	99
15) Acrylonitrile	5.37	53	148048	276.852	ug/l	100
16) Acetone	4.12	43	127951	244.137	ug/l	98
17) Carbon Disulfide	4.38	76	334983	47.833	ug/l	100
18) Methyl Acetate	4.68	43	68472	55.082	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	305509	53.474	ug/l	99
20) Methylene Chloride	4.92	84	137487	53.623	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	124360	50.934	ug/l	91
22) Diisopropyl ether	6.31	45	389950	53.659	ug/l	96
23) Vinyl Acetate	6.26	43	1191260	265.313	ug/l	100
24) 1,1-Dichloroethane	6.21	63	221017	52.484	ug/l	98
25) 2-Butanone	7.17	43	189227	258.253	ug/l	99
26) 2,2-Dichloropropane	7.16	77	170402	44.571	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	135358	51.826	ug/l	97
28) Bromochloromethane	7.51	49	91799	52.093	ug/l	98
29) Tetrahydrofuran	7.52	42	126078	270.009	ug/l	99
30) Chloroform	7.68	83	233676	54.090	ug/l	100
31) Cyclohexane	7.95	56	198873	46.655	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	200479	51.029	ug/l	97
36) 1,1-Dichloropropene	8.09	75	173093	50.636	ug/l	99
37) Ethyl Acetate	7.26	43	82240	51.736	ug/l	98
38) Carbon Tetrachloride	8.07	117	179185	49.705	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	208318	48.858	ug/l	97
40) Benzene	8.32	78	498217	53.381	ug/l	99
41) Methacrylonitrile	7.49	41	47847	51.207	ug/l	94
42) 1,2-Dichloroethane	8.40	62	158963	53.767	ug/l	99
43) Isopropyl Acetate	8.42	43	167993	52.952	ug/l	99
44) Trichloroethene	9.09	130	135755	51.633	ug/l	99
45) 1,2-Dichloropropane	9.37	63	125432	54.385	ug/l	98
46) Dibromomethane	9.46	93	69600	54.253	ug/l	97
47) Bromodichloromethane	9.65	83	172274	55.193	ug/l	97
48) Methyl methacrylate	9.43	41	80302	52.849	ug/l	98
49) 1,4-Dioxane	9.45	88	23533	1145.482	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	444101	275.719	ug/l	99
52) Toluene	10.39	92	346433	54.693	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	168042	52.820	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	194342	53.560	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	96270	55.334	ug/l	99
56) Ethyl methacrylate	10.65	69	126137	55.804	ug/l	97
57) 1,3-Dichloropropane	10.93	76	166648	54.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	277615	244.200	ug/l	100
59) 2-Hexanone	10.97	43	306757	267.544	ug/l	99
60) Dibromochloromethane	11.13	129	118014	55.613	ug/l	99
61) 1,2-Dibromoethane	11.23	107	93565	54.331	ug/l	99
64) Tetrachloroethene	10.87	164	135937	55.238	ug/l	99
65) Chlorobenzene	11.66	112	383738	53.083	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	127338	52.095	ug/l	99
67) Ethyl Benzene	11.73	91	680134	52.629	ug/l	100
68) m/p-Xylenes	11.84	106	534383	103.494	ug/l	99
69) o-Xylene	12.16	106	255622	52.744	ug/l	100
70) Styrene	12.18	104	417811	53.585	ug/l	100
71) Bromoform	12.35	173	69244	52.701	ug/l #	99
73) Isopropylbenzene	12.47	105	686941	53.493	ug/l	100
74) N-amyl acetate	12.27	43	173156	53.531	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	113970	54.316	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	80601m	52.116	ug/l	
77) Bromobenzene	12.75	156	163345	53.827	ug/l	98
78) n-propylbenzene	12.80	91	829157	52.785	ug/l	99
79) 2-Chlorotoluene	12.90	91	480483	53.875	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	594825	53.302	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	31574	49.631	ug/l	97
82) 4-Chlorotoluene	12.99	91	496081	52.784	ug/l	100
83) tert-Butylbenzene	13.21	119	524943	54.402	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	602704	52.173	ug/l	99
85) sec-Butylbenzene	13.38	105	740165	53.346	ug/l	100
86) p-Isopropyltoluene	13.50	119	654793	51.480	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	328642	52.198	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	328963	53.013	ug/l	100
89) n-Butylbenzene	13.83	91	611202	51.292	ug/l	100
90) Hexachloroethane	14.10	117	113239	54.383	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	298005	53.121	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20826	54.868	ug/l	97

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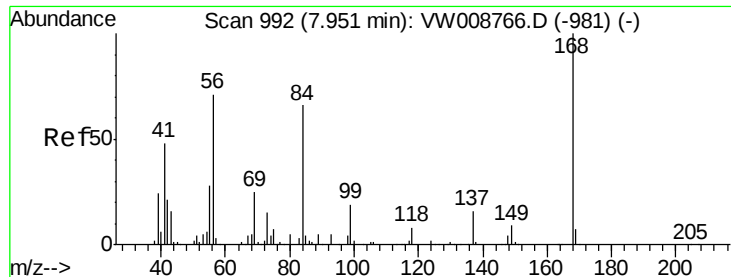
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	211711	52.377	ug/l	100
94) Hexachlorobutadiene	15.24	225	126906	53.301	ug/l	99
95) Naphthalene	15.37	128	376296	54.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	189122	54.114	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 241074

Ion Ratio Lower Upper

168 100

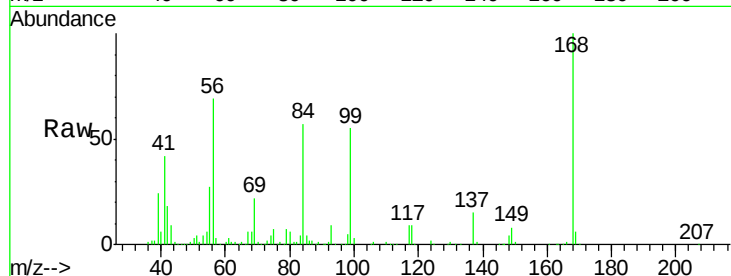
99 54.7 42.2 63.2

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

120000

100000

80000

60000

40000

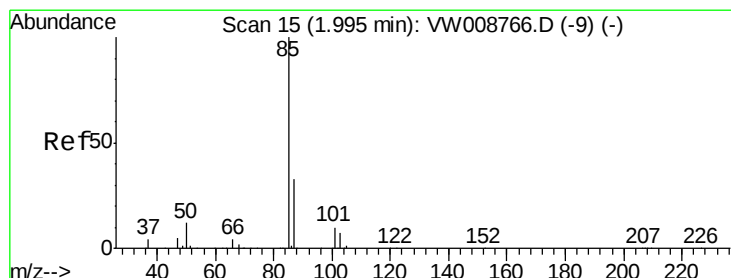
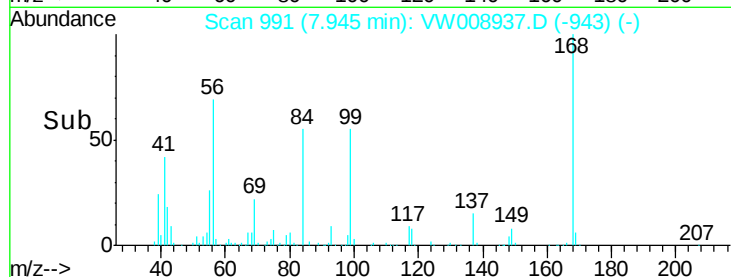
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 46.512 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008937.D

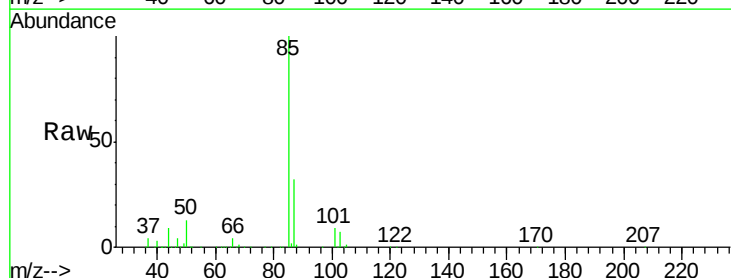
Acq: 01 Mar 2019 22:50

Tgt Ion: 85 Resp: 112305

Ion Ratio Lower Upper

85 100

87 31.6 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

80000

60000

40000

20000

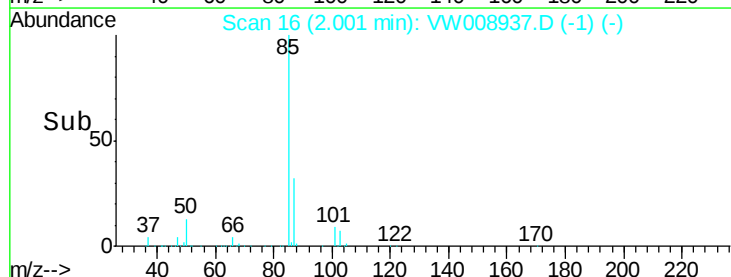
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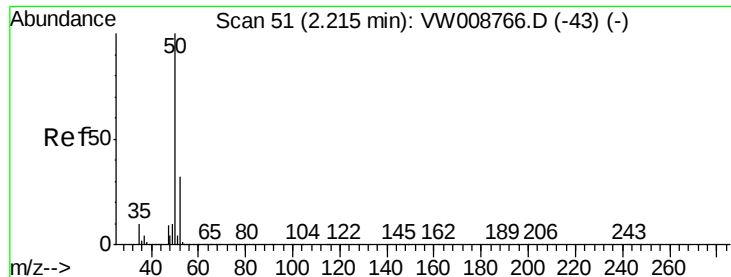
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 49.661 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 145960

Ion Ratio Lower Upper

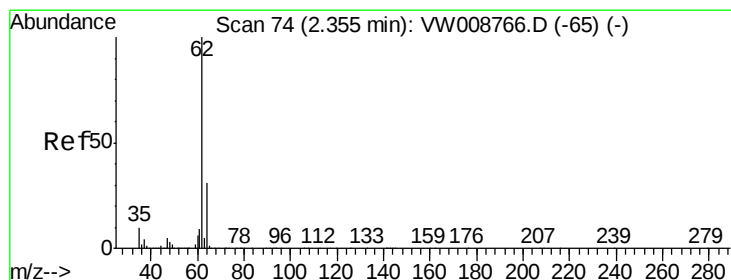
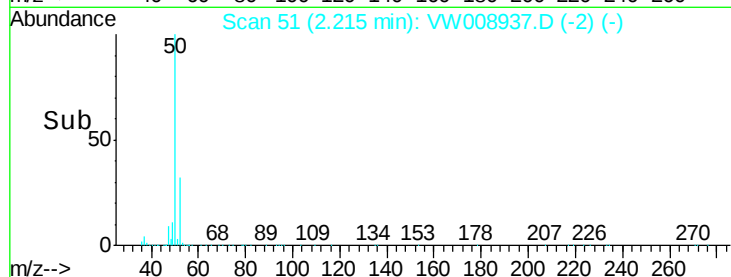
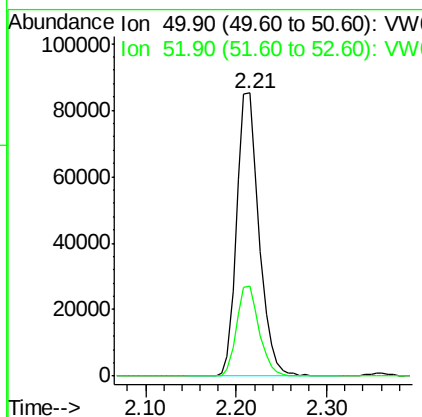
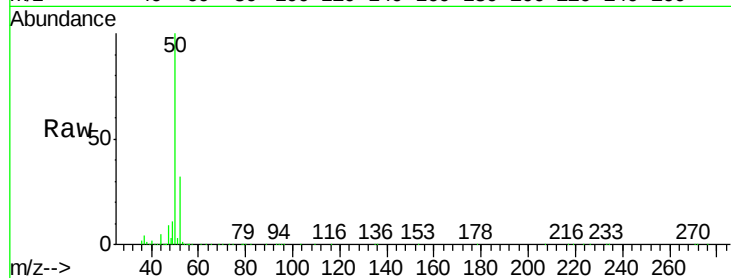
50 100

52 32.0 25.9 38.9

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#4

Vinyl Chloride

Concen: 45.769 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008937.D

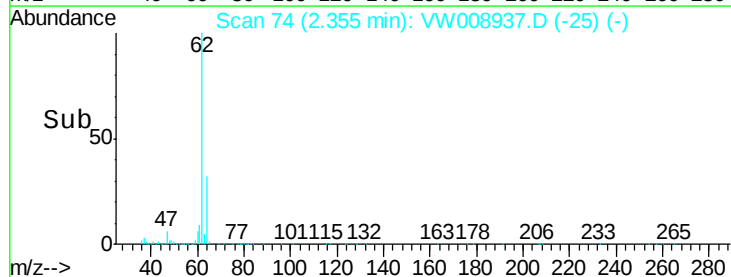
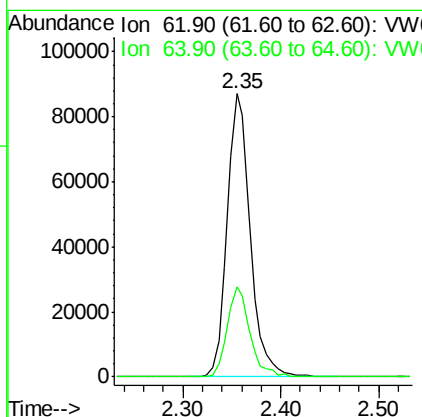
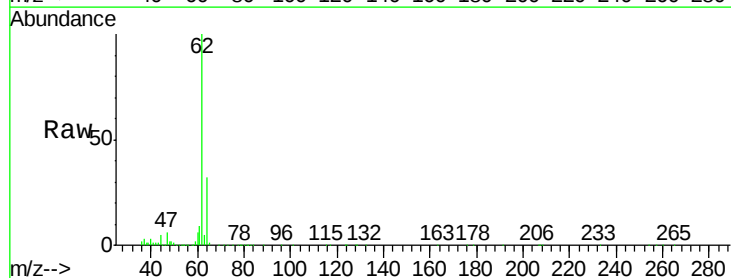
Acq: 01 Mar 2019 22:50

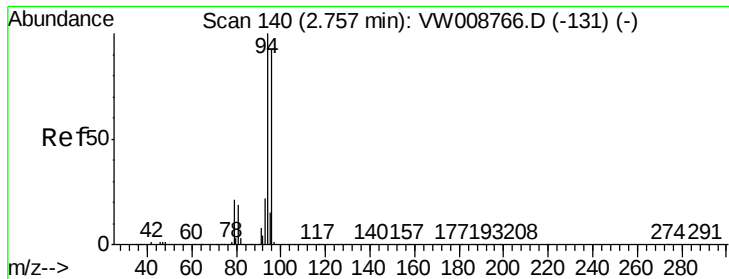
Tgt Ion: 62 Resp: 142430

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3





#5

Bromomethane

Concen: 51.567 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 119191

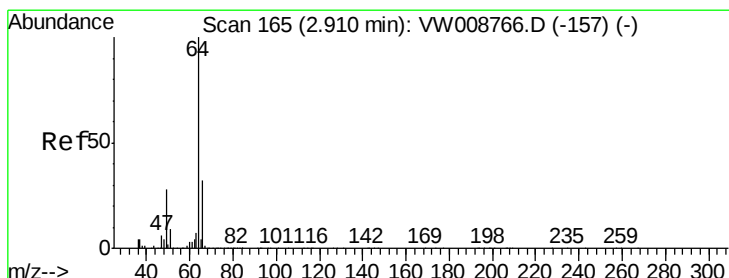
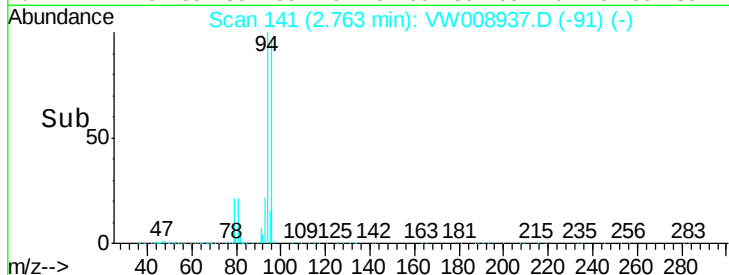
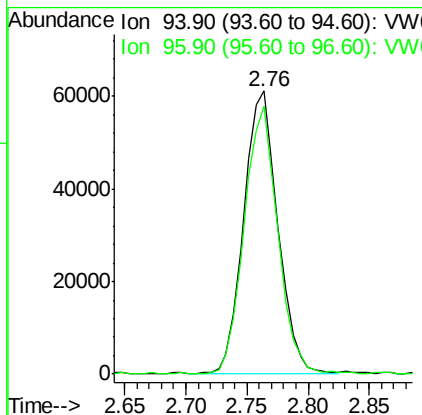
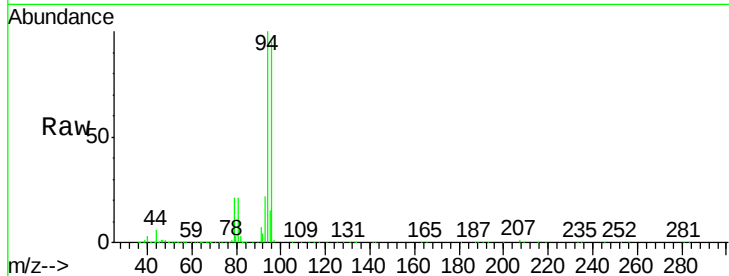
Ion Ratio Lower Upper

94 100

96 94.4 73.4 110.2

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#6

Chloroethane

Concen: 46.649 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008937.D

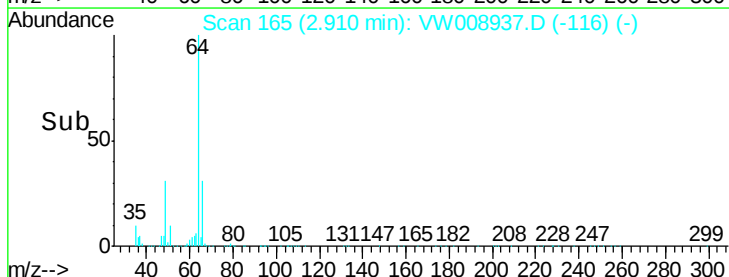
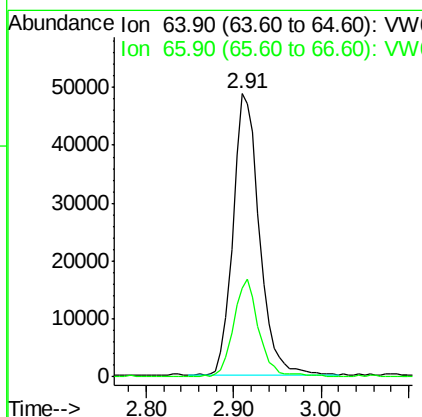
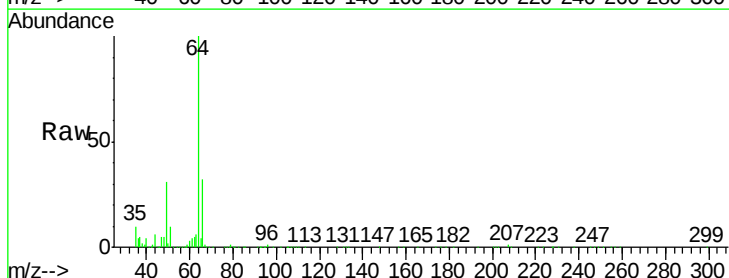
Acq: 01 Mar 2019 22:50

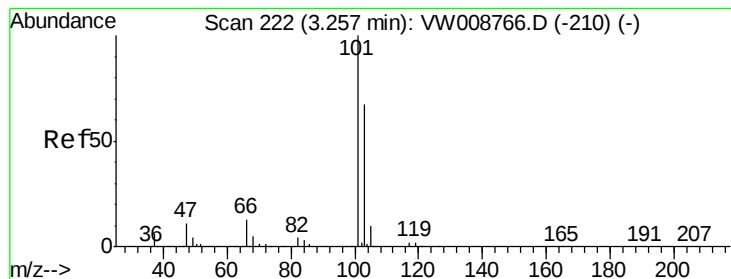
Tgt Ion: 64 Resp: 103084

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

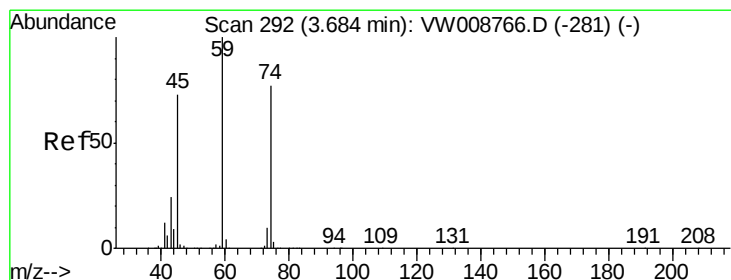
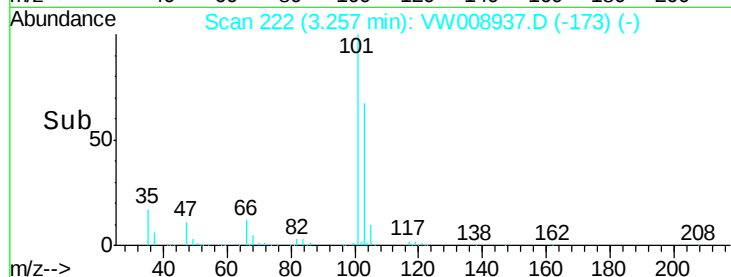
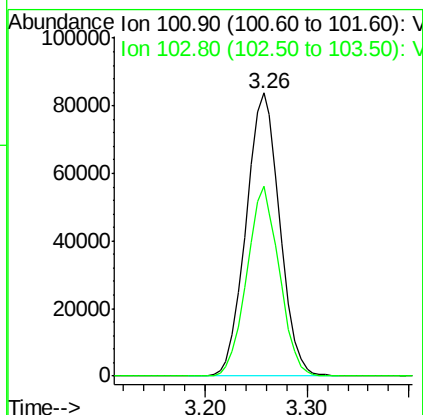
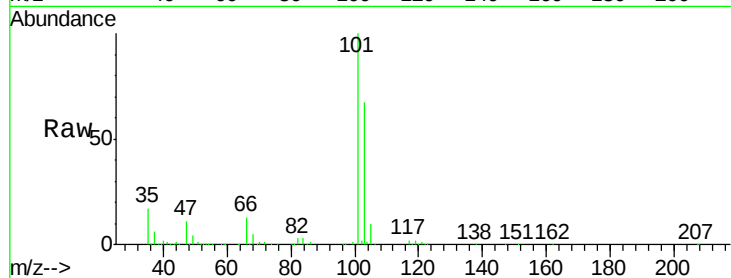
Trichlorofluoromethane
 Concen: 48.846 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	53.9	80.9

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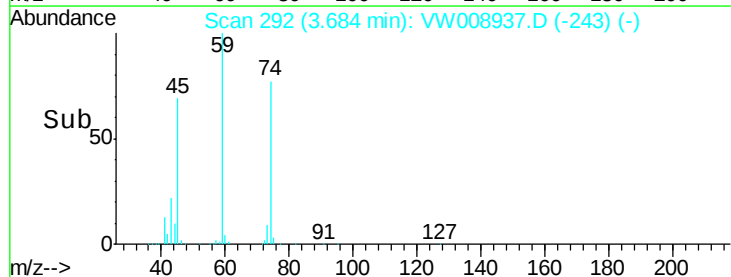
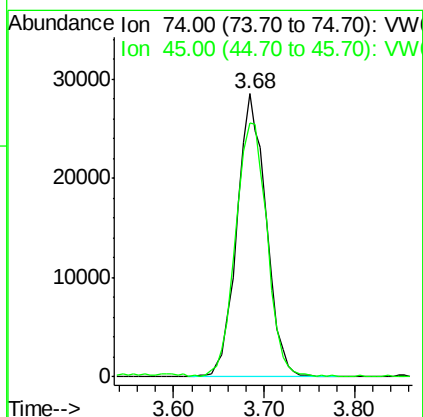
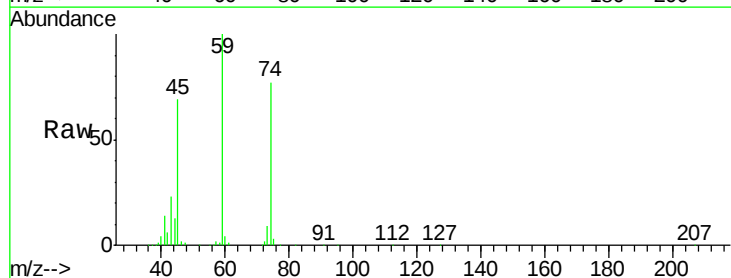
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 3/5/2019 4:05:18 AM



#8

Diethyl Ether
 Concen: 51.002 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.324 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

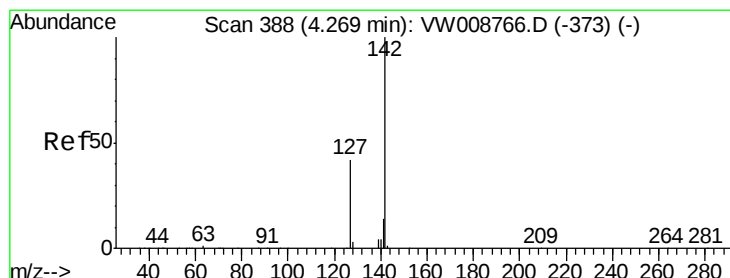
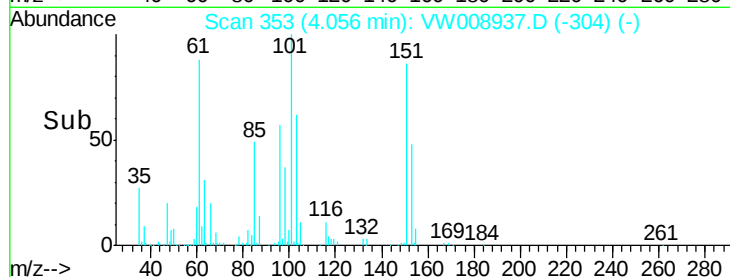
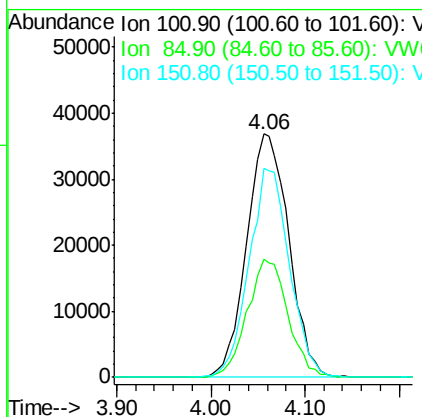
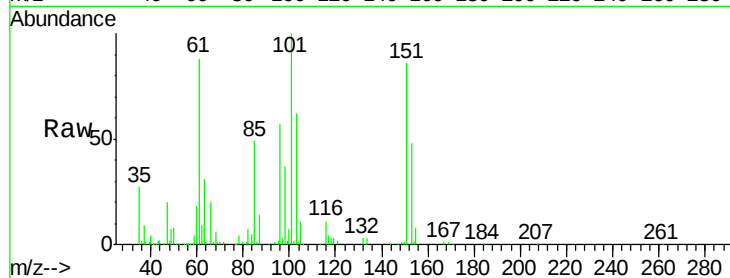
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	115497
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.0	54.0
151	82.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 40.929 ug/l

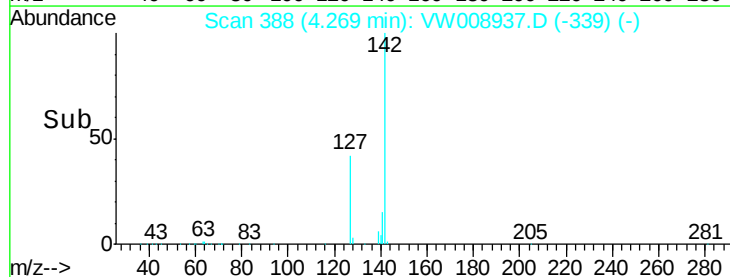
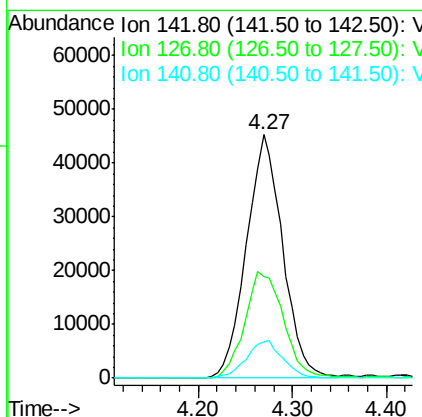
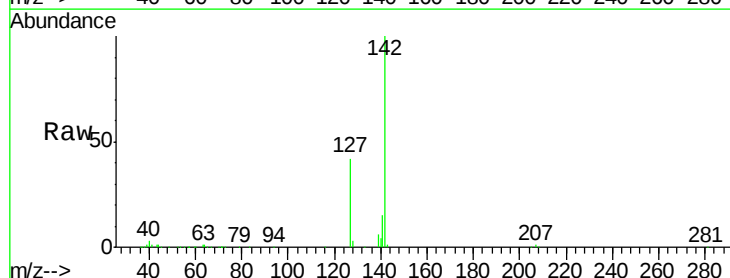
RT: 4.27 min Scan# 388

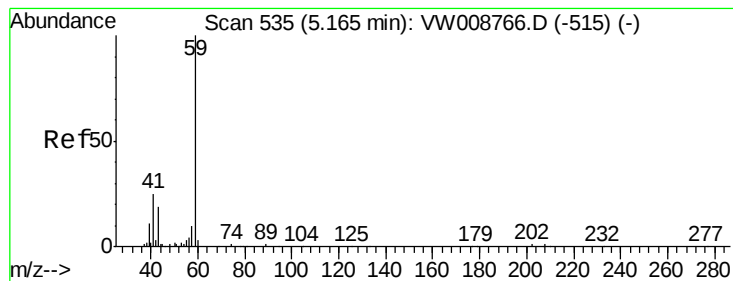
Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	142	Resp:	122324
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.3	52.9
141	15.5	11.7	17.5





#11

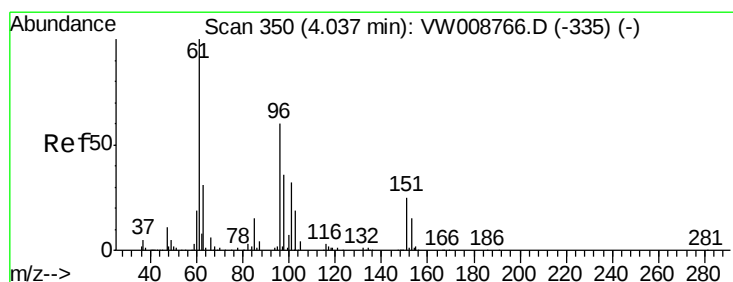
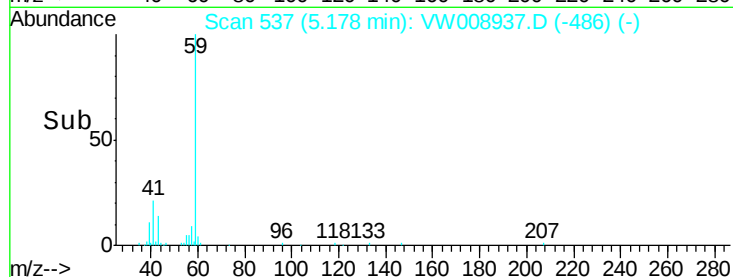
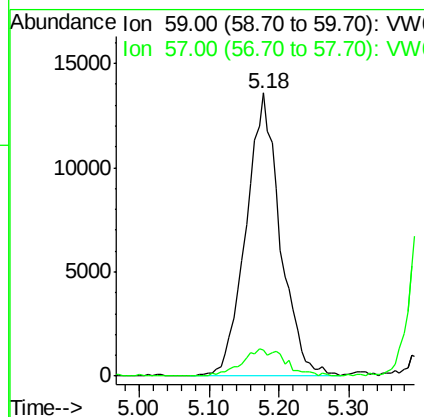
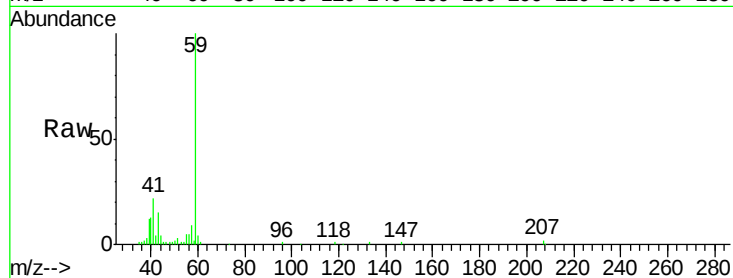
Tert butyl alcohol
 Concen: 229.872 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	9.3	13.9#

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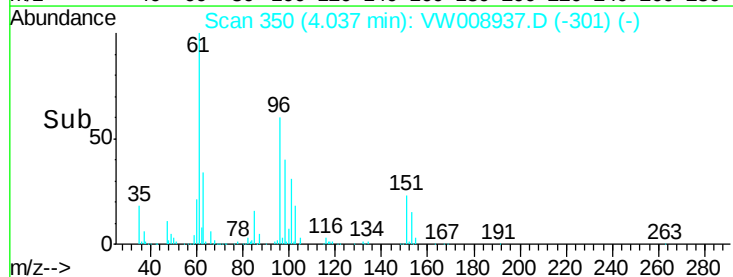
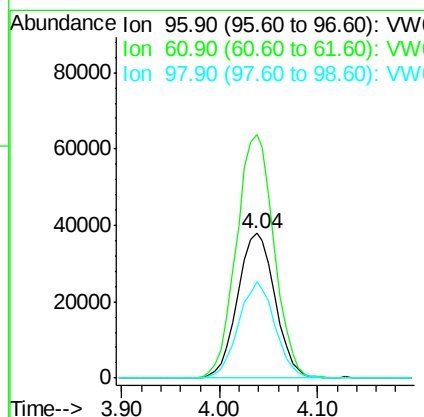
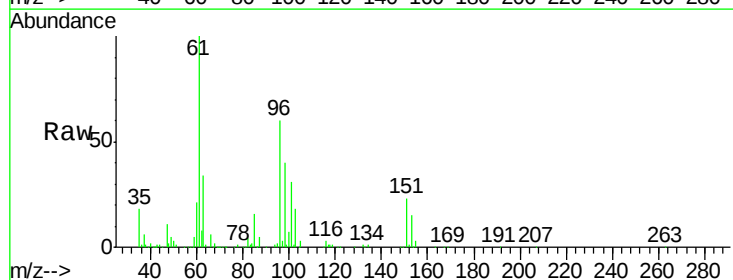
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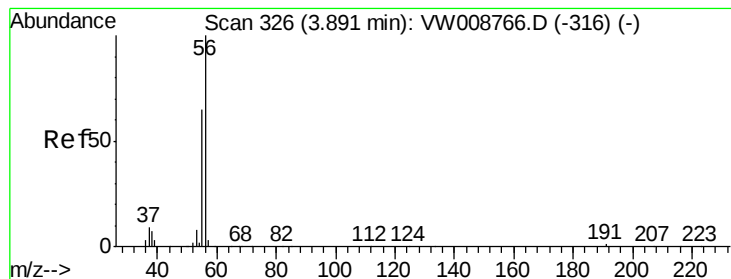


#12

1,1-Dichloroethene
 Concen: 47.609 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	132.5	198.7
98	66.5	48.2	72.4





#13

Acrolein

Concen: 257.588 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 54830

Ion Ratio Lower Upper

56 100

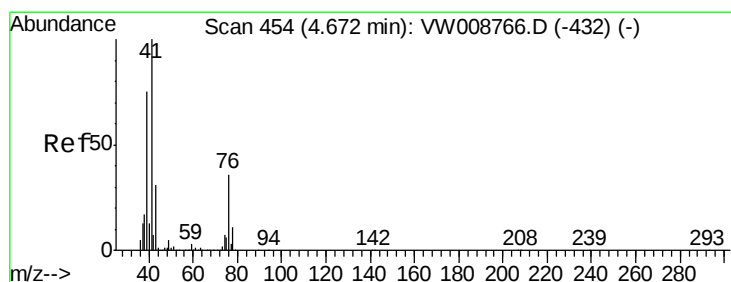
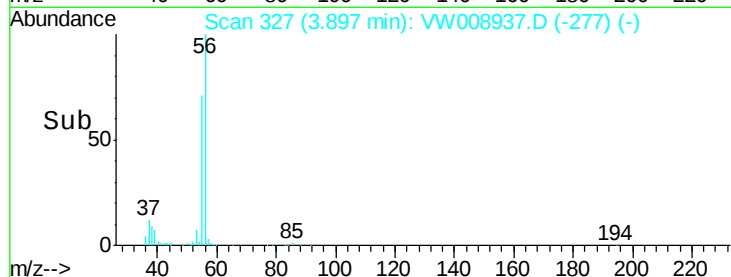
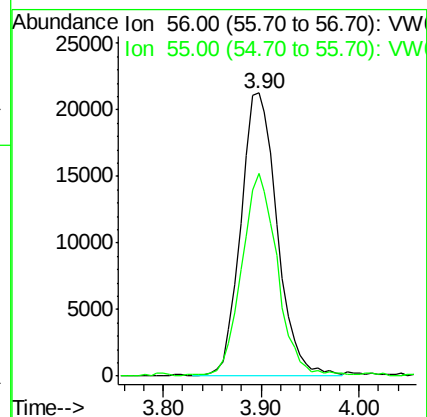
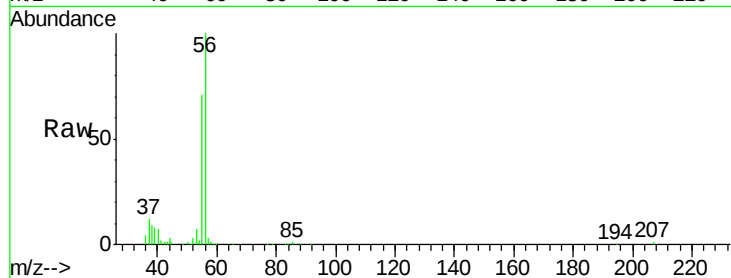
55 70.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 51.183 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

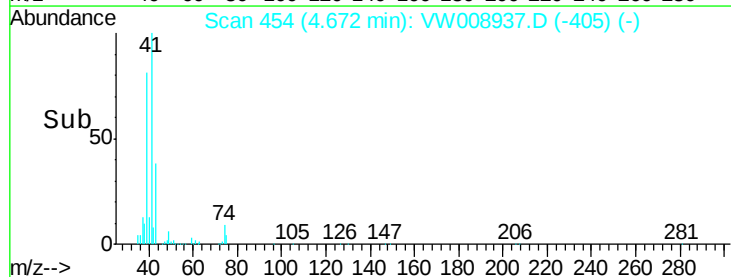
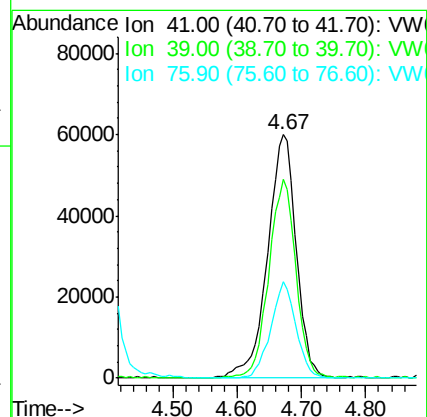
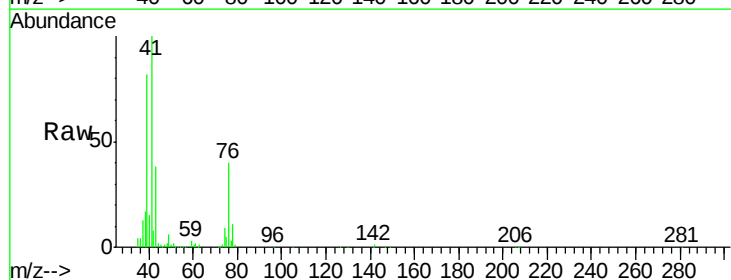
Tgt Ion: 41 Resp: 186458

Ion Ratio Lower Upper

41 100

39 77.1 60.6 91.0

76 35.0 28.6 42.8





#15

Acrylonitrile

Concen: 276.852 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

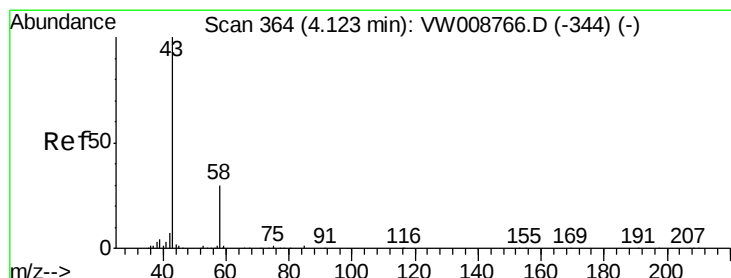
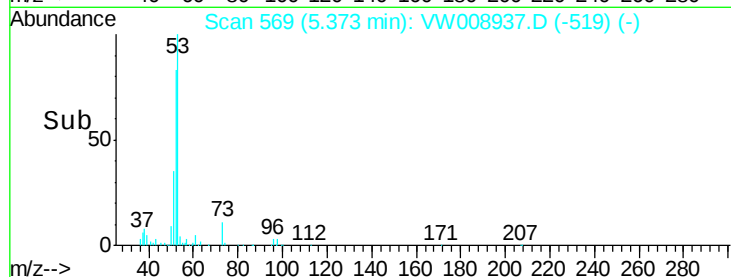
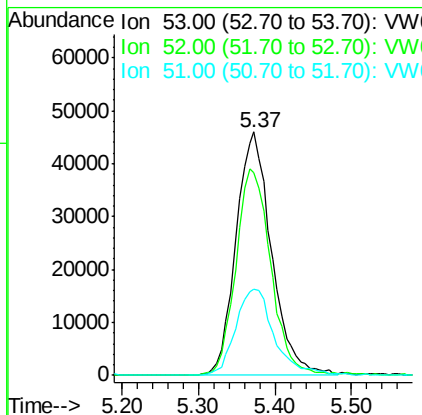
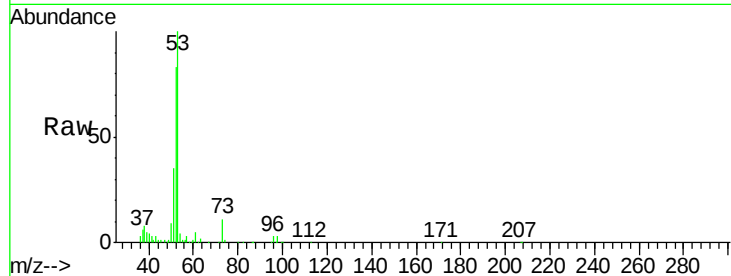
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	148048
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.2	100.8
51	38.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 244.137 ug/l

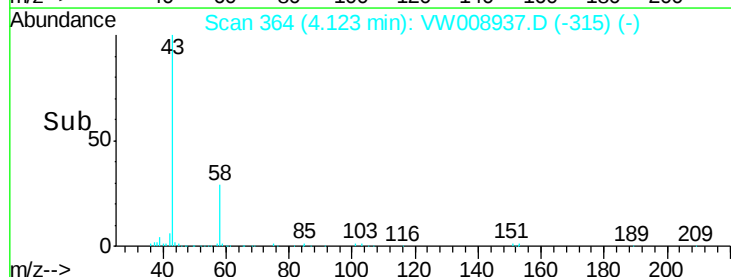
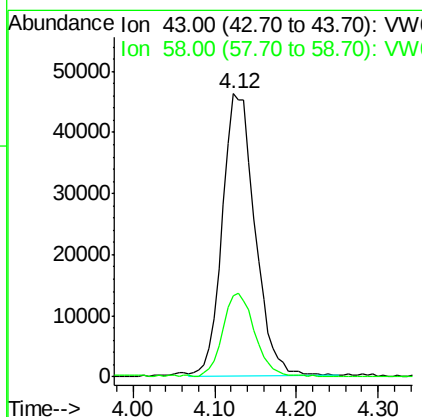
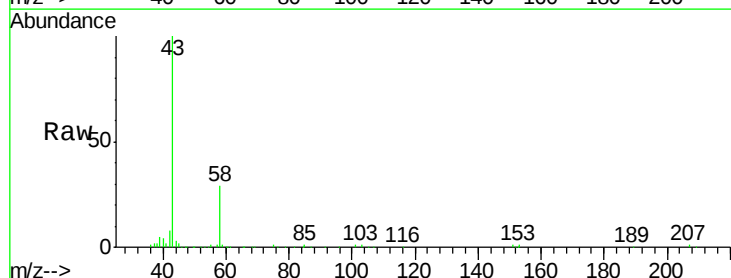
RT: 4.12 min Scan# 364

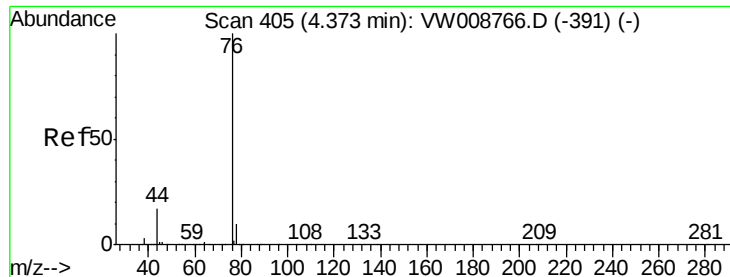
Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	43	Resp:	127951
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.6





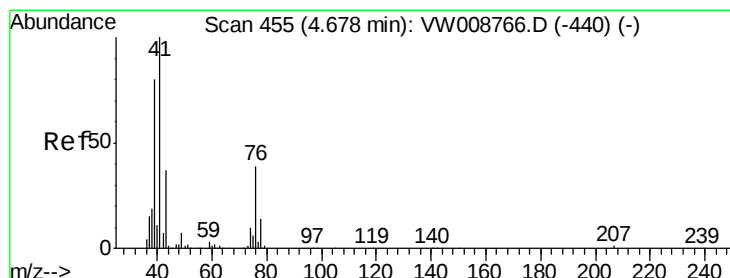
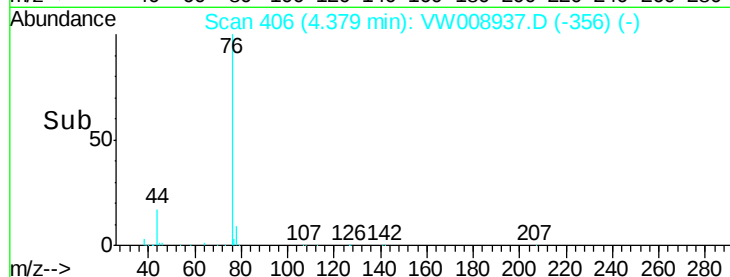
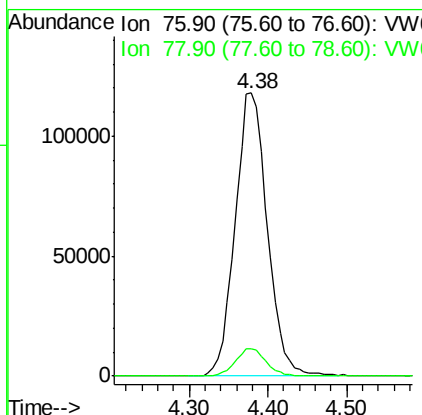
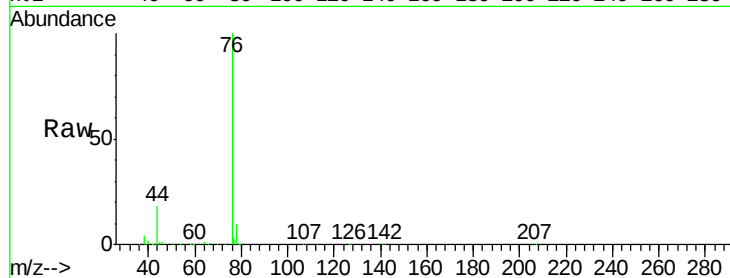
#17
Carbon Disulfide
Concen: 47.833 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.8	11.8

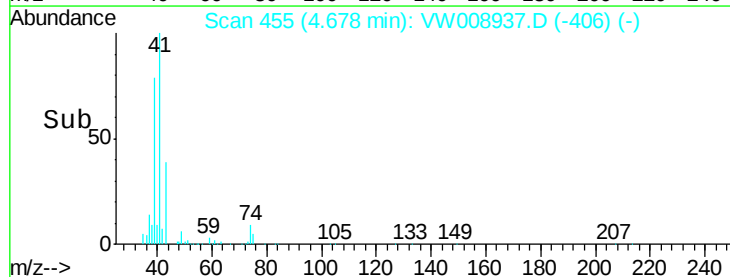
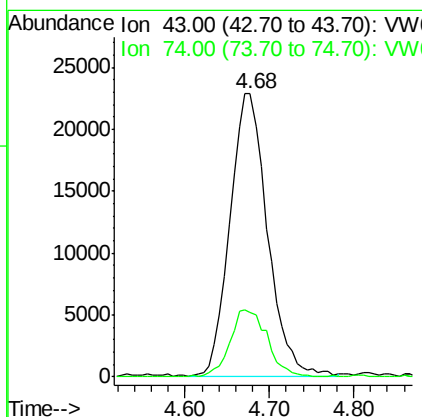
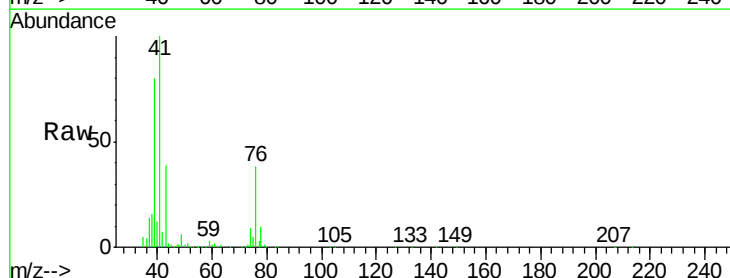
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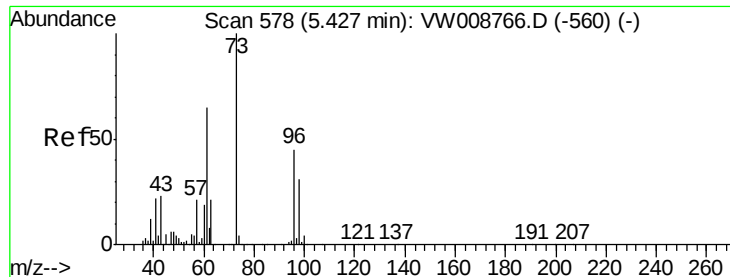
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#18
Methyl Acetate
Concen: 55.082 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





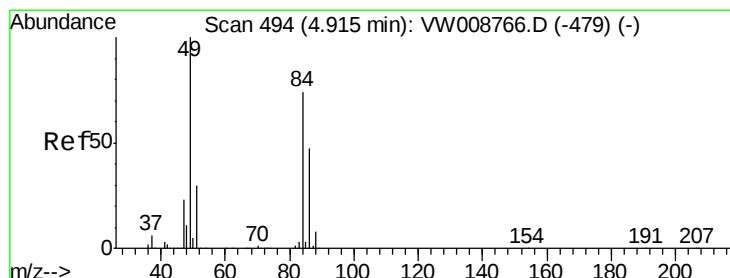
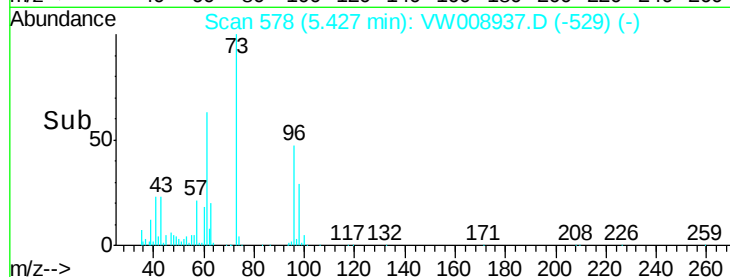
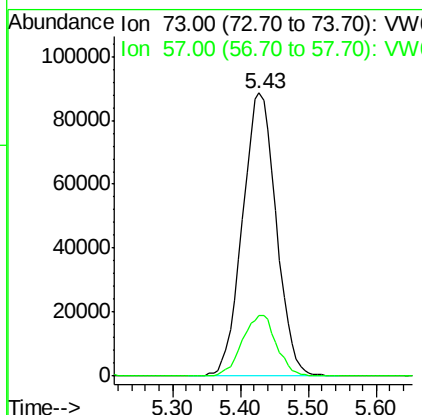
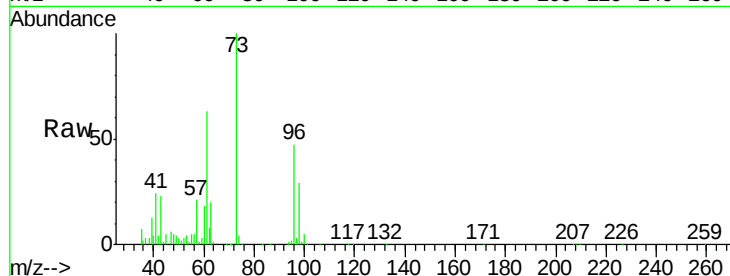
#19
Methvl tert-butvl Ether
Concen: 53.474 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.8	25.2

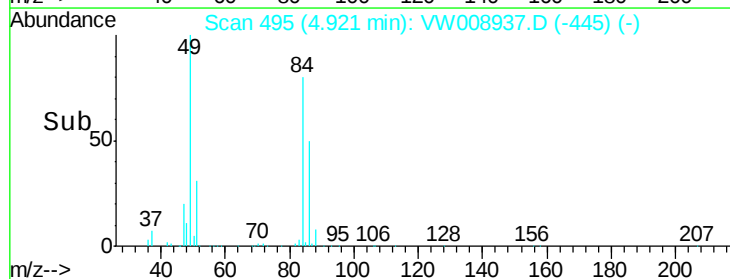
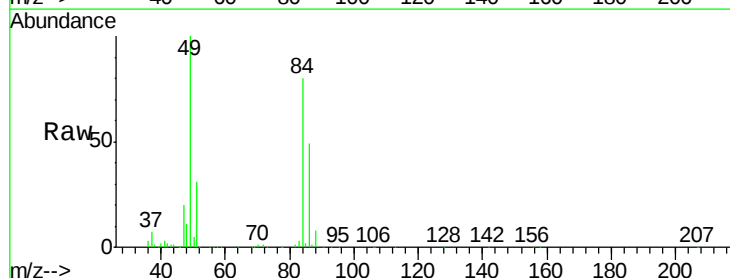
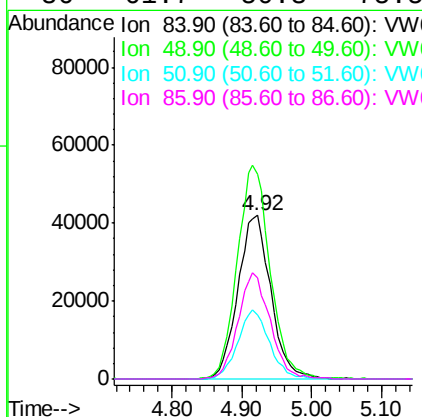
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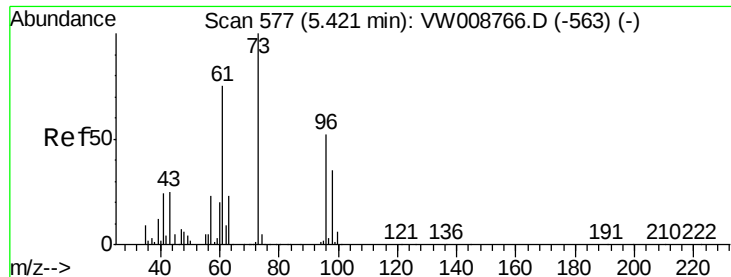
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#20
Methylene Chloride
Concen: 53.623 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	108.2	162.2
51	39.1	32.7	49.1
86	61.7	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 50.934 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

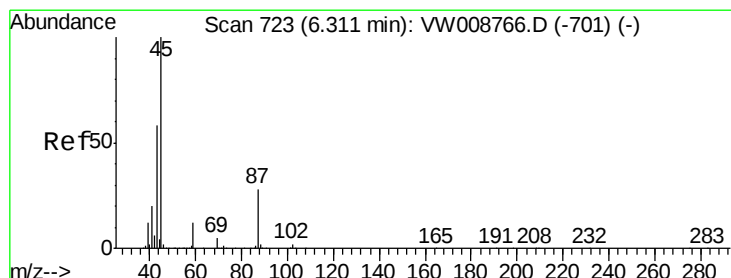
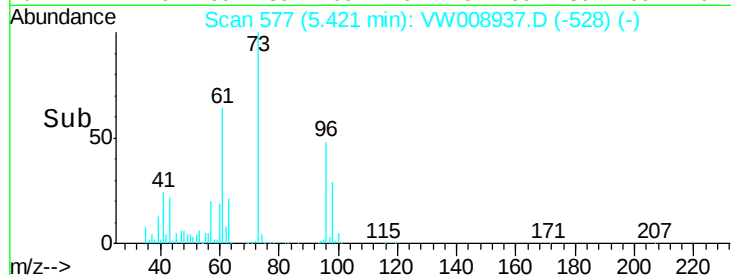
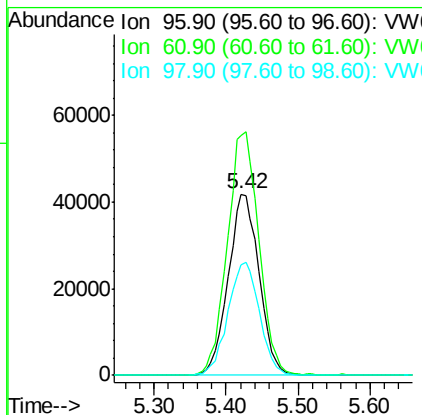
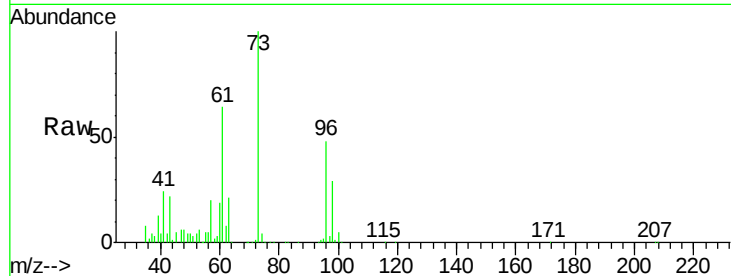
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	124360
Ion	Ratio	Lower	Upper
96	100		
61	132.1	114.6	171.8
98	61.1	54.0	81.0

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#22

Diisopropyl ether

Concen: 53.659 ug/l

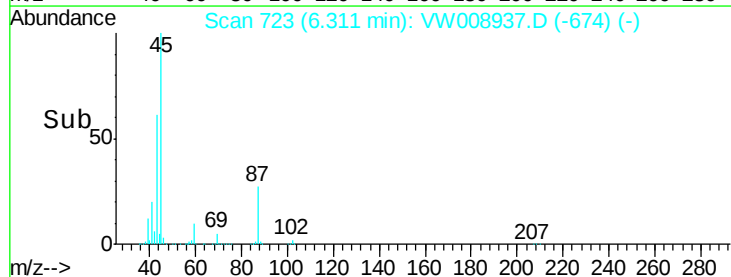
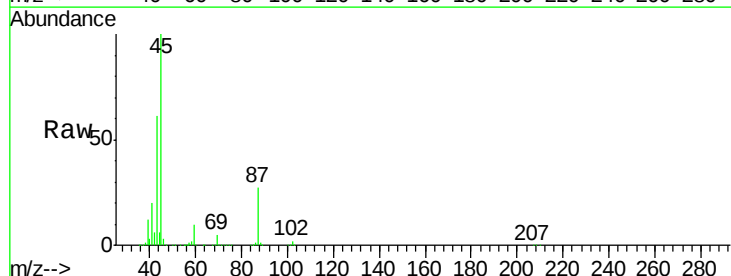
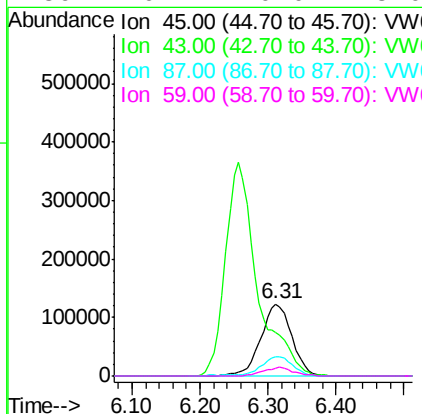
RT: 6.31 min Scan# 723

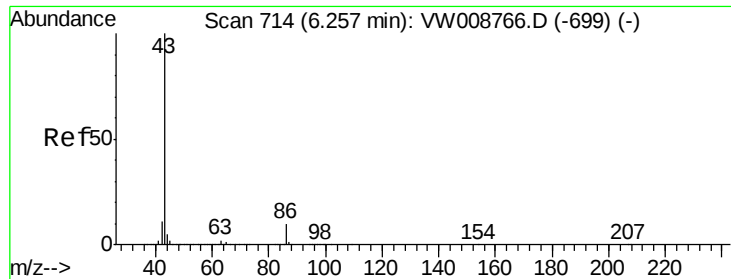
Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	45	Resp:	389950
Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.1	69.1
87	26.8	22.2	33.4
59	10.2	10.0	15.0





#23

Vinyl Acetate

Concen: 265.313 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1191260

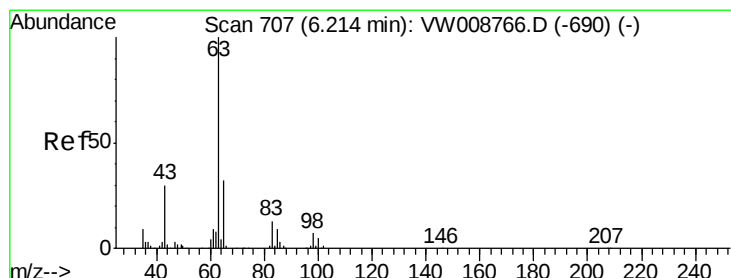
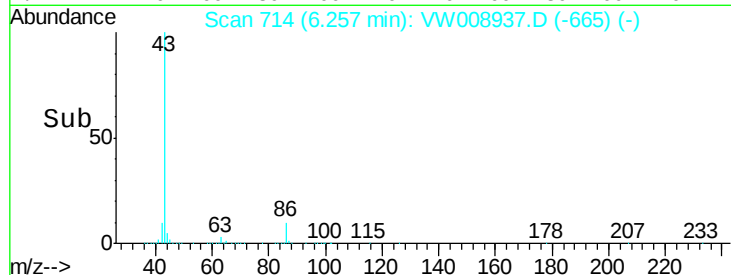
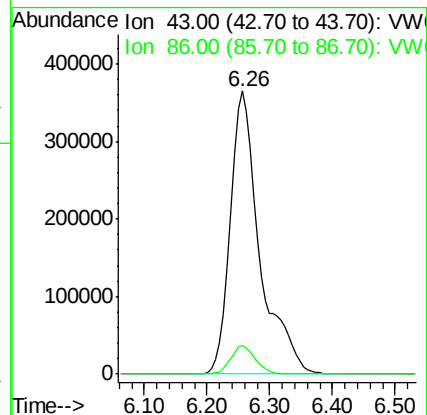
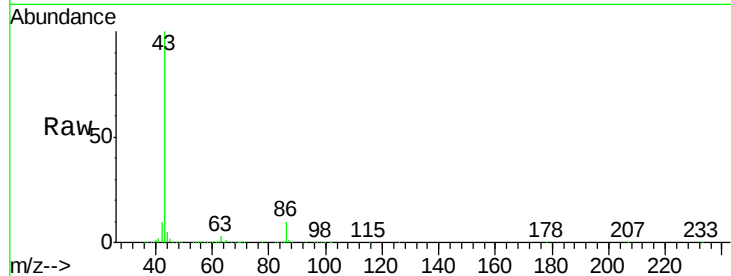
Ion Ratio Lower Upper

43 100

86 10.2 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 52.484 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

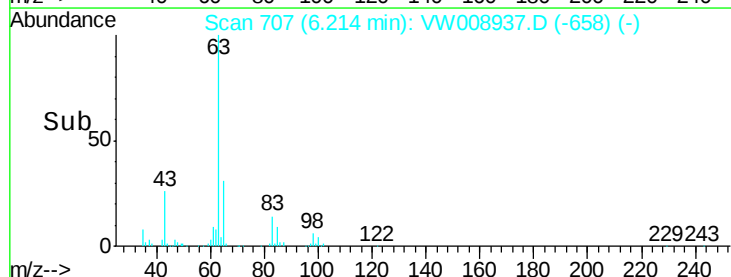
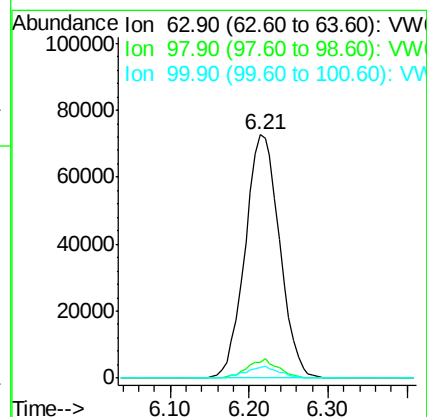
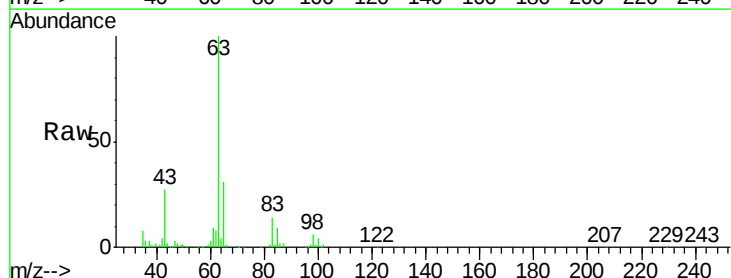
Tgt Ion: 63 Resp: 221017

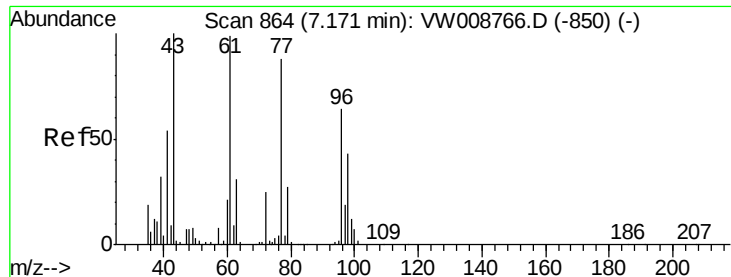
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.6

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 258.253 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 189227

Ion Ratio Lower Upper

43 100

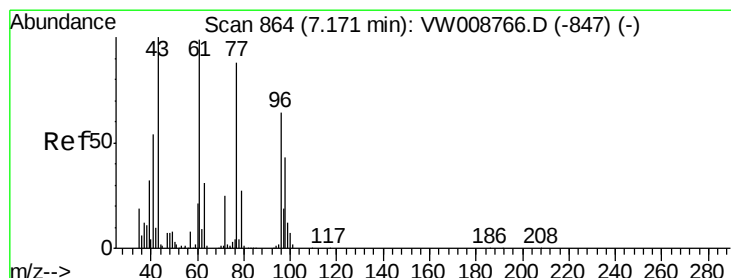
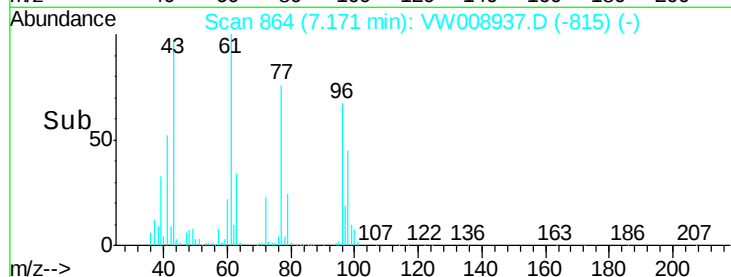
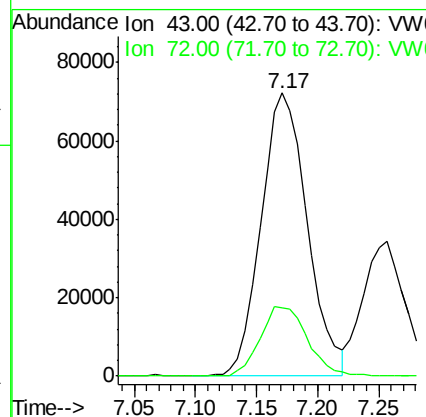
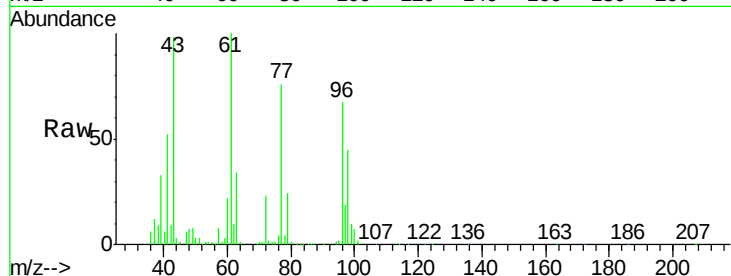
72 24.0 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.571 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008937.D

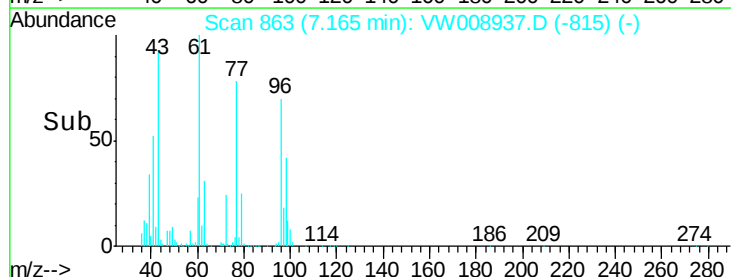
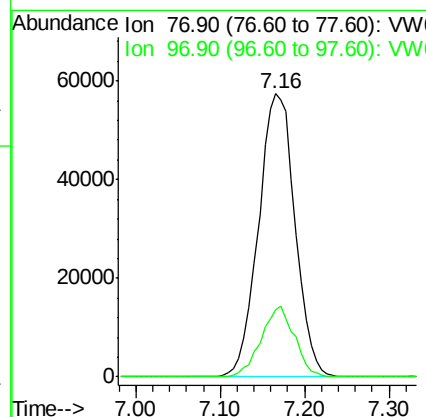
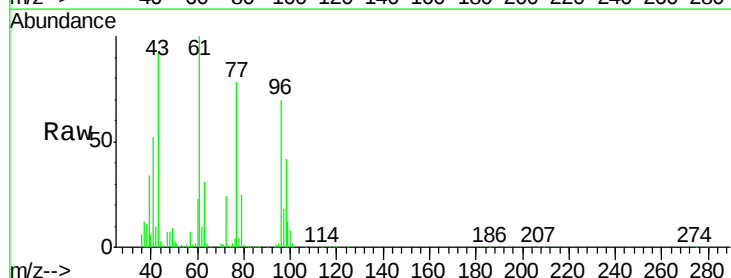
Acq: 01 Mar 2019 22:50

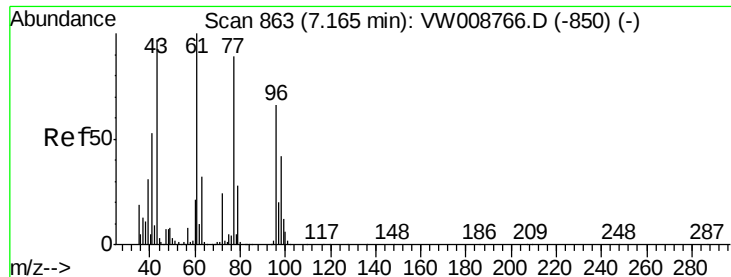
Tgt Ion: 77 Resp: 170402

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

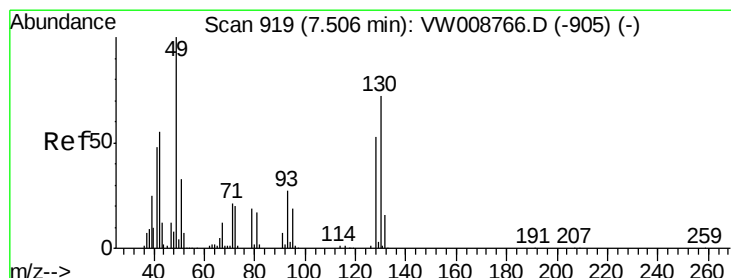
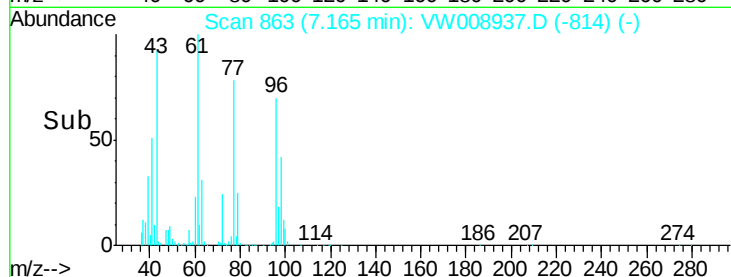
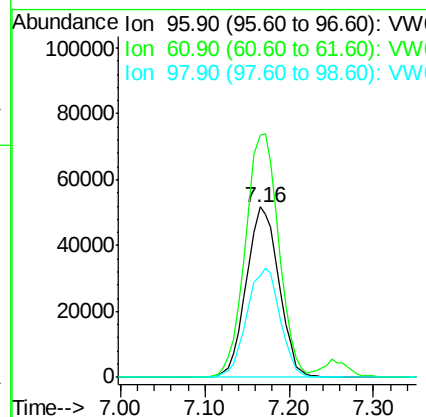
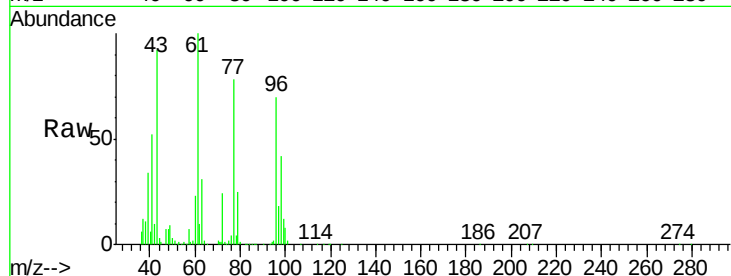
cis-1,2-Dichloroethene
Concen: 51.826 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	302.6
98	65.2	0.0	130.0

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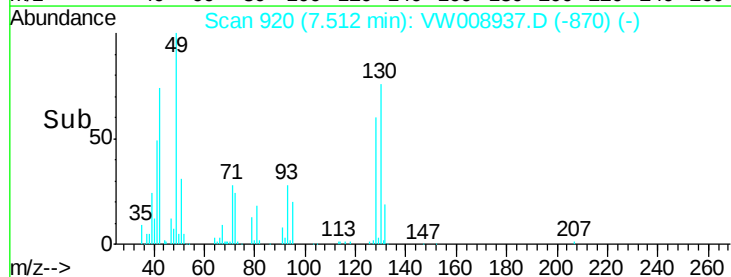
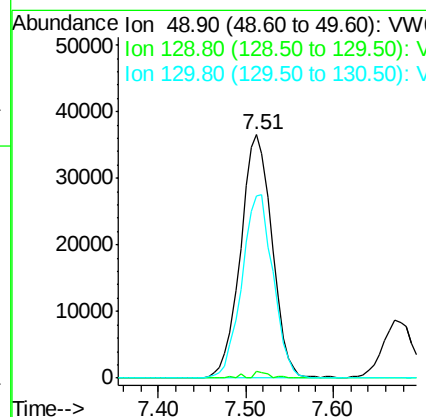
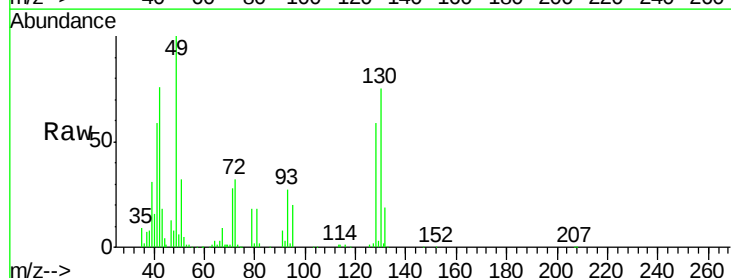
MMDadoda
3/5/2019 4:05:18 AM

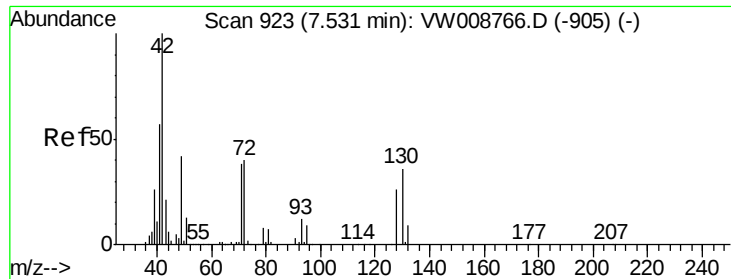


#28

Bromochloromethane
Concen: 52.093 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.6
130	74.6	61.3	91.9





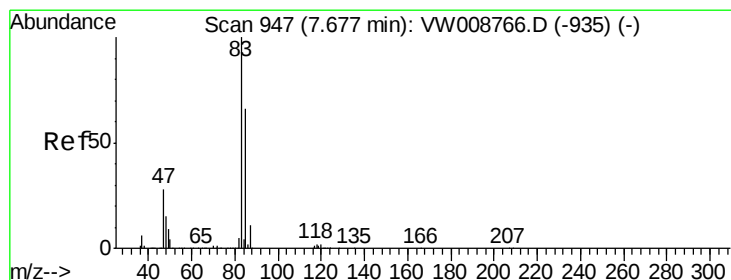
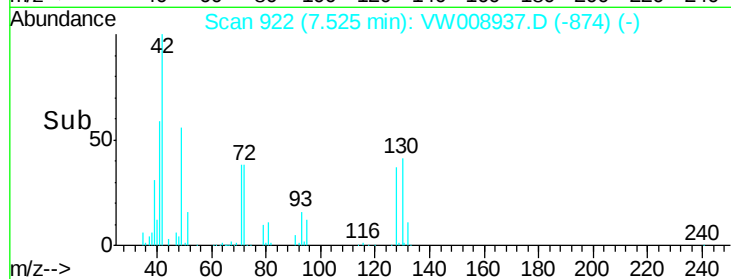
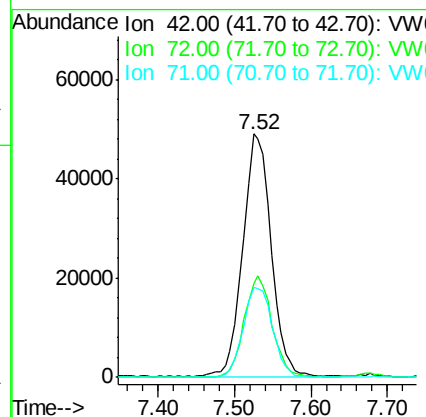
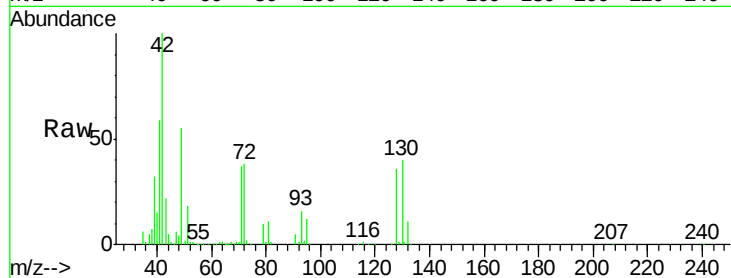
#29
Tetrahydrofuran
Concen: 270.009 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.7	49.1
71	38.5	31.3	46.9

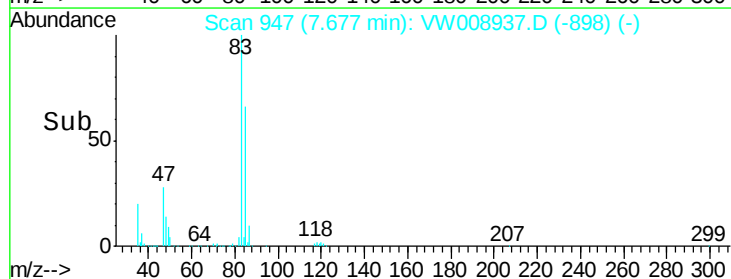
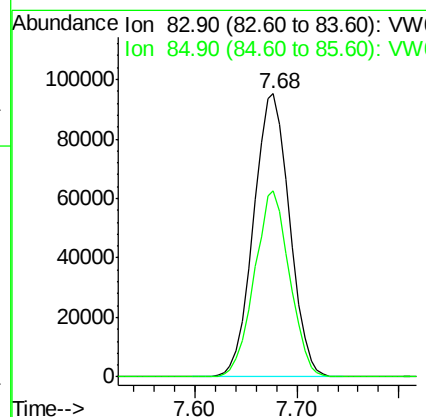
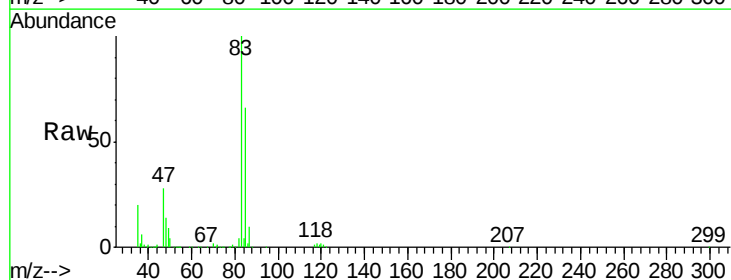
Manual Integrations
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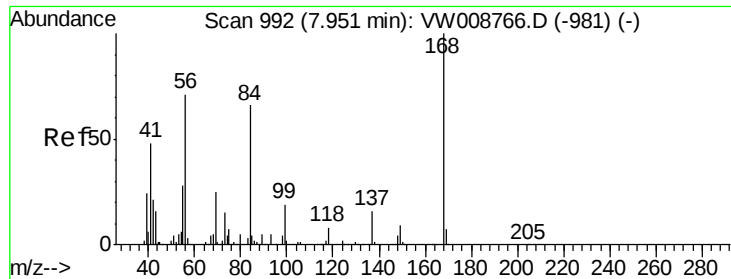
MMDadoda
3/5/2019 4:05:18 AM



#30
Chloroform
Concen: 54.090 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	79.0





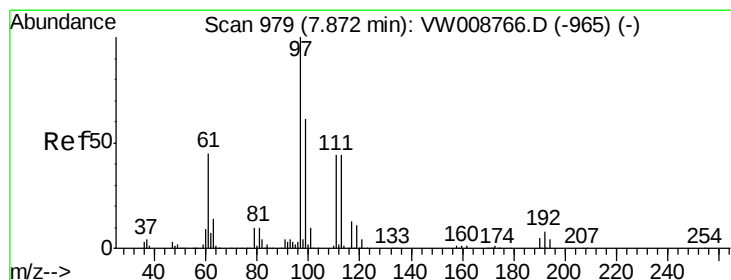
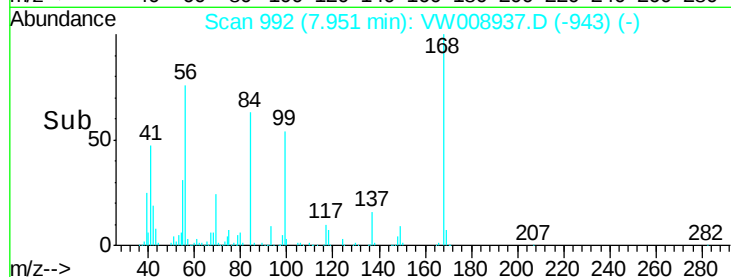
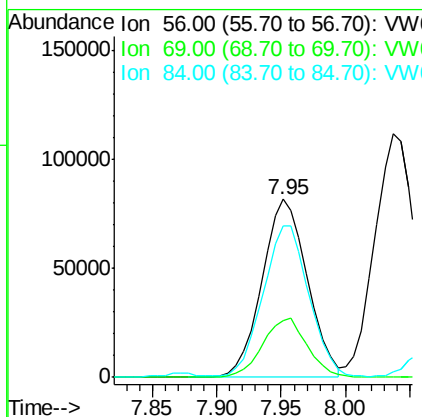
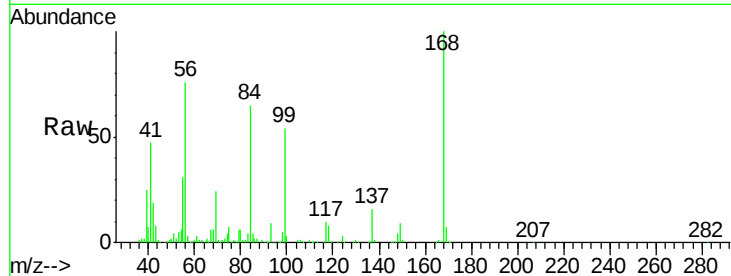
#31
Cvclohexane
Concen: 46.655 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	28.2	42.4
84	83.2	74.1	111.1

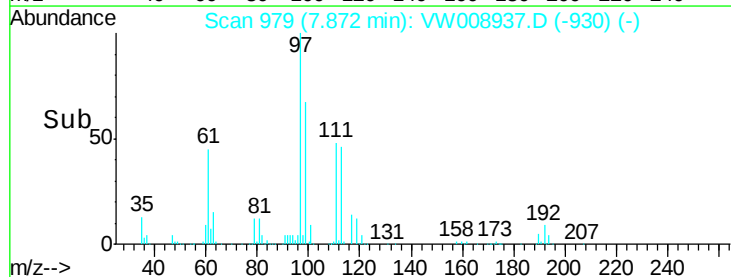
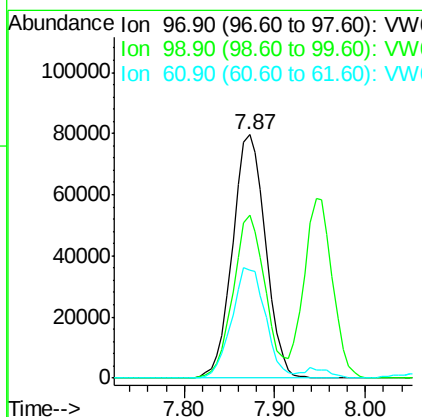
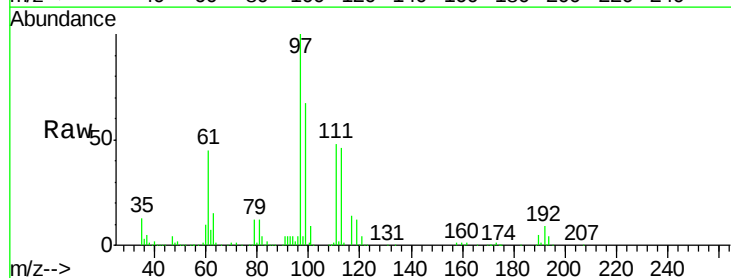
Manual Integrations
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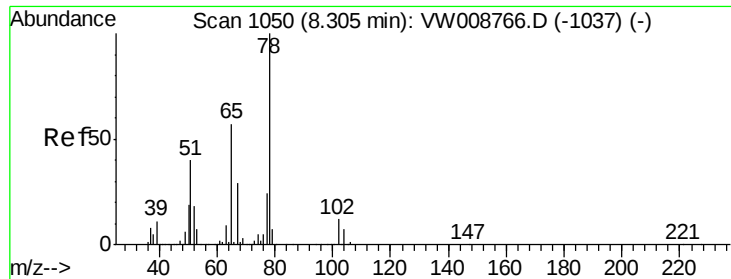
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.029 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.8	76.2
61	46.7	36.0	54.0





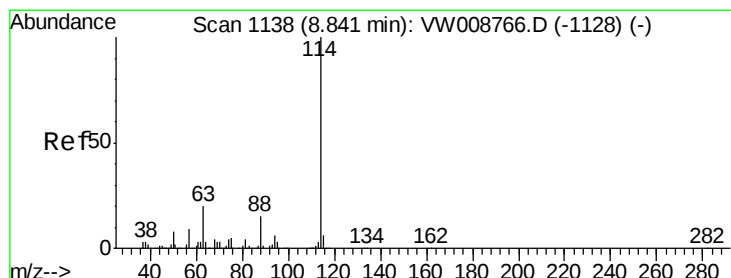
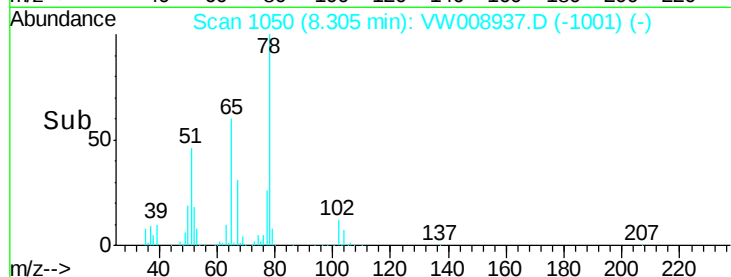
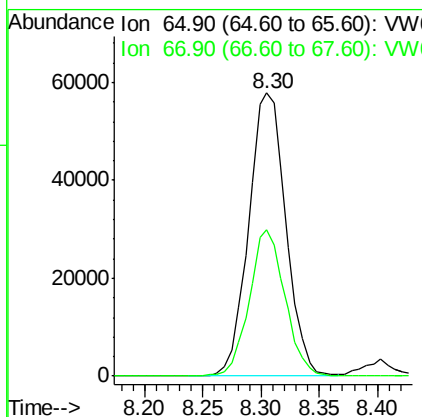
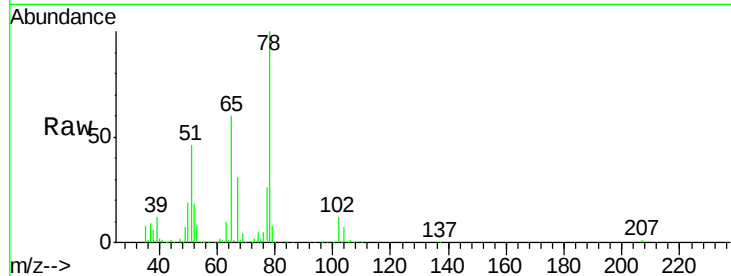
#33
 1,2-Dichloroethane-d4
 Concen: 56.937 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128738		
67	49.6	0.0	101.4	

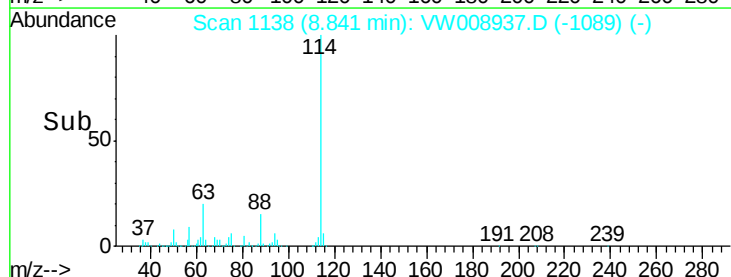
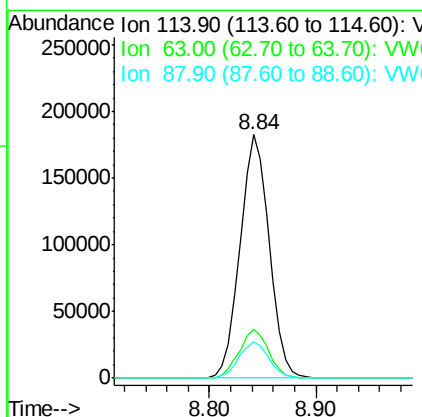
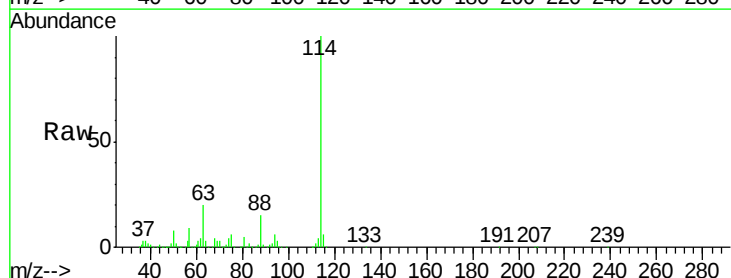
Manual Integrations
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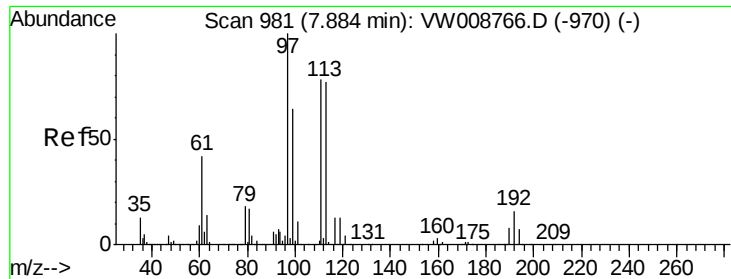
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 3/5/2019 4:05:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351163		
63	19.9	0.0	40.8	
88	15.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 54.858 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

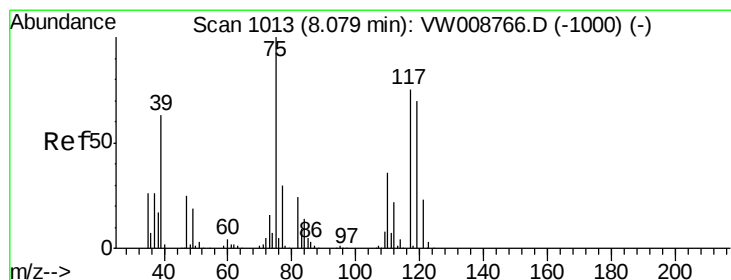
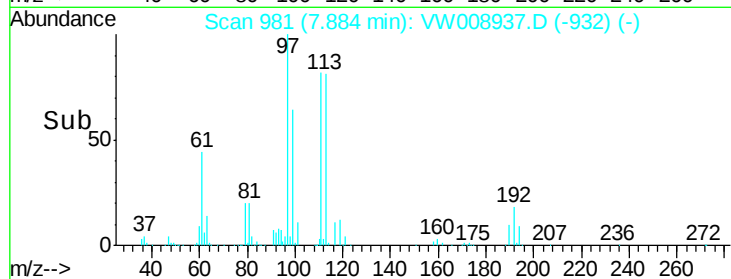
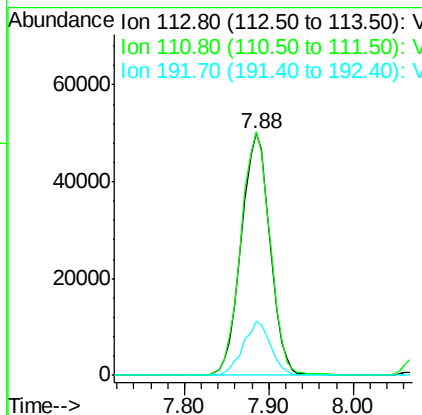
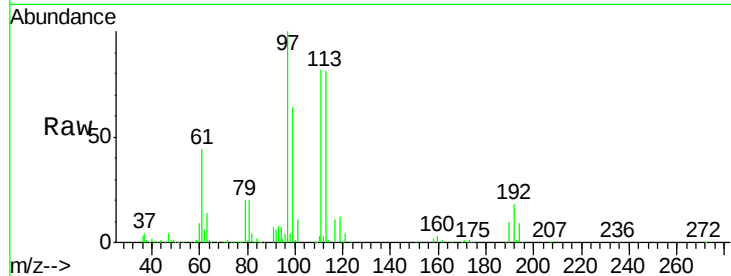
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	115663
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.9	122.9
192	21.4	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.636 ug/l

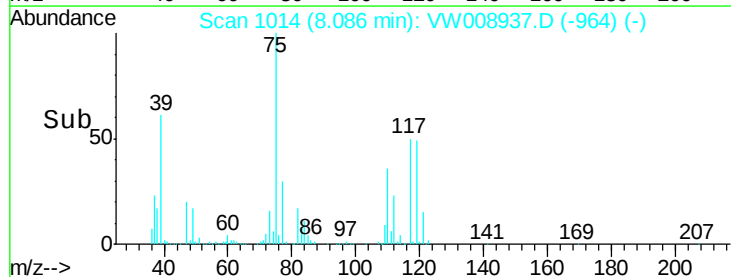
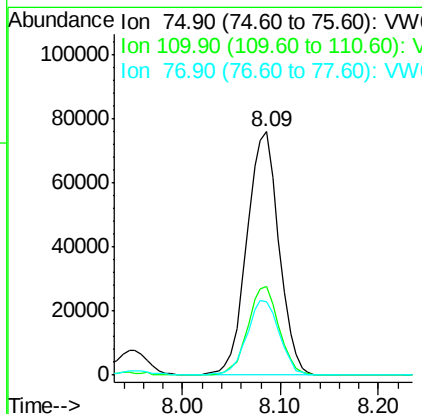
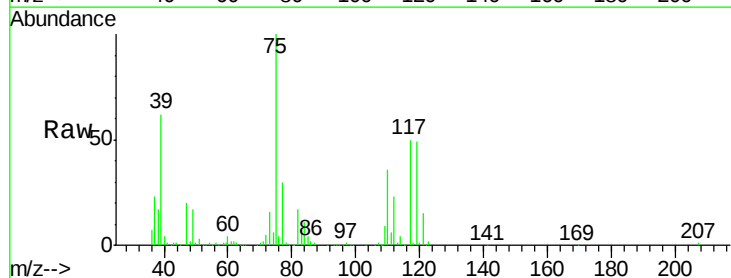
RT: 8.09 min Scan# 1014

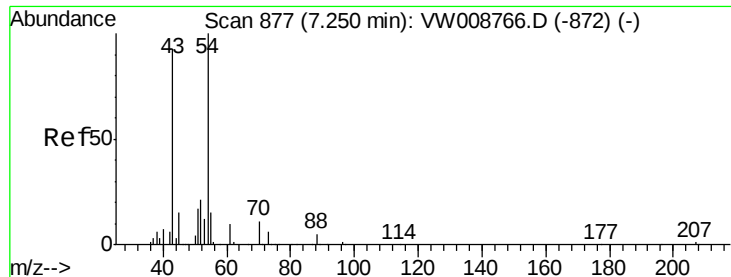
Delta R.T. 0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	75	Resp:	173093
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.5	52.6
77	31.3	24.5	36.7





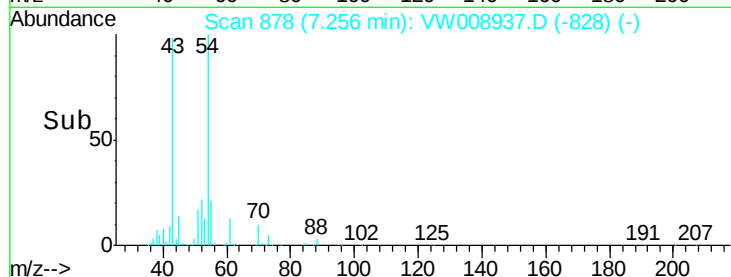
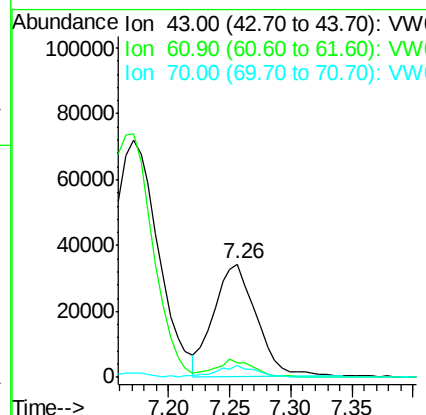
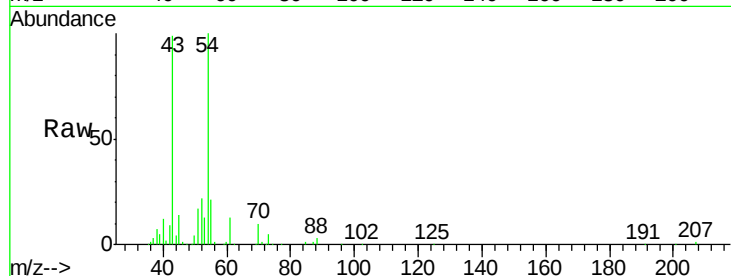
#37
Ethyl Acetate
Concen: 51.736 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.8
70	10.4	8.4	12.6

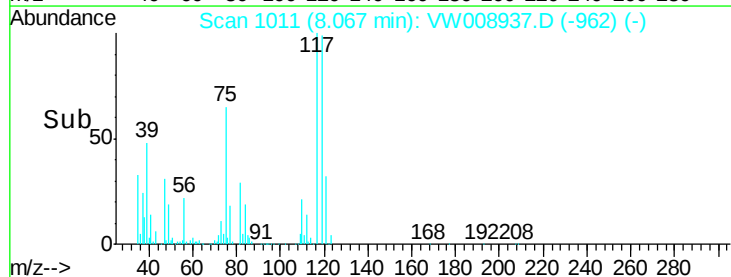
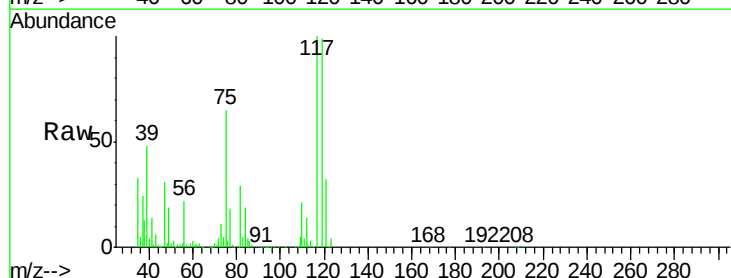
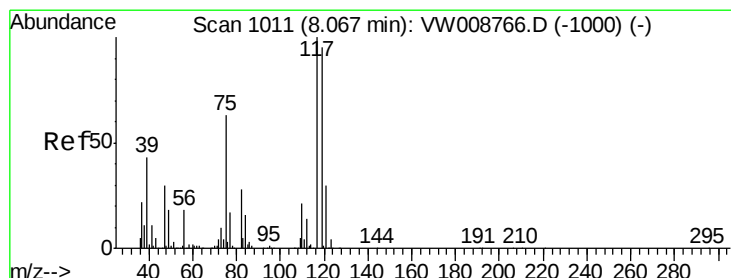
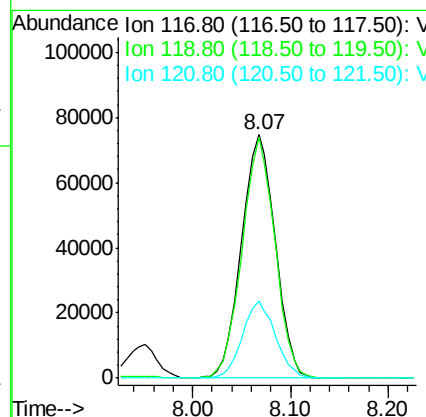
Manual Integrations
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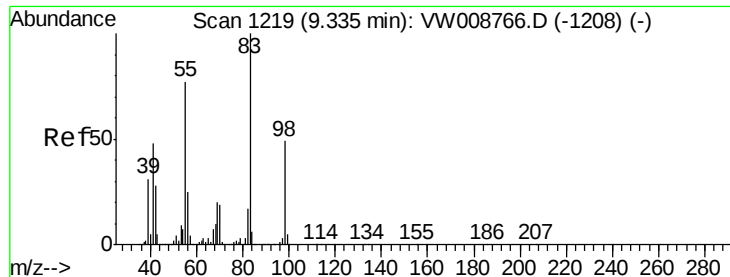
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#38
Carbon Tetrachloride
Concen: 49.705 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.1	114.1
121	31.8	24.0	36.0





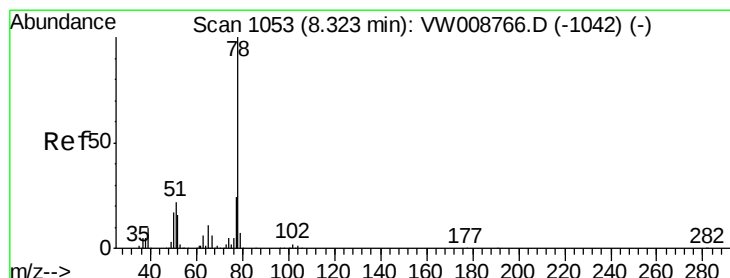
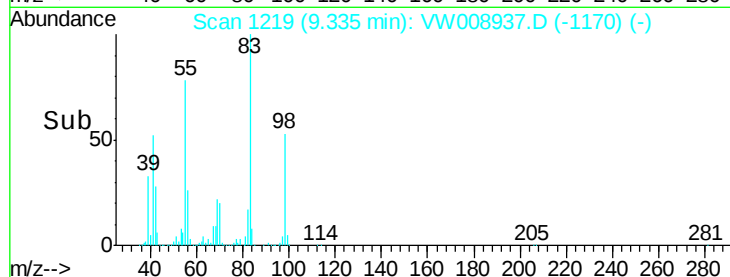
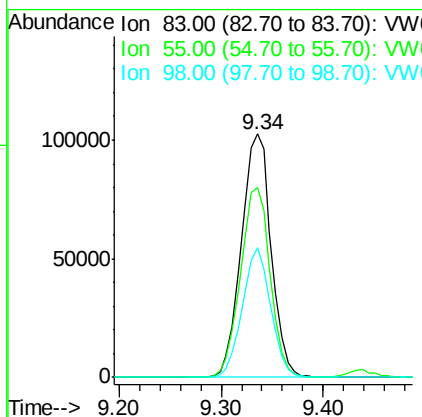
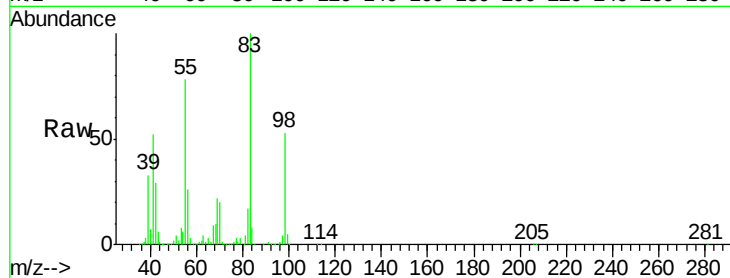
#39
Methvlcvclohexane
Concen: 48.858 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.2	91.8
98	53.0	39.4	59.2

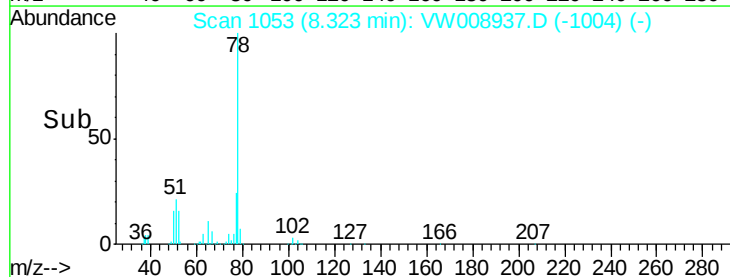
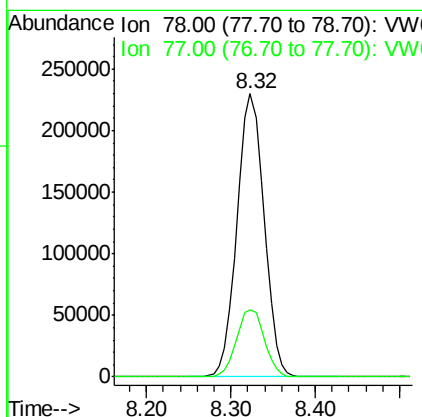
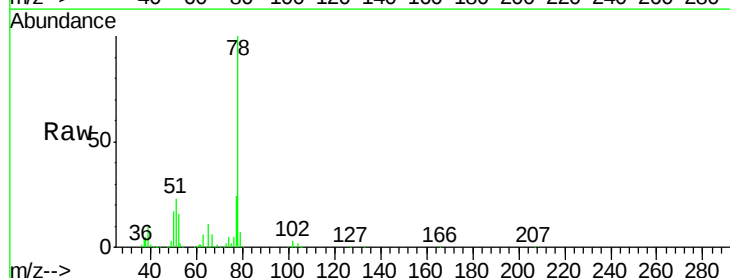
Manual Integrations
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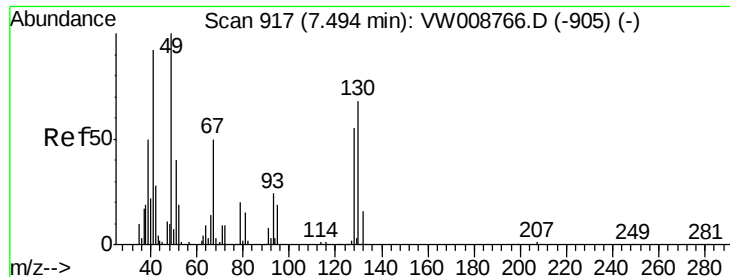
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#40
Benzene
Concen: 53.381 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





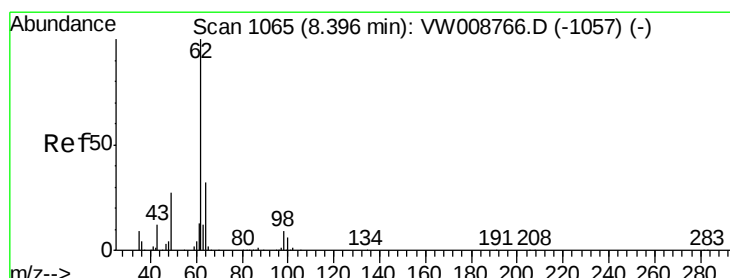
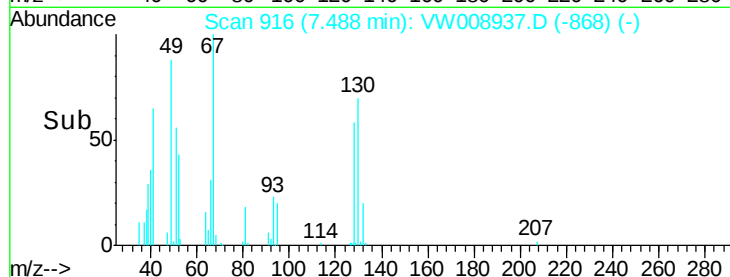
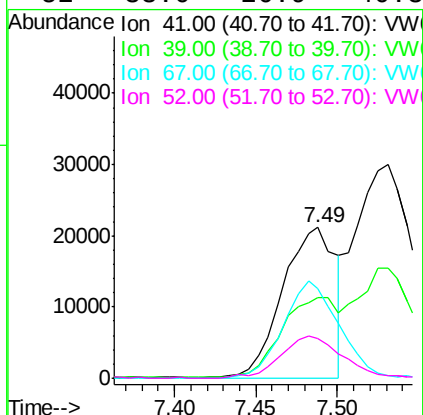
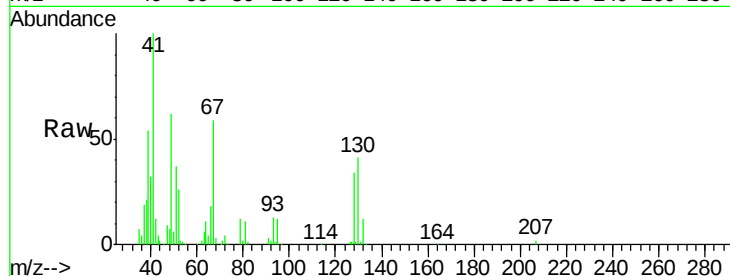
#41
Methacrylonitrile
Concen: 51.207 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	47847
Ion	Ratio	Lower	Upper
41	100		
39	55.0	52.5	78.7
67	67.9	55.0	82.6
52	33.0	26.9	40.3

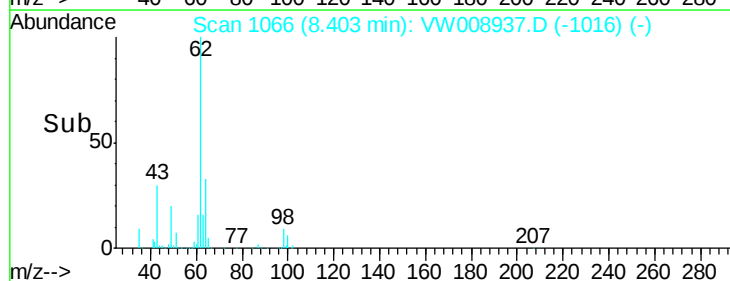
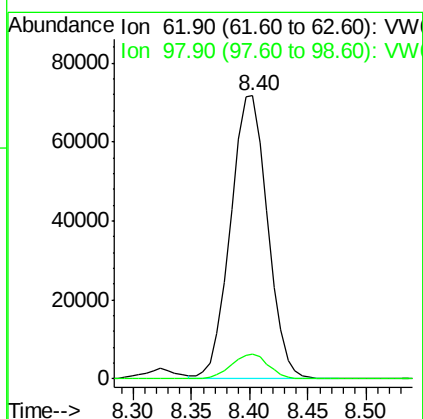
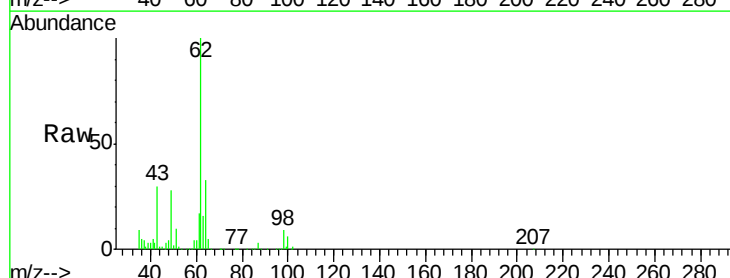
Manual Integrations
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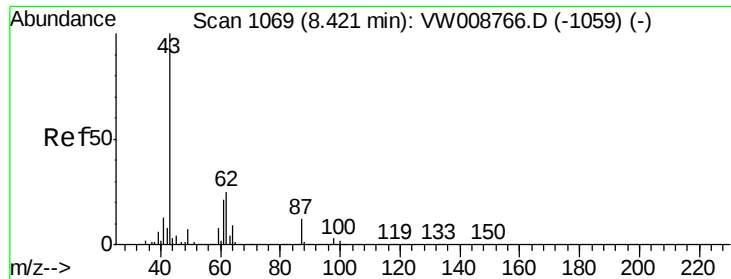
MMDadoda
3/5/2019 4:05:18 AM



#42
1,2-Dichloroethane
Concen: 53.767 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion:	62	Resp:	158963
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 52.952 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

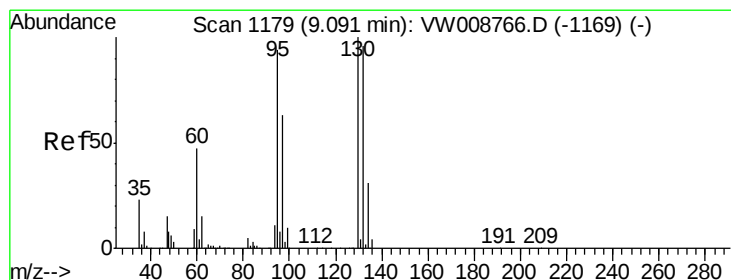
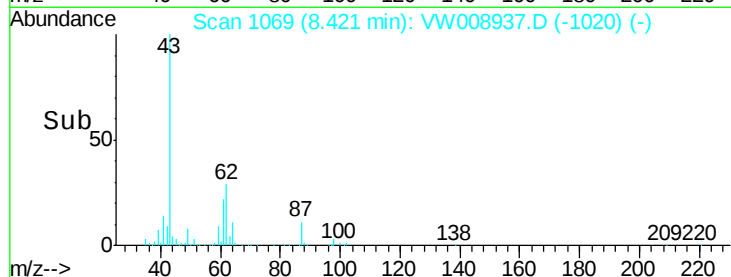
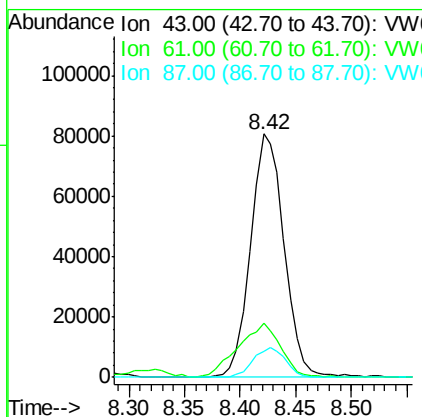
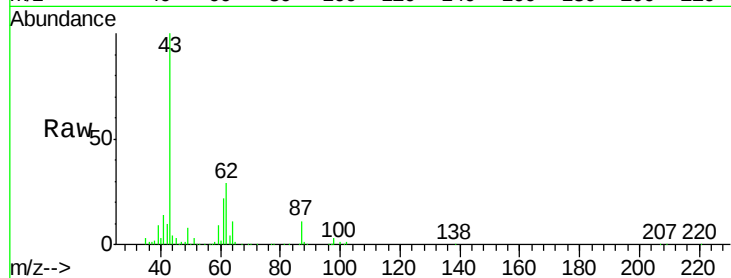
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	167993
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.2	34.8
87	12.0	9.9	14.9

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#44

Trichloroethene

Concen: 51.633 ug/l

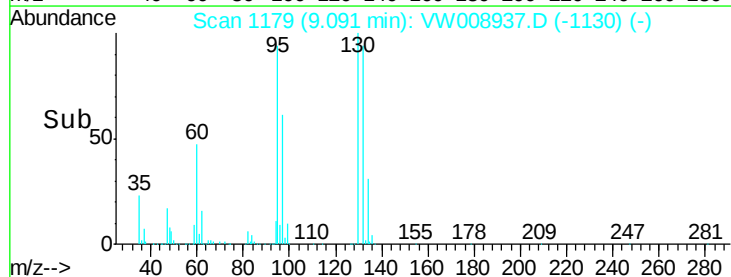
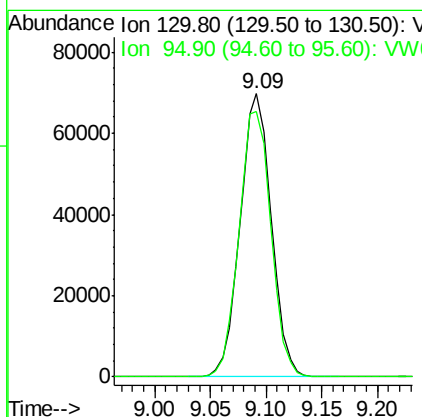
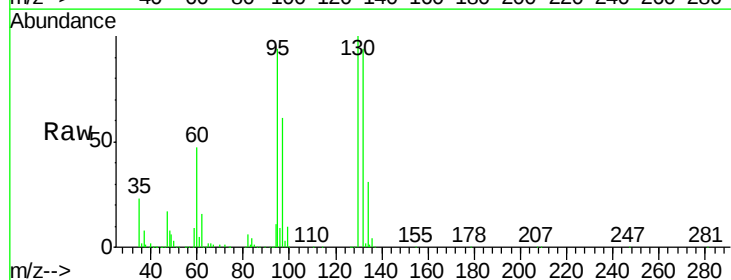
RT: 9.09 min Scan# 1179

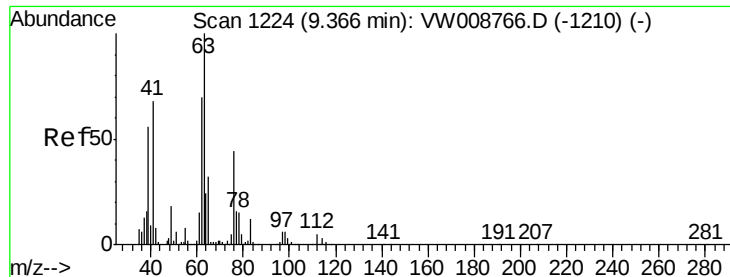
Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	130	Resp:	135755
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	188.6





#45

1,2-Dichloropropane

Concen: 54.385 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 125432

Ion Ratio Lower Upper

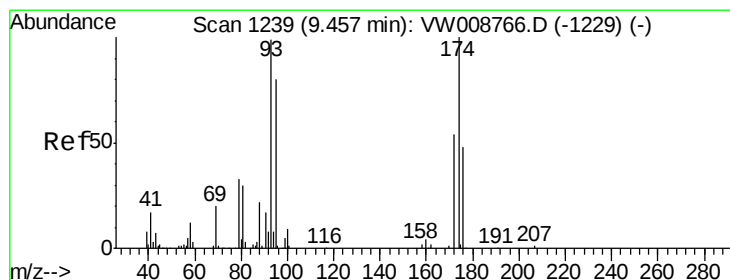
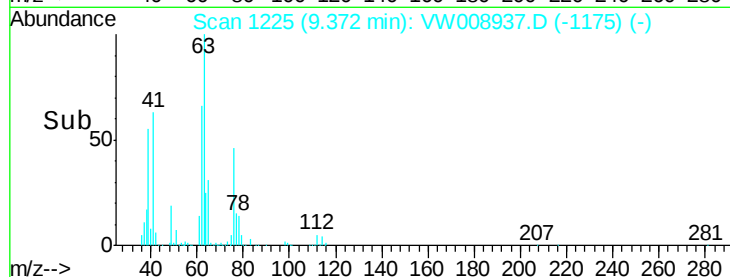
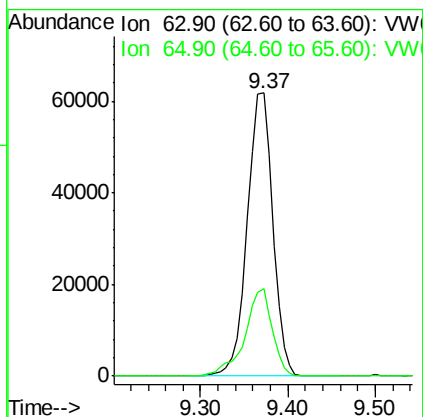
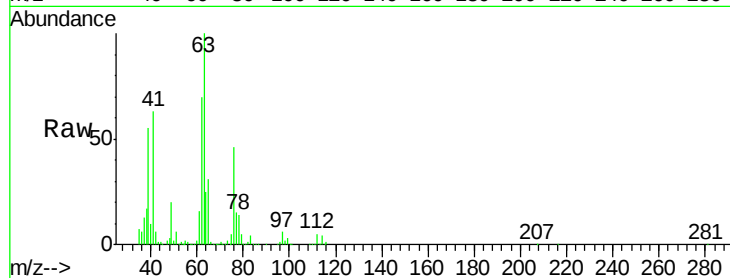
63 100

65 31.0 25.5 38.3

Manual Integrations
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#46

Dibromomethane

Concen: 54.253 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

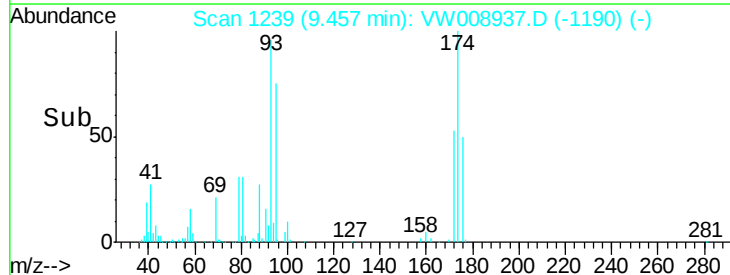
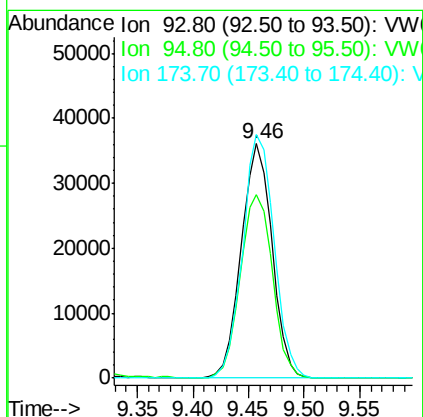
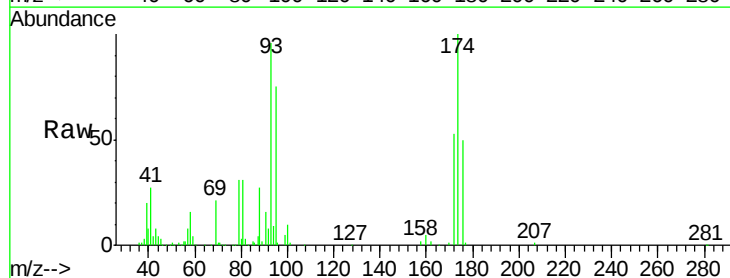
Tgt Ion: 93 Resp: 69600

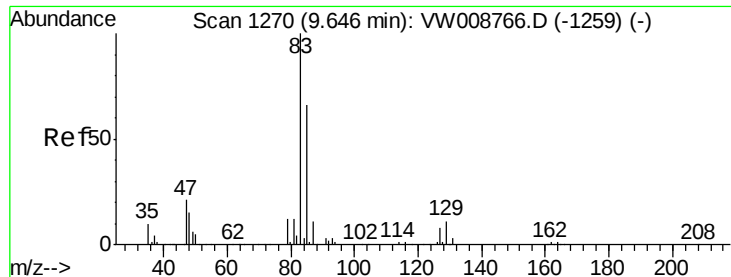
Ion Ratio Lower Upper

93 100

95 81.6 67.7 101.5

174 106.4 86.7 130.1





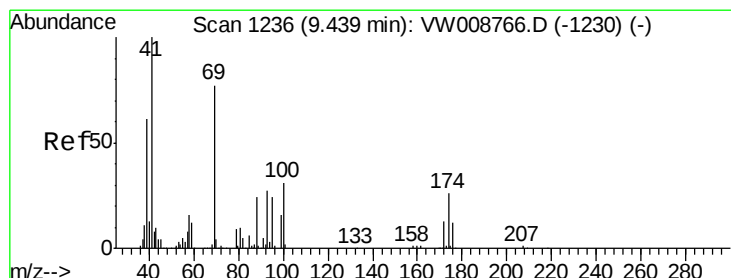
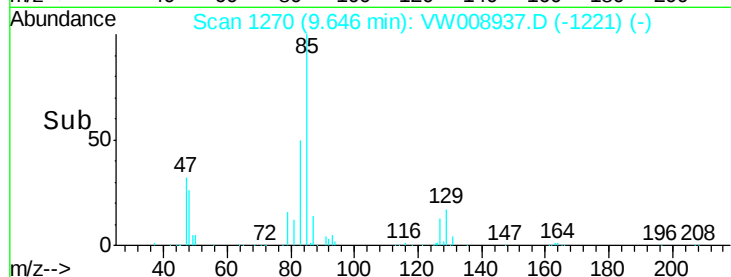
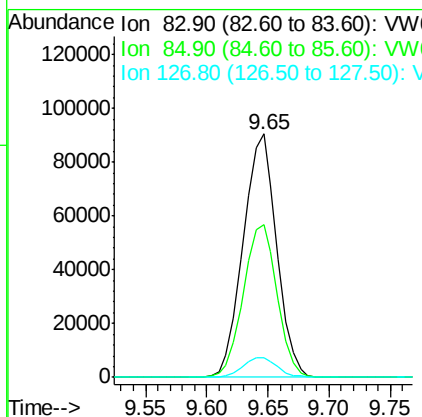
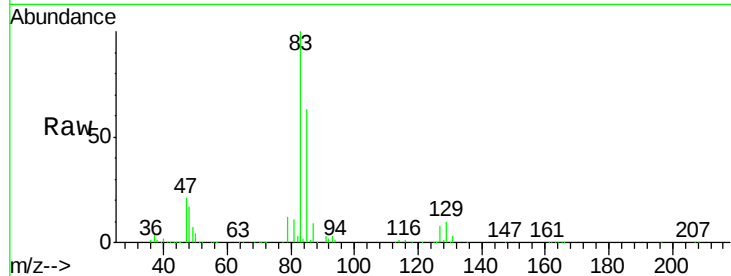
#47
Bromodichloromethane
Concen: 55.193 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7
127	8.2	6.7	10.1

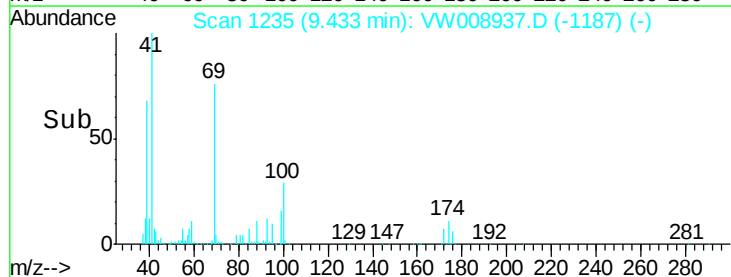
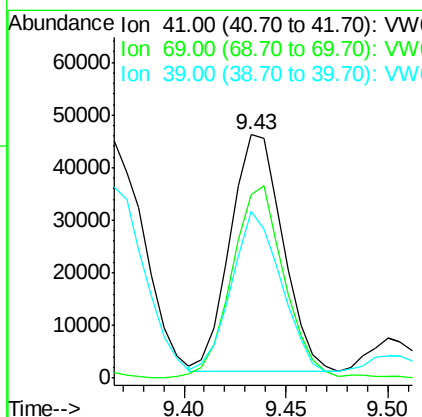
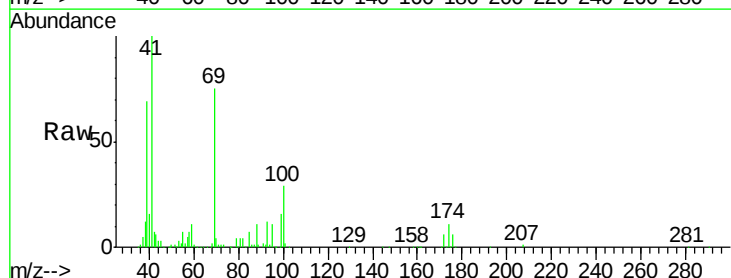
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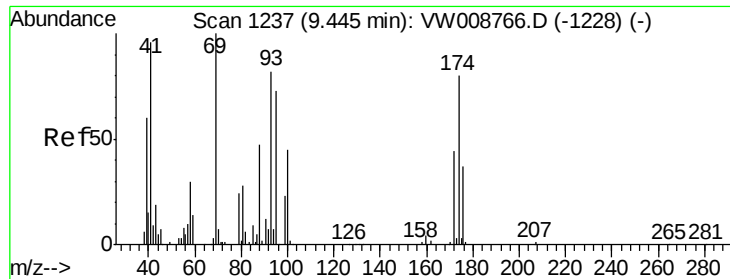
MMDadoda
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#48
Methyl methacrylate
Concen: 52.849 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.2	63.6	95.4
39	63.8	52.1	78.1





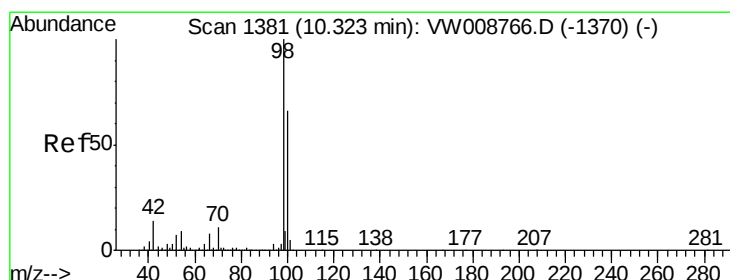
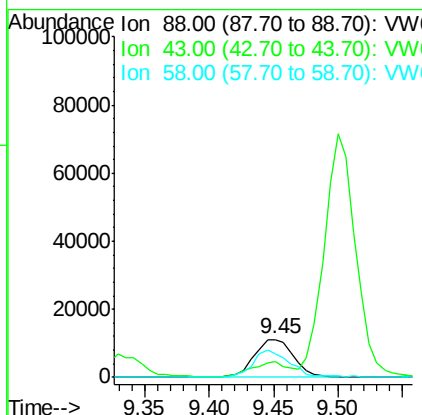
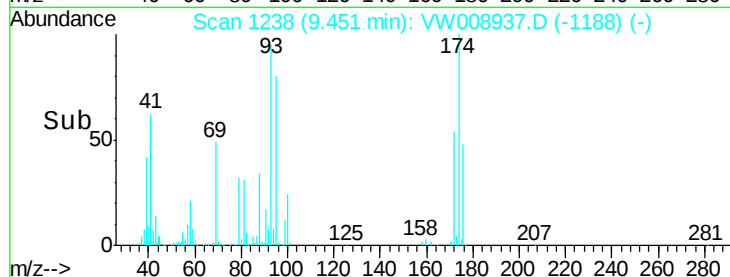
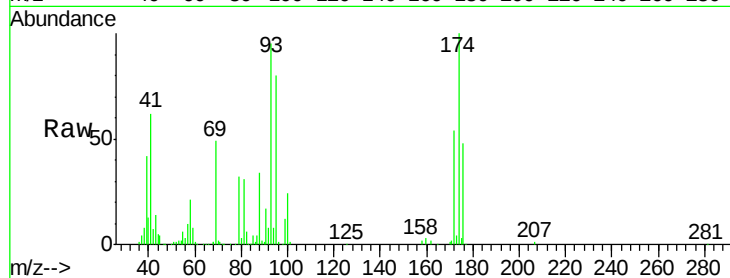
#49
1,4-Dioxane
Concen: 1145.482 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.0	43.4
58	70.9	52.0	78.0

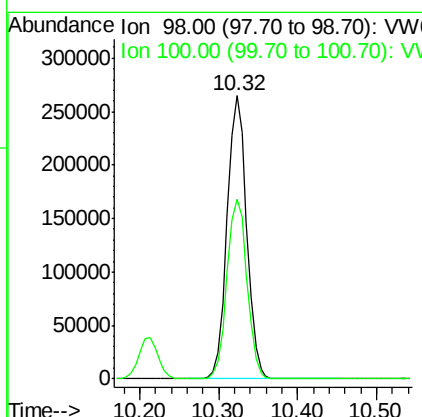
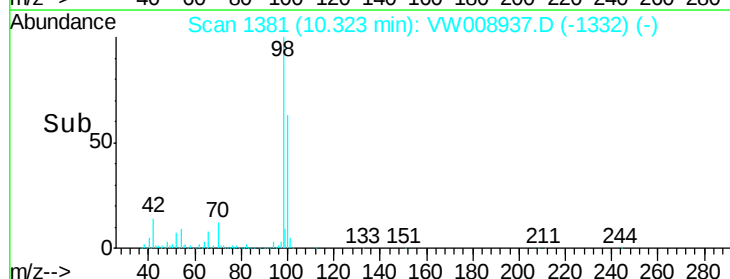
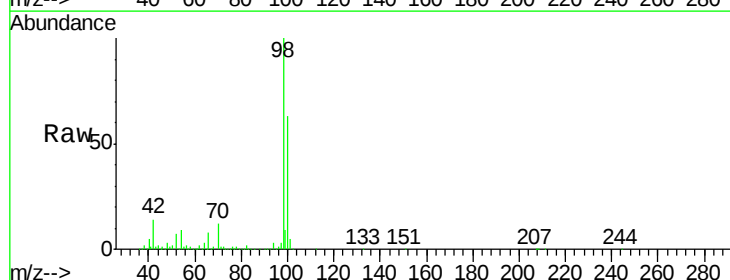
Manual Integrations
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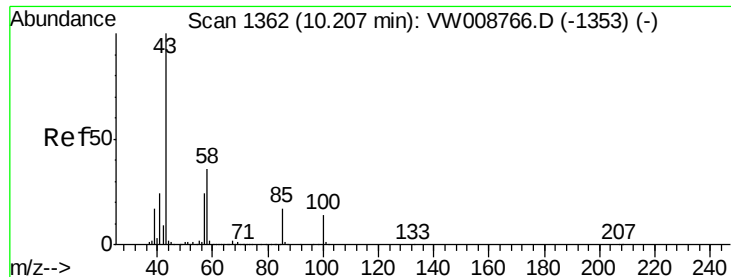
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#50
Toluene-d8
Concen: 55.947 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 275.719 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 444101

Ion Ratio Lower Upper

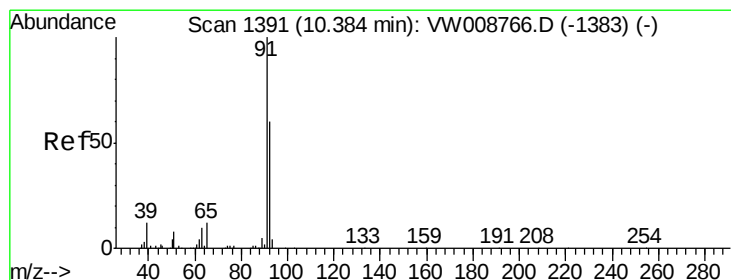
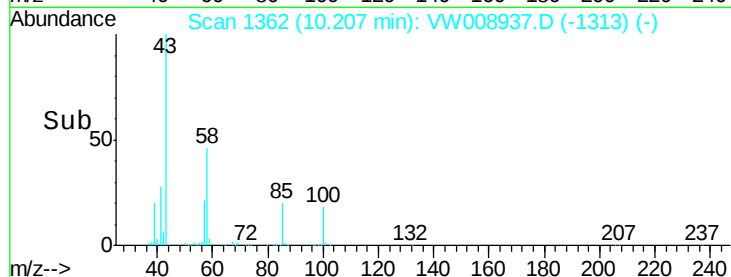
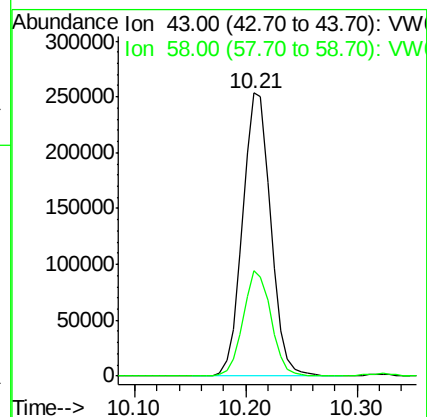
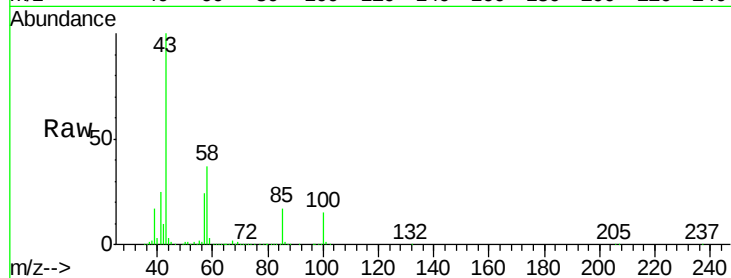
43 100

58 37.0 29.1 43.7

Manual Integrations
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#52

Toluene

Concen: 54.693 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008937.D

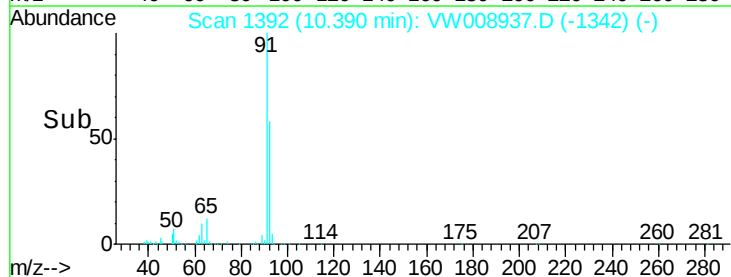
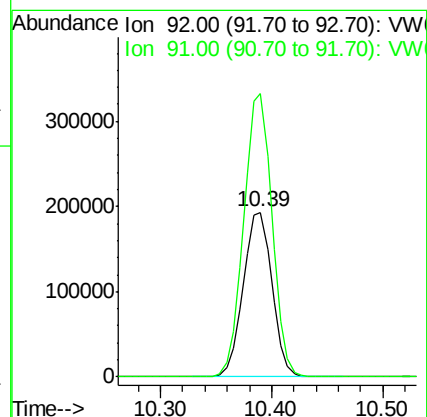
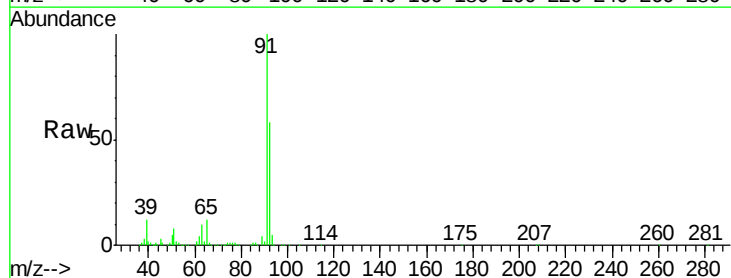
Acq: 01 Mar 2019 22:50

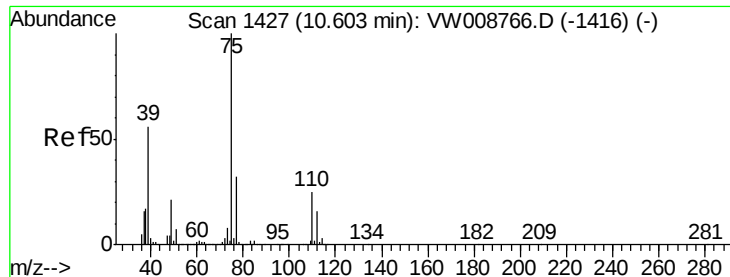
Tgt Ion: 92 Resp: 346433

Ion Ratio Lower Upper

92 100

91 169.6 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 52.820 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 168042

Ion Ratio Lower Upper

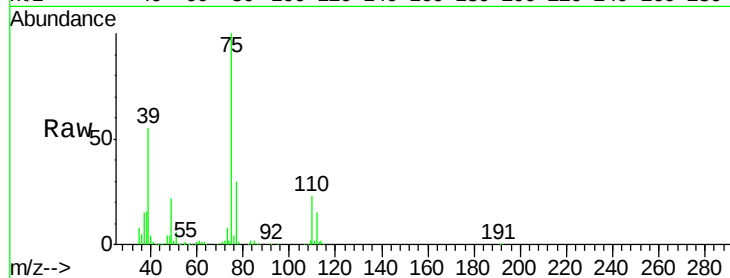
75 100

77 30.2 26.1 39.1

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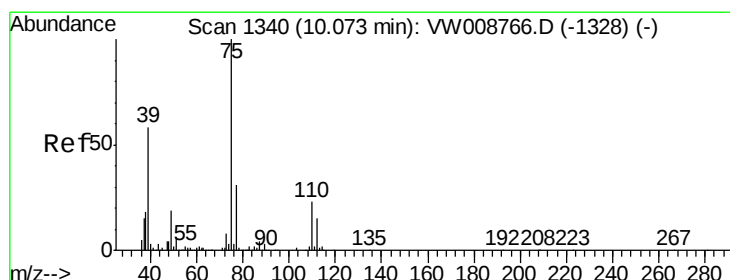
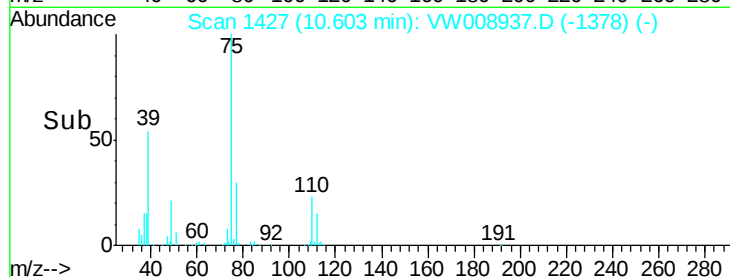
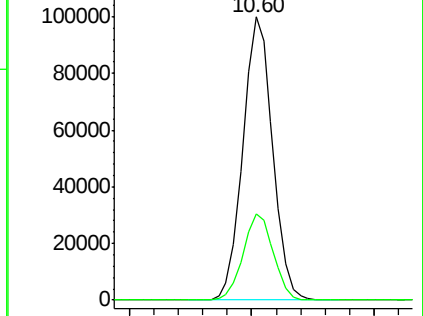
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 53.560 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

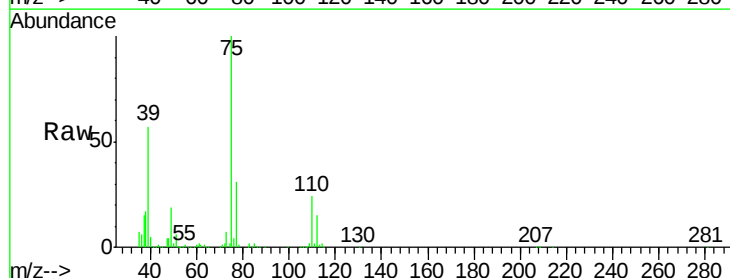
Tgt Ion: 75 Resp: 194342

Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

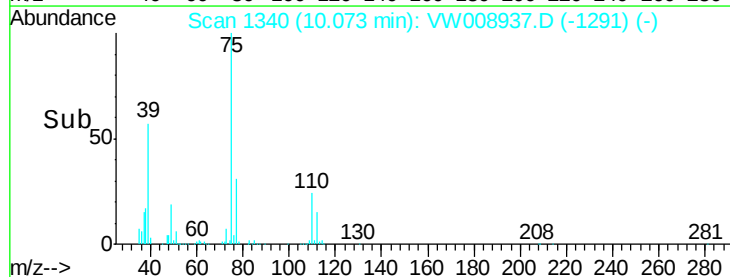
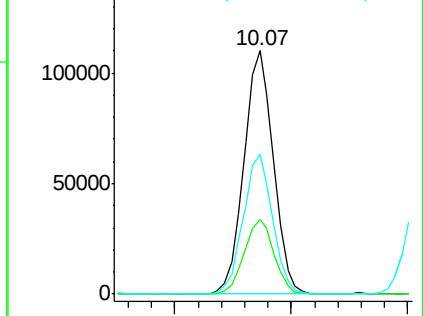
39 57.1 46.6 70.0

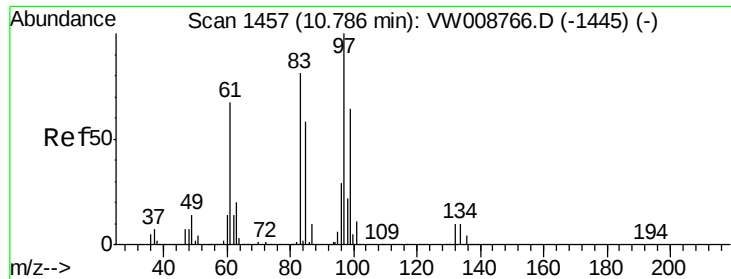


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 55.334 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

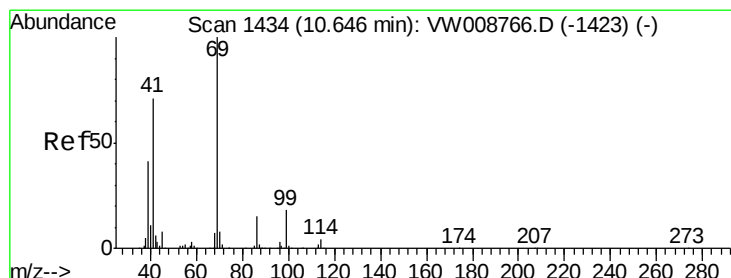
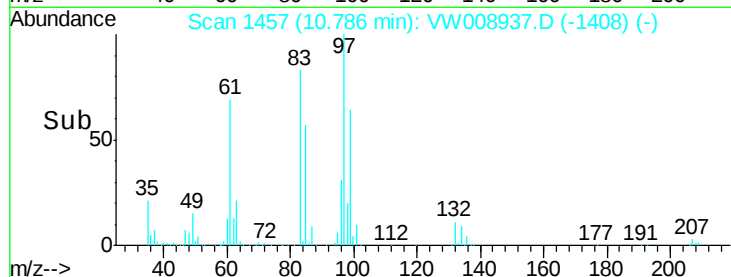
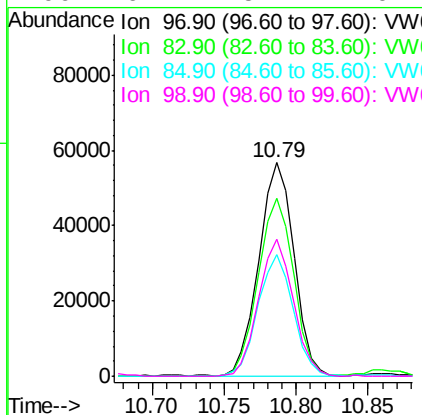
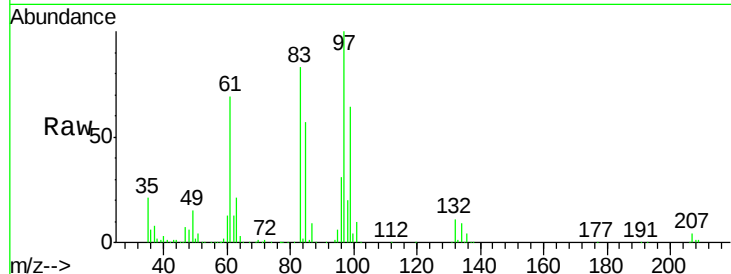
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	96270
Ion	Ratio	Lower	Upper
97	100		
83	82.9	65.0	97.6
85	57.2	46.0	69.0
99	64.2	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.804 ug/l

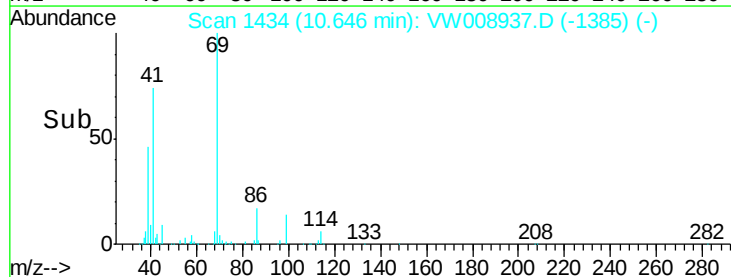
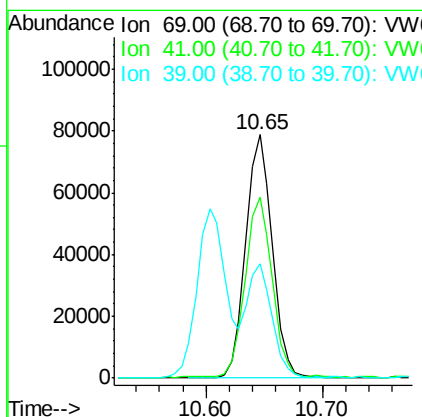
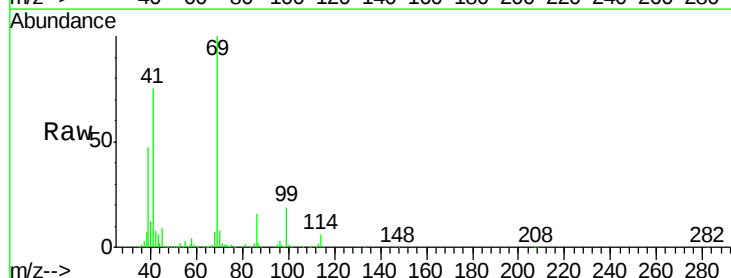
RT: 10.65 min Scan# 1434

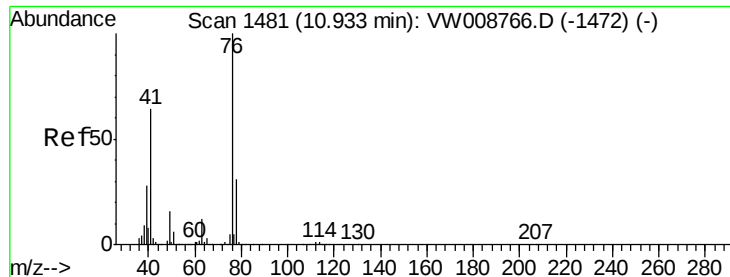
Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	69	Resp:	126137
Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.4	86.0
39	43.1	34.8	52.2





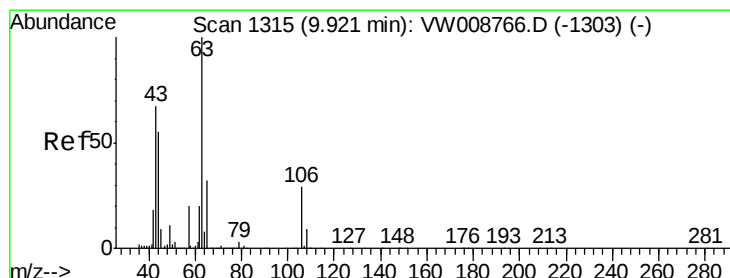
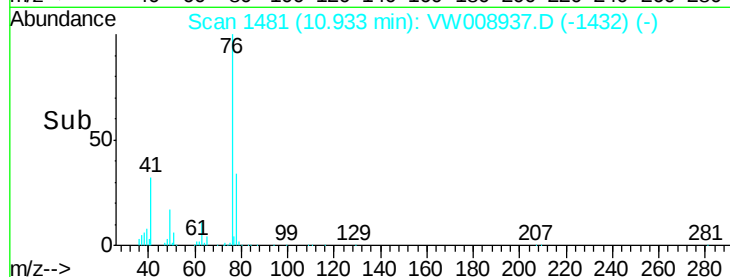
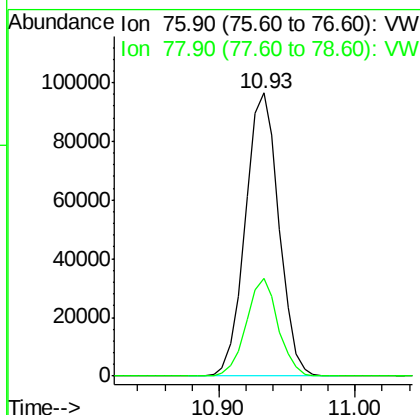
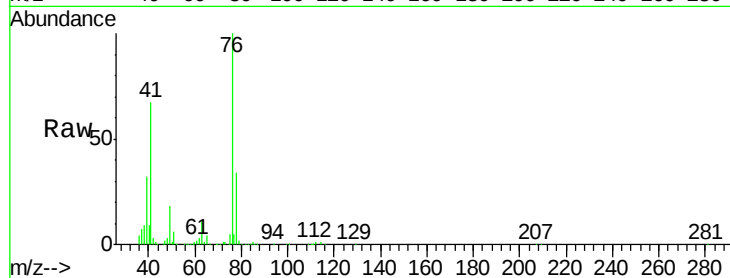
#57
 1,3-Dichloropropane
 Concen: 54.251 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

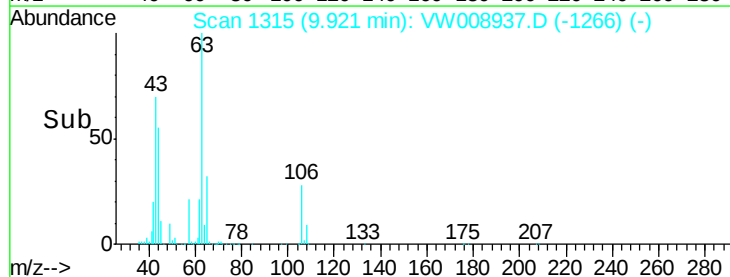
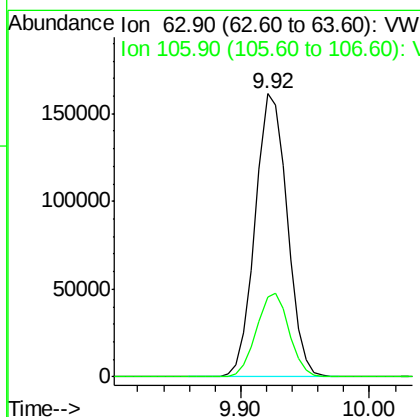
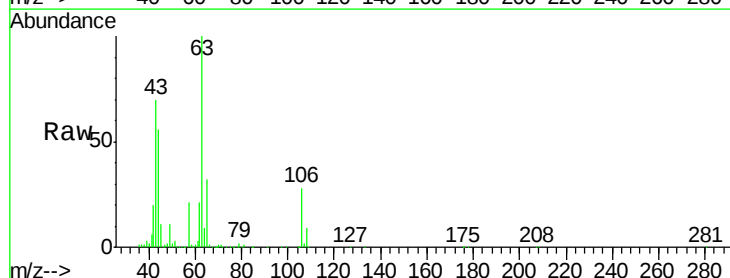
Manual Integrations
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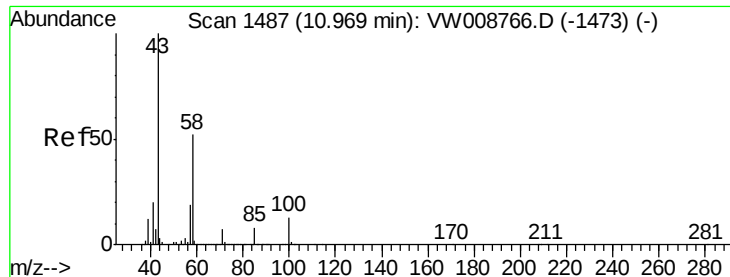
MMDadoda
 3/5/2019 4:05:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.200 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	24.0	36.0





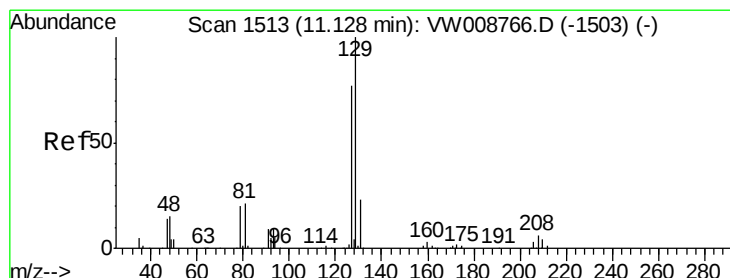
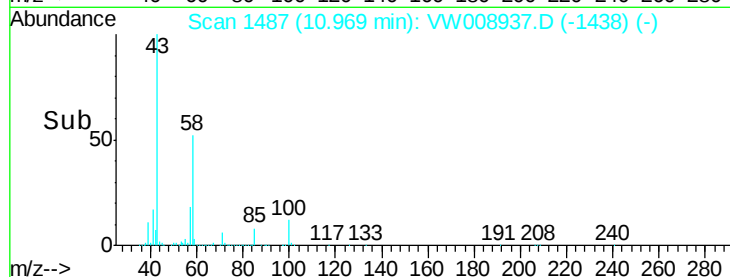
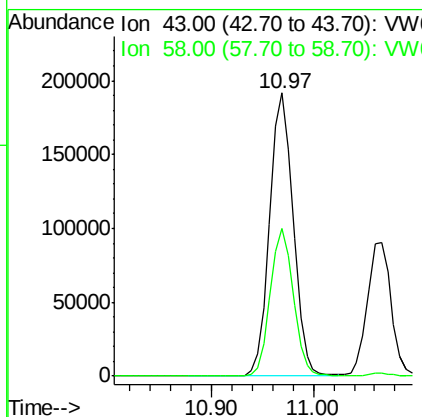
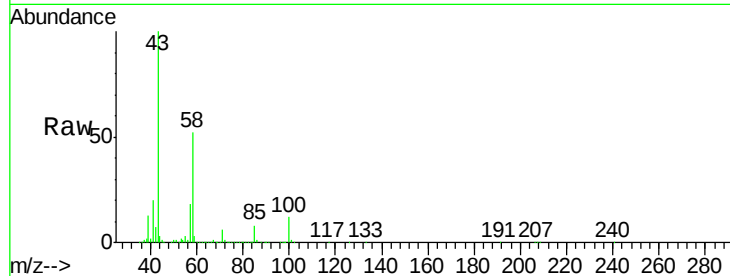
#59
2-Hexanone
Concen: 267.544 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.3	75.8

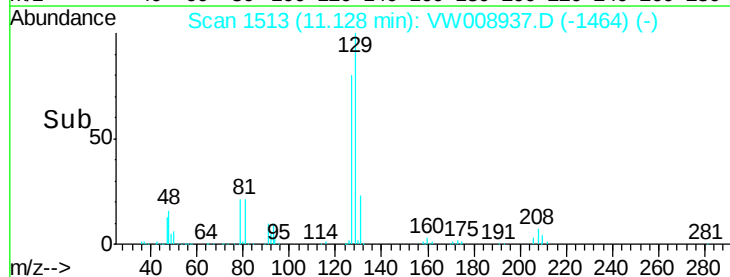
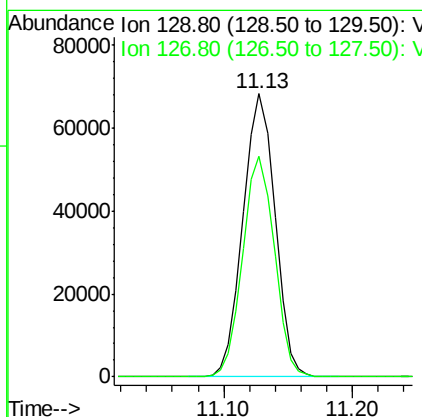
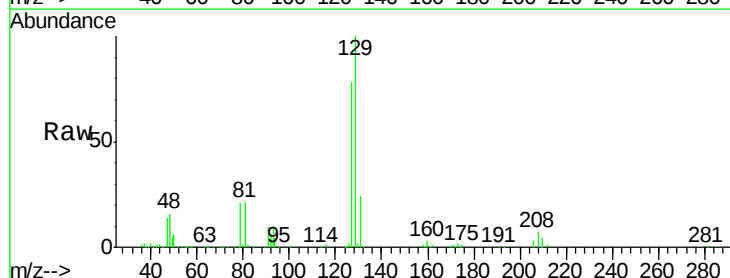
Manual Integrations
APPROVED

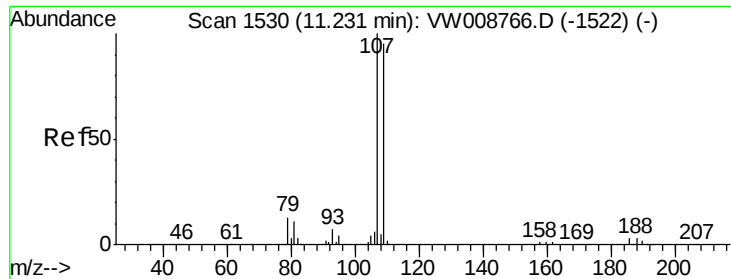
MMDadoda
3/5/2019 4:05:18 AM



#60
Dibromochloromethane
Concen: 55.613 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	116.9





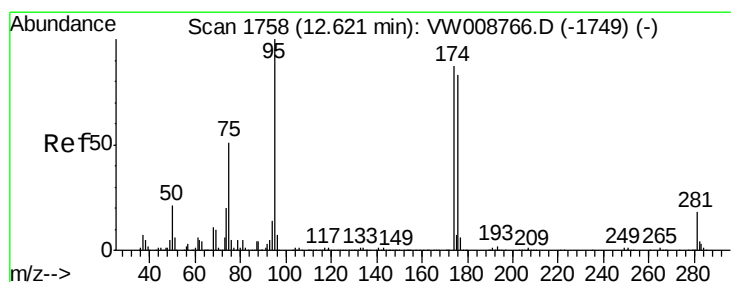
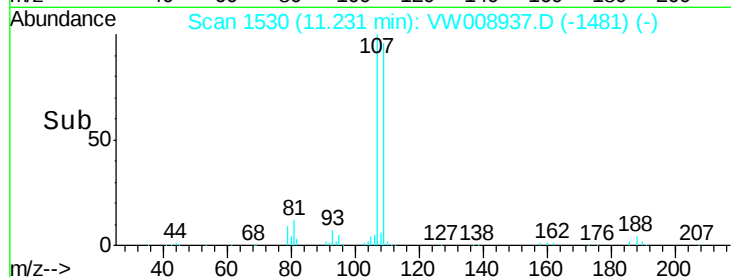
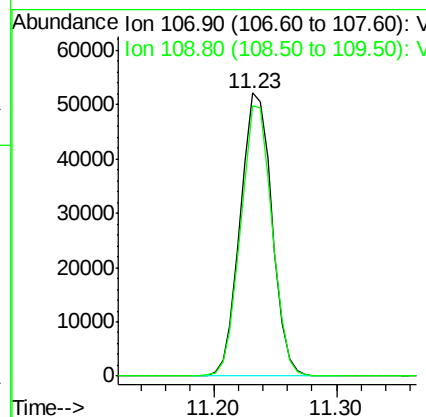
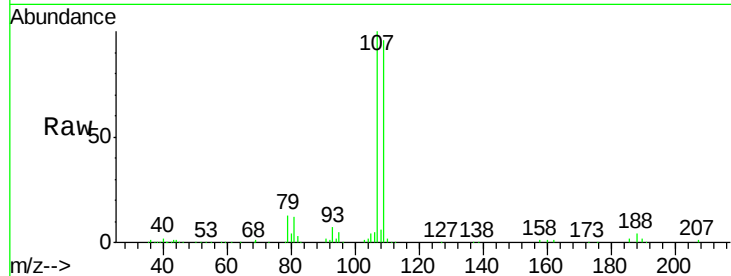
#61
 1,2-Dibromoethane
 Concen: 54.331 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

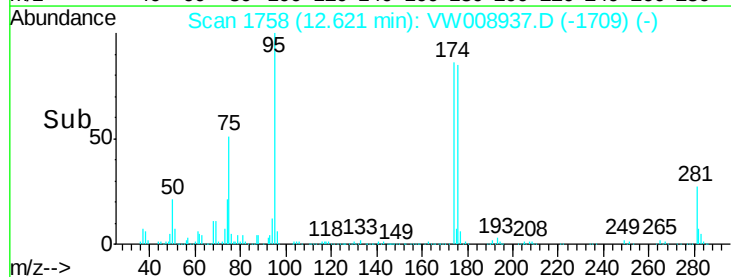
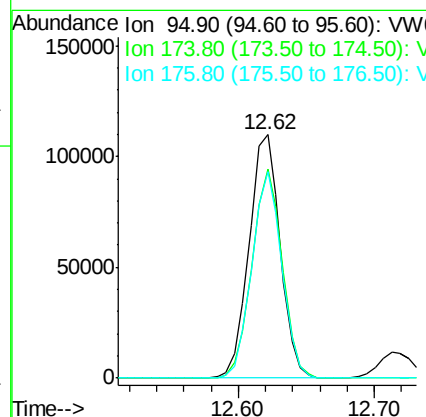
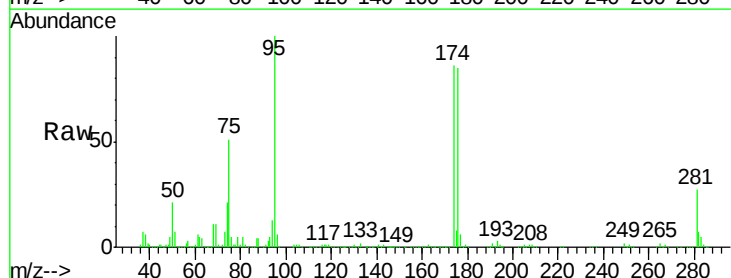
Manual Integrations
 APPROVED

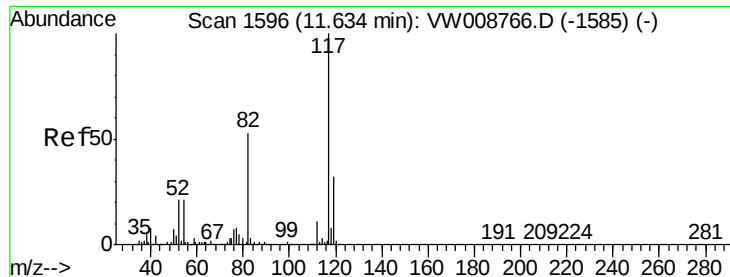
MMDadoda
 3/5/2019 4:05:18 AM



#62
 4-Bromofluorobenzene
 Concen: 55.160 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	169.2
176	81.7	0.0	163.6





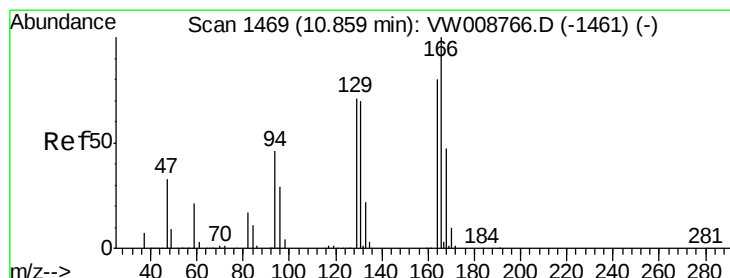
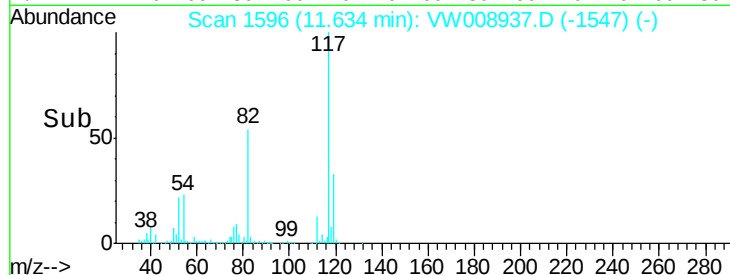
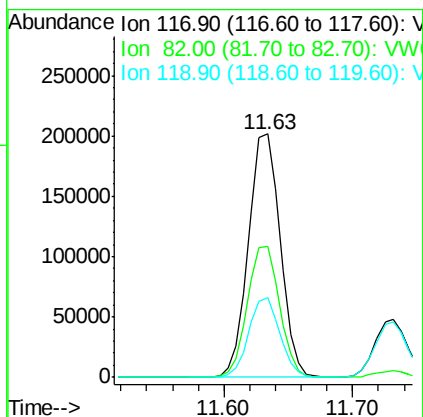
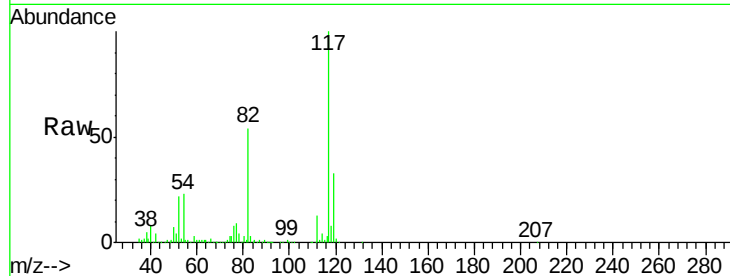
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.2	63.4
119	32.6	25.9	38.9

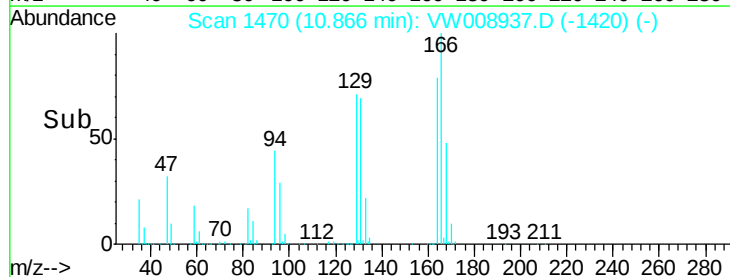
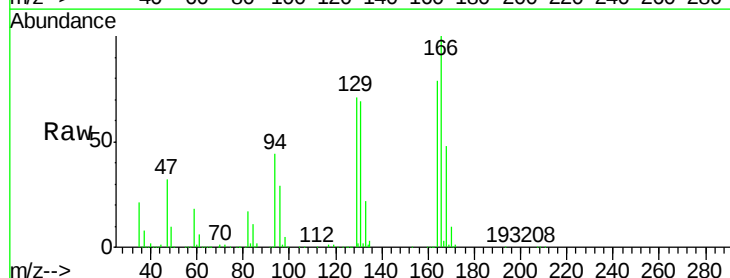
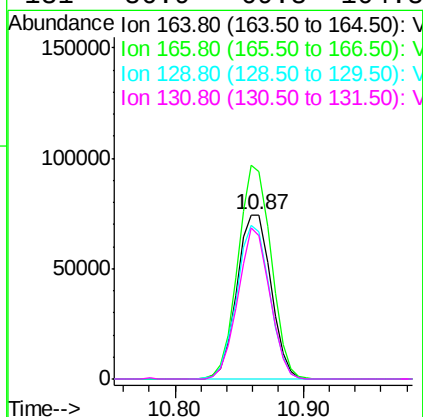
Manual Integrations
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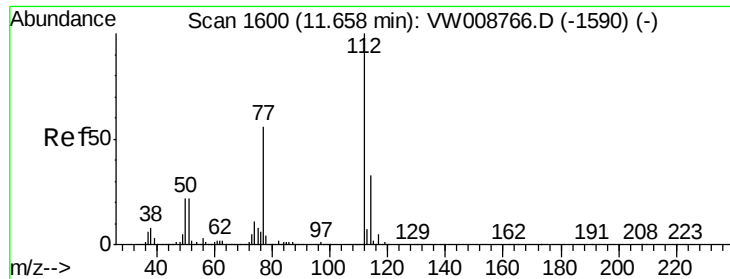
MMDadoda
3/5/2019 4:05:18 AM



#64
Tetrachloroethene
Concen: 55.238 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	99.5	149.3
129	89.3	71.1	106.7
131	86.9	69.8	104.8





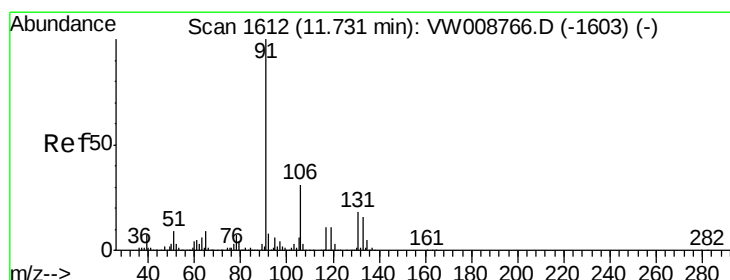
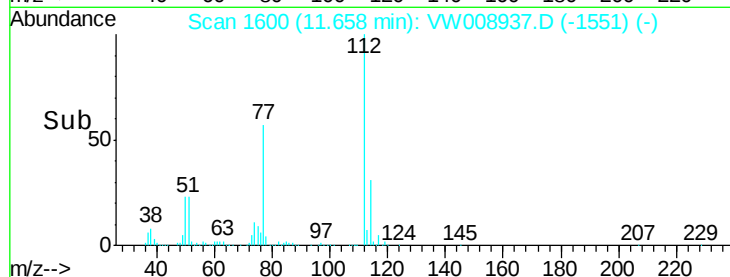
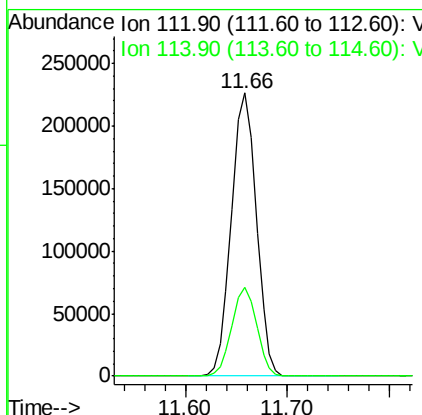
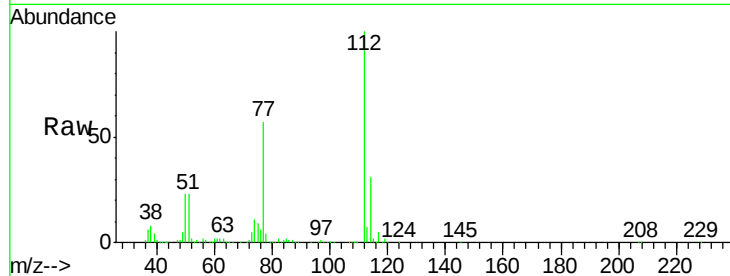
#65
Chlorobenzene
Concen: 53.083 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 383738
Ion Ratio Lower Upper
112 100
114 31.5 26.6 40.0

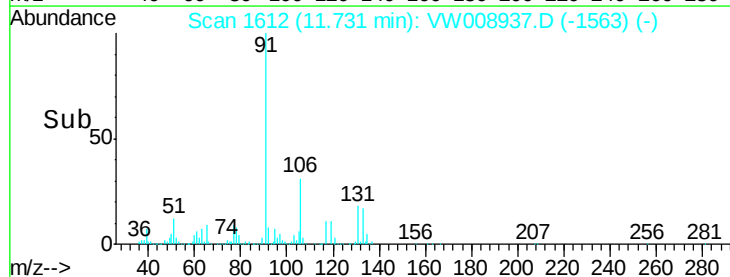
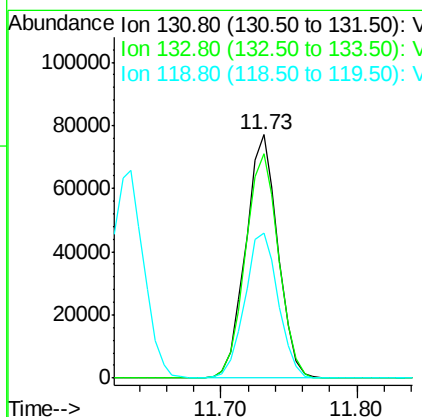
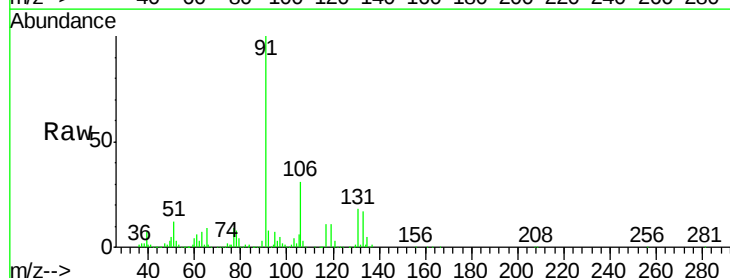
Manual Integrations
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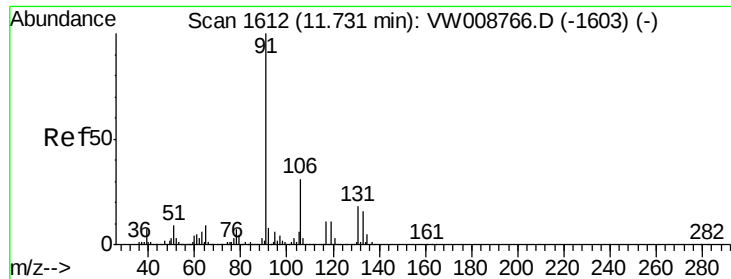
MMDadoda
3/5/2019 4:05:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.095 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion:131 Resp: 127338
Ion Ratio Lower Upper
131 100
133 95.0 46.7 140.0
119 62.1 30.8 92.4





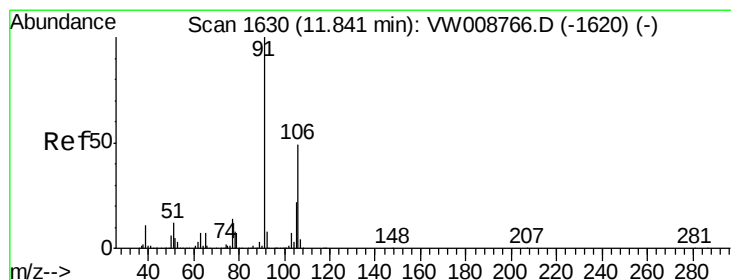
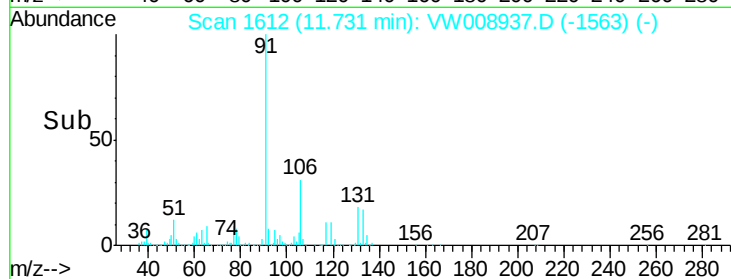
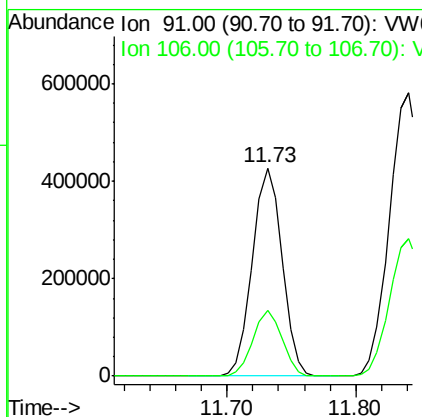
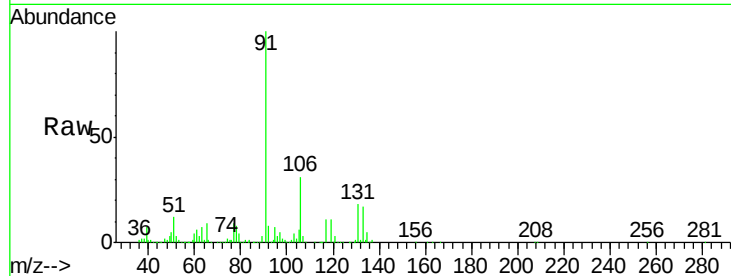
#67
Ethyl Benzene
Concen: 52.629 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.0	37.6

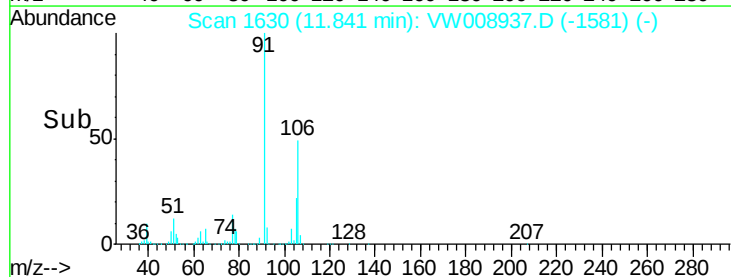
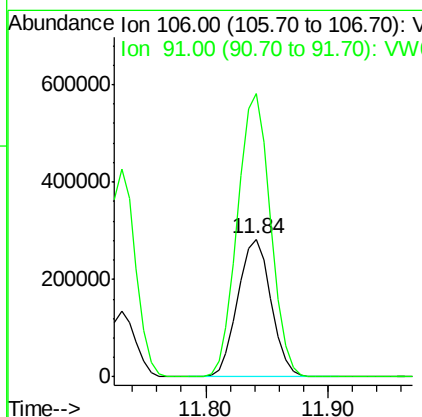
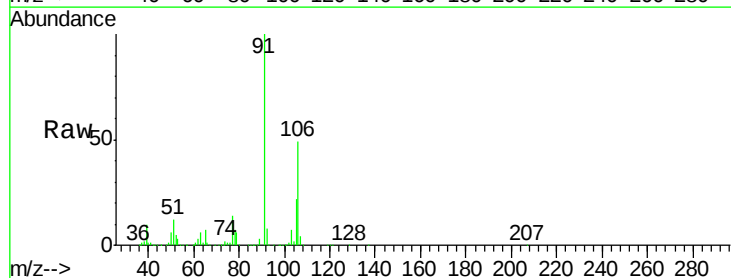
Manual Integrations
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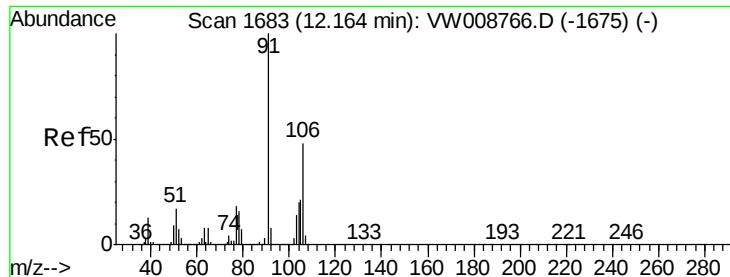
MMDadoda
3/5/2019 4:05:18 AM



#68
m/p-Xylenes
Concen: 103.494 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.4	161.5	242.3





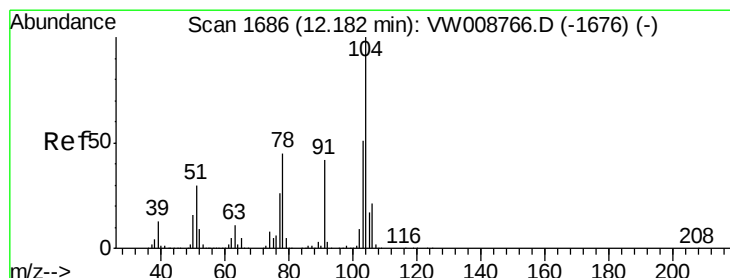
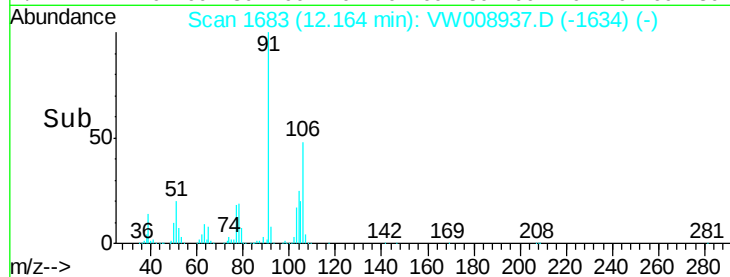
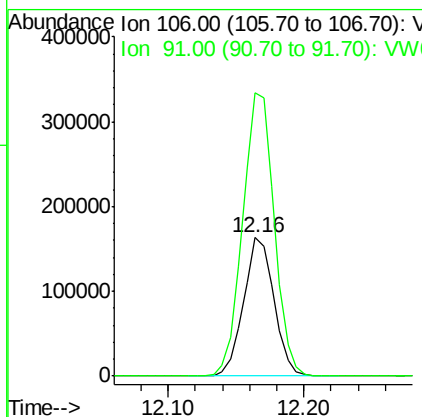
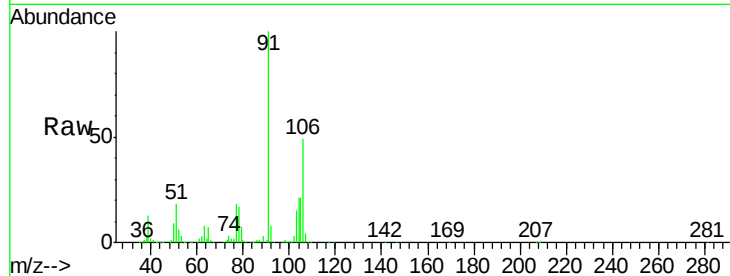
#69
o-Xylene
Concen: 52.744 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 255622
Ion Ratio Lower Upper
106 100
91 212.0 106.2 318.6

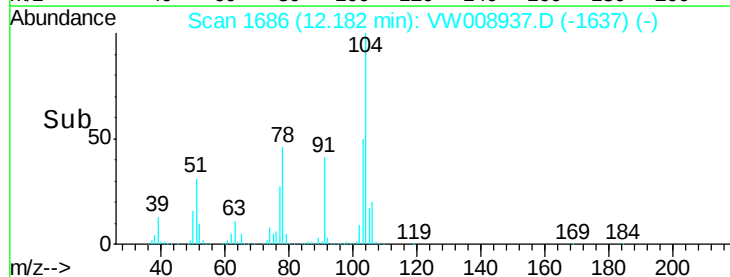
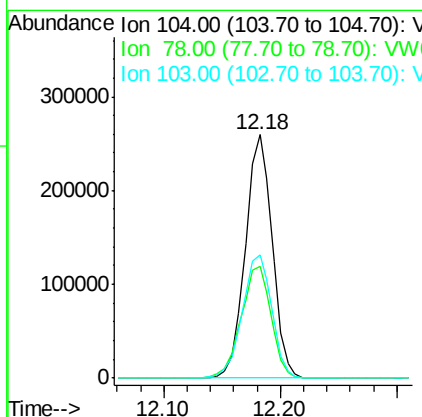
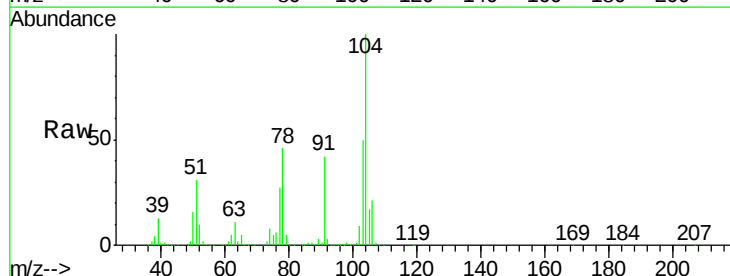
Manual Integrations
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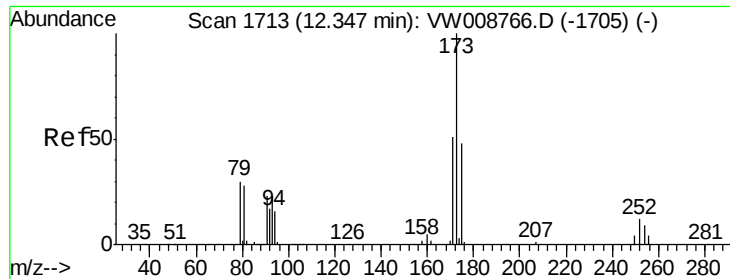
MMDadoda
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#70
Styrene
Concen: 53.585 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion:104 Resp: 417811
Ion Ratio Lower Upper
104 100
78 51.3 40.8 61.2
103 55.6 44.2 66.2





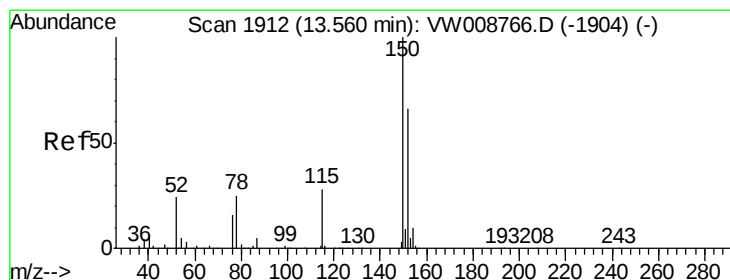
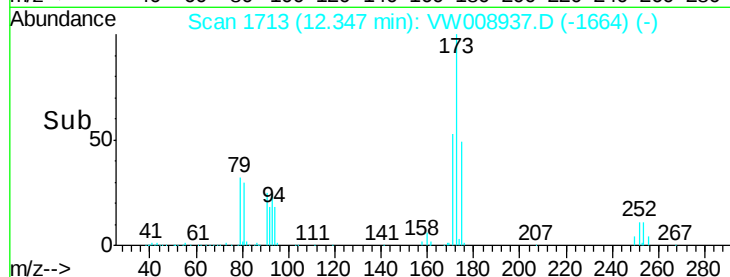
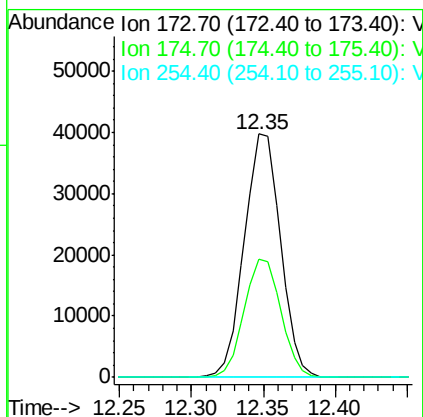
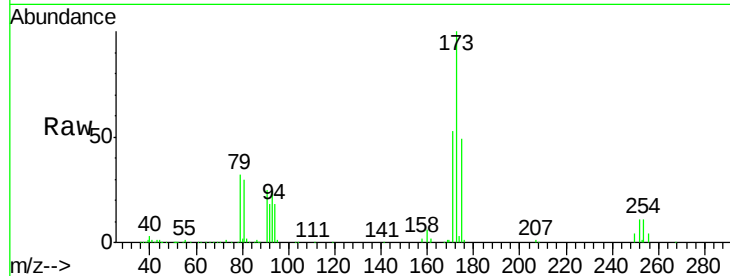
#71
Bromoform
Concen: 52.701 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.1	0.2	0.4

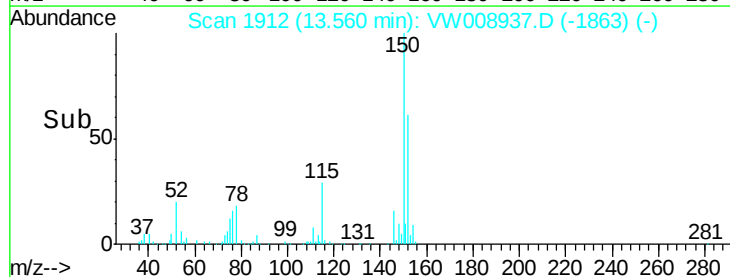
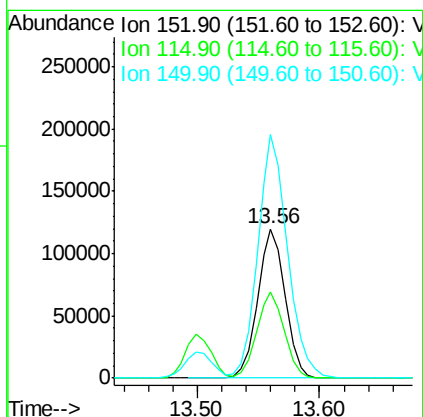
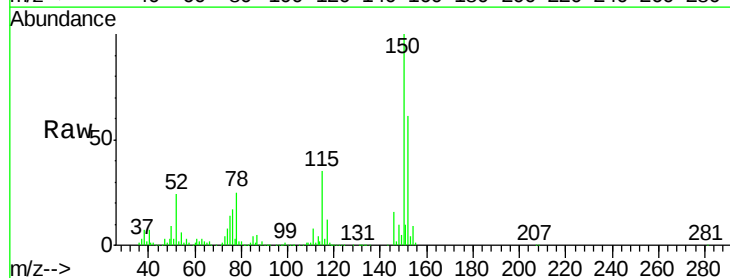
Manual Integrations
APPROVED

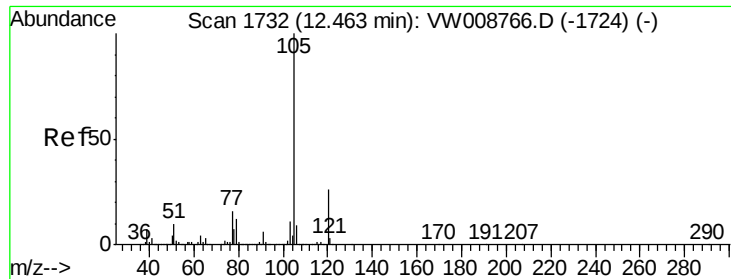
MMDadoda
3/5/2019 4:05:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.6	85.8
150	176.3	0.0	348.0





#73

Isopropylbenzene

Concen: 53.493 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 686941

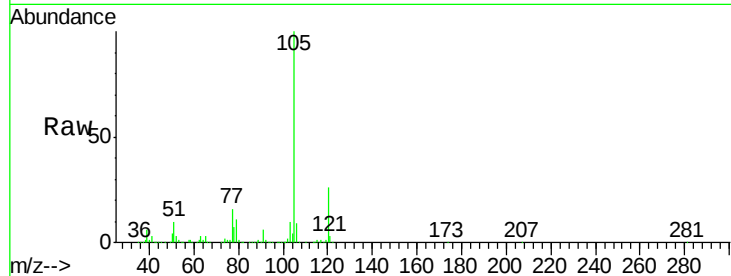
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

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

Ion 120.00 (119.70 to 120.70): V

12.47

400000

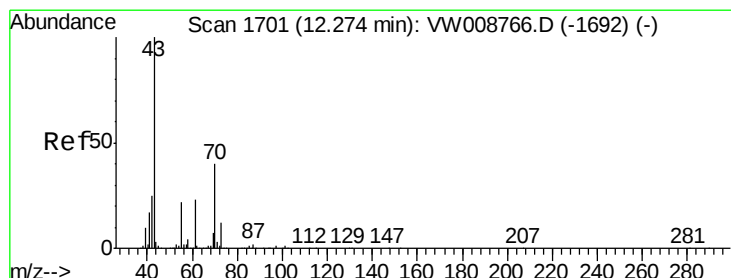
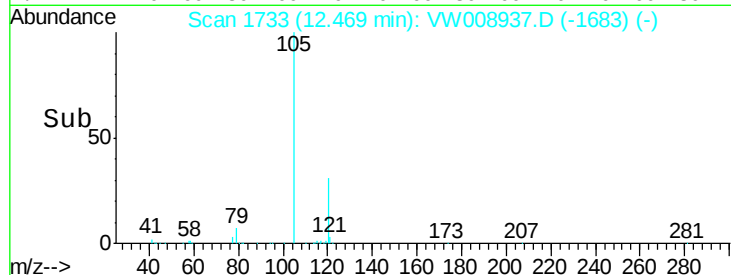
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 53.531 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion: 43 Resp: 173156

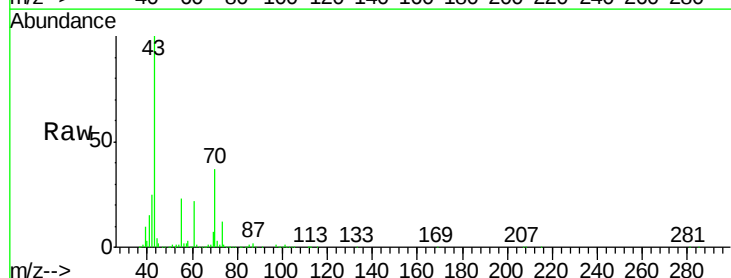
Ion Ratio Lower Upper

43 100

70 38.2 31.0 46.6

55 24.2 18.7 28.1

61 23.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

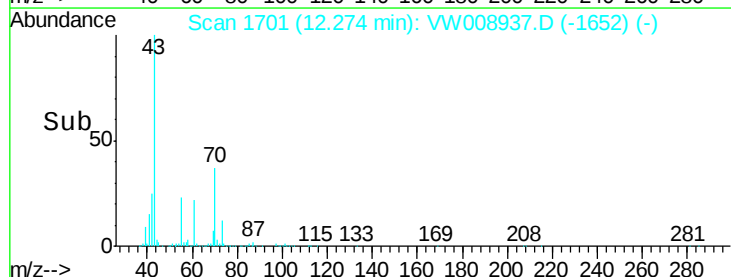
150000

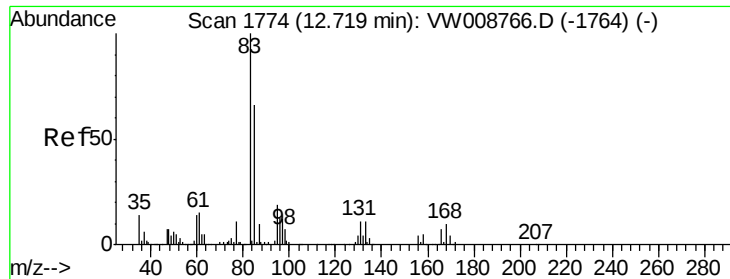
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.316 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

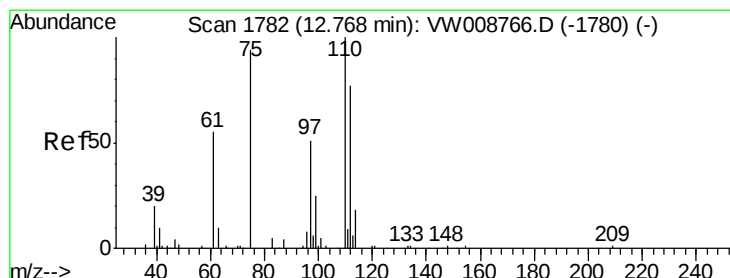
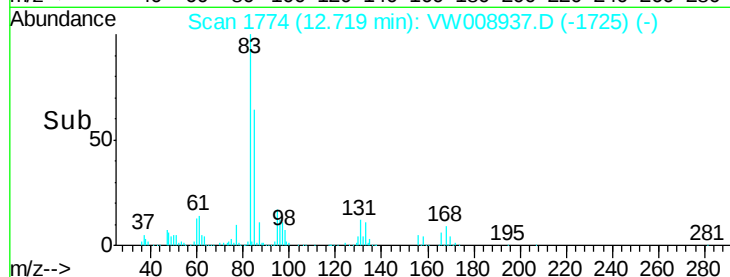
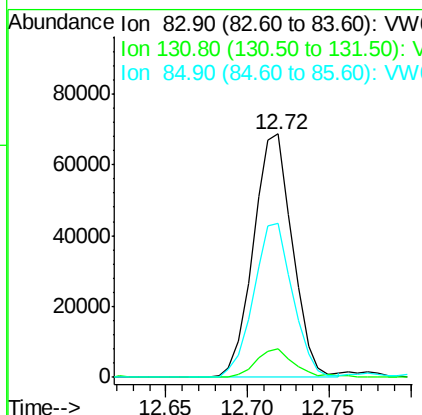
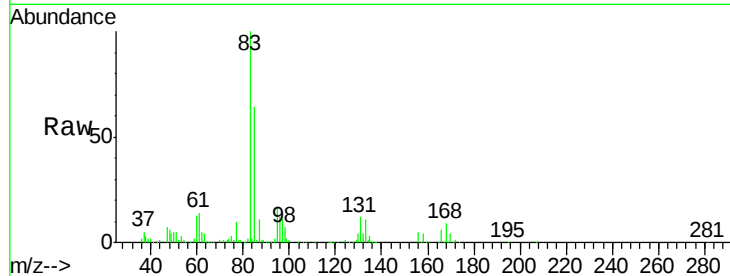
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	113970
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.5	16.7
85	63.4	33.0	98.9

Manual Integrations
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3/5/2019 4:05:18 AM



#76

1,2,3-Trichloropropane

Concen: 52.116 ug/l m

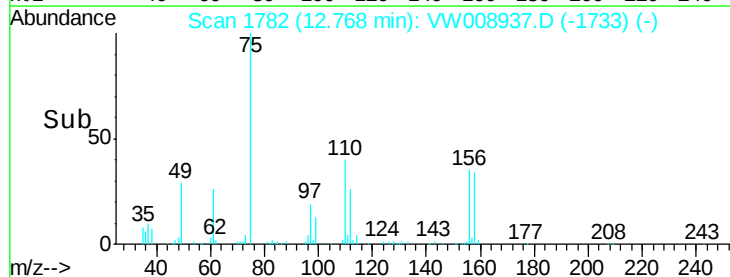
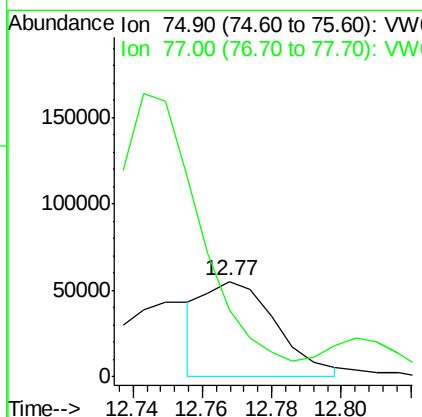
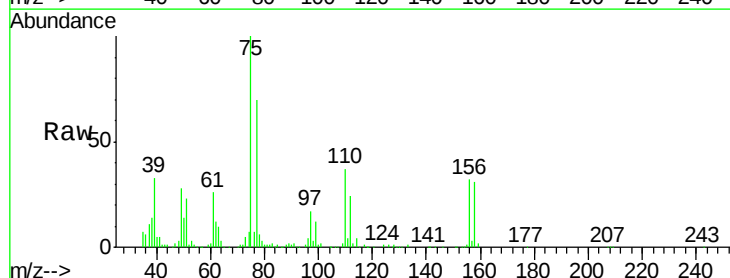
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion:	75	Resp:	80601
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.827 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 163345

Ion Ratio Lower Upper

156 100

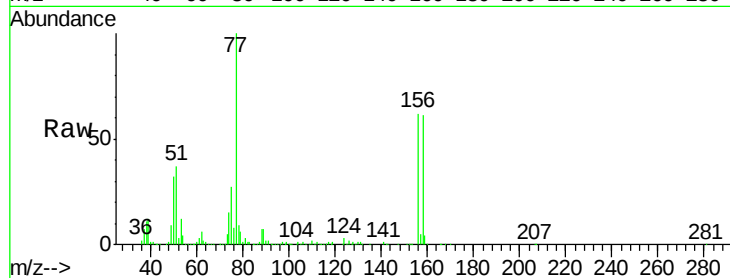
77 181.5 89.1 267.4

158 97.7 49.2 147.6

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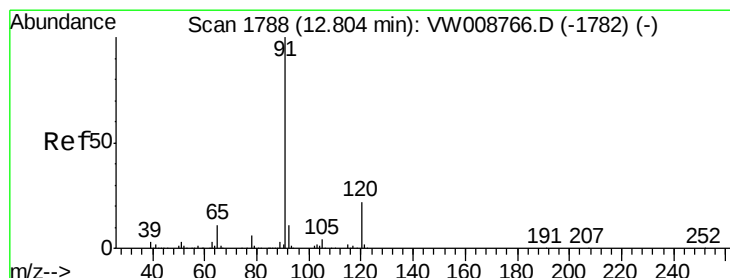
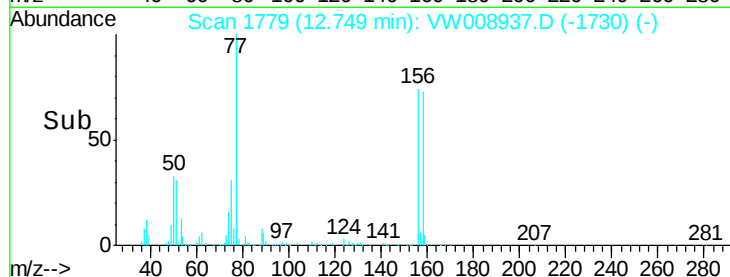
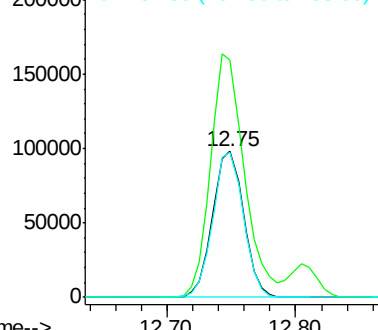
3/5/2019 4:05:18 AM



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: 52.785 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008937.D

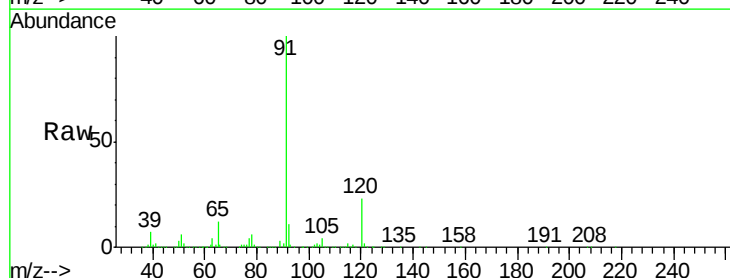
Acq: 01 Mar 2019 22:50

Tgt Ion: 91 Resp: 829157

Ion Ratio Lower Upper

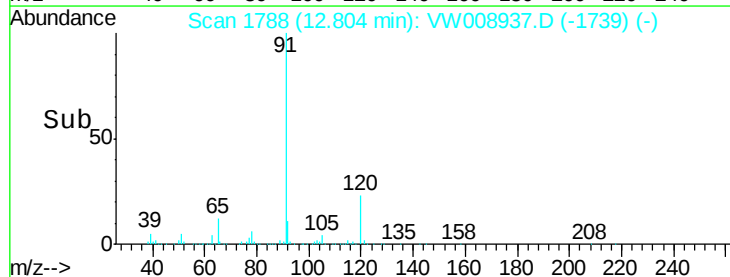
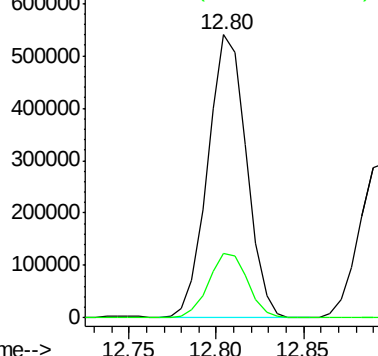
91 100

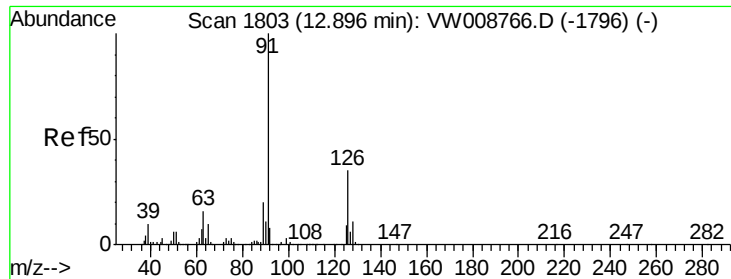
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





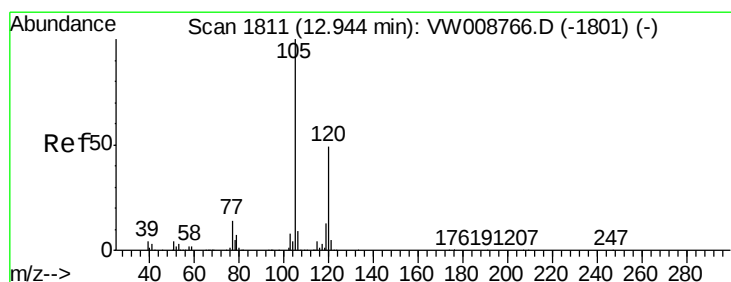
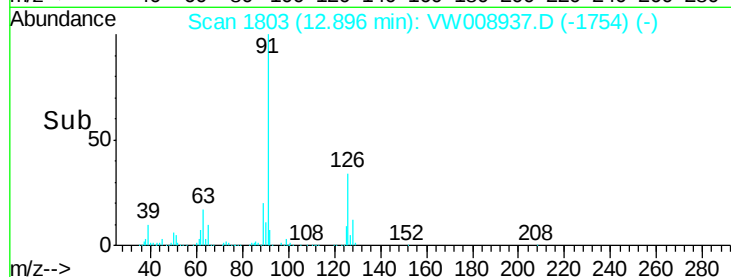
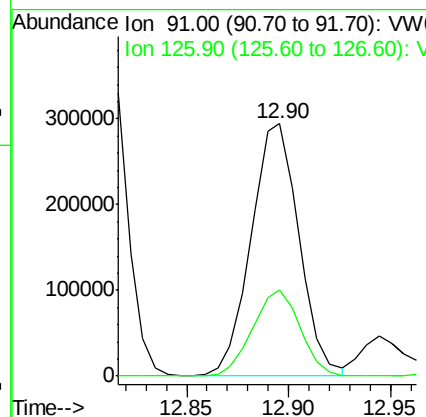
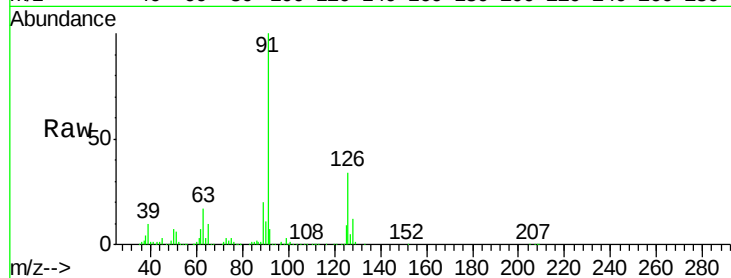
#79
2-Chlorotoluene
Concen: 53.875 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 480483
Ion Ratio Lower Upper
91 100
126 34.1 17.0 51.0

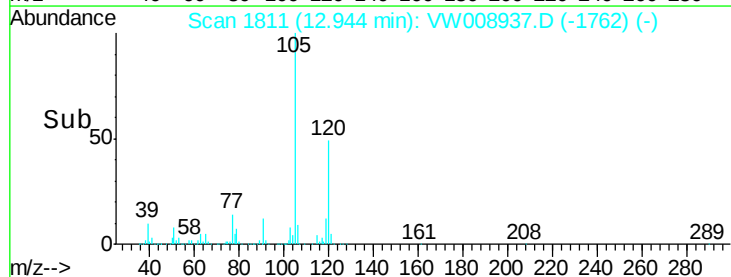
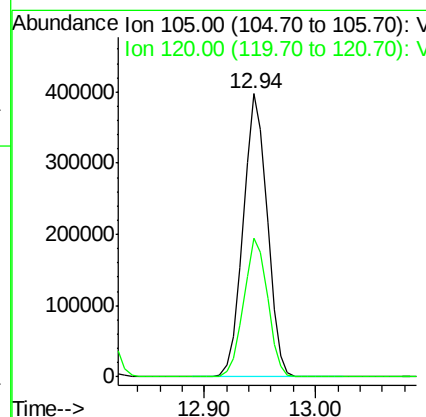
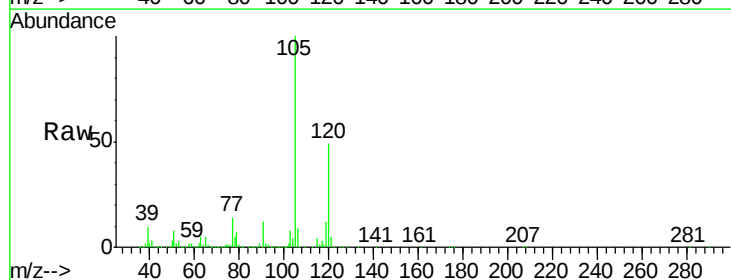
Manual Integrations
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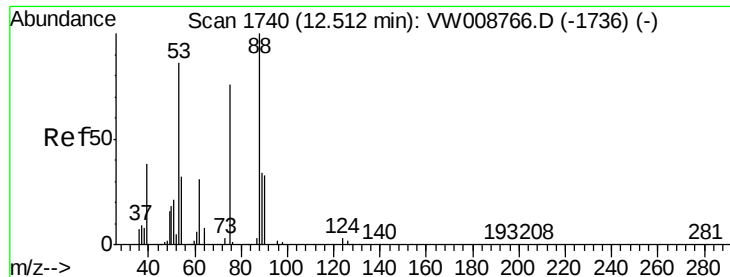
MMDadoda
3/5/2019 4:05:18 AM



#80
1,3,5-Trimethylbenzene
Concen: 53.302 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion: 105 Resp: 594825
Ion Ratio Lower Upper
105 100
120 48.9 24.8 74.4





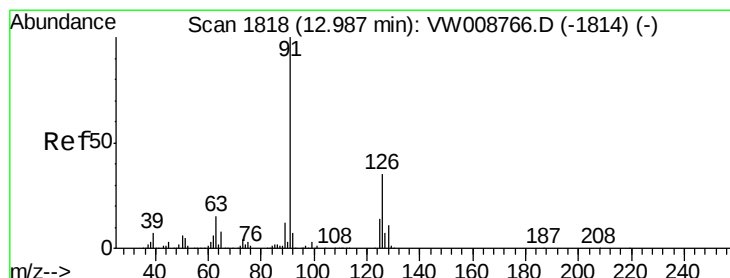
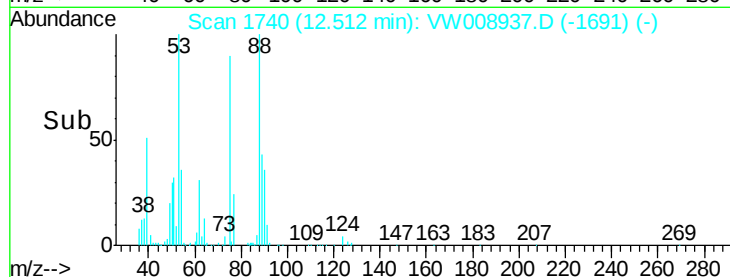
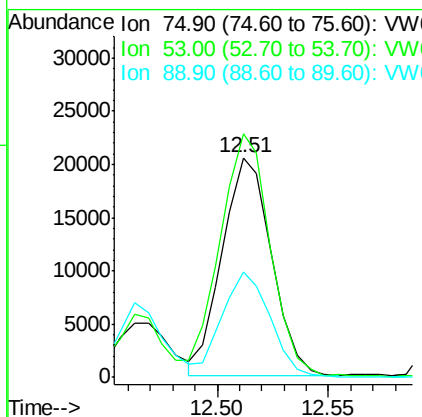
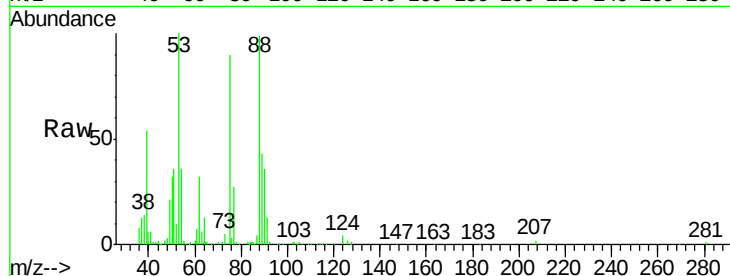
#81
trans-1,4-Dichloro-2-butene
Concen: 49.631 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.0	88.2	132.2
89	47.6	39.5	59.3

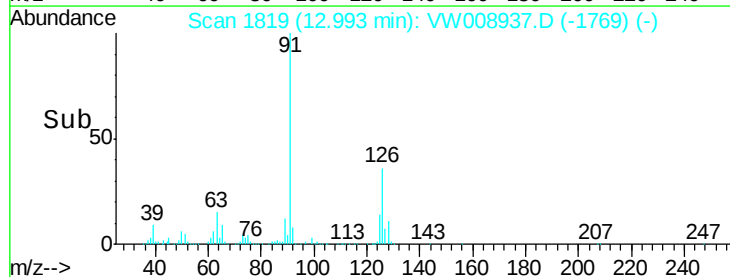
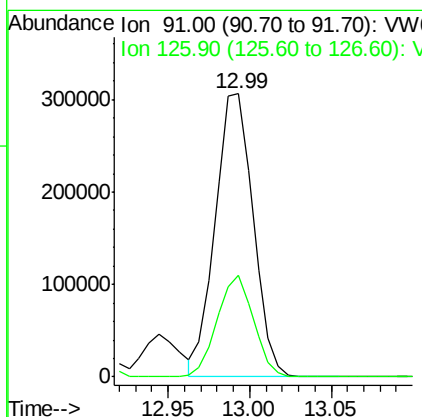
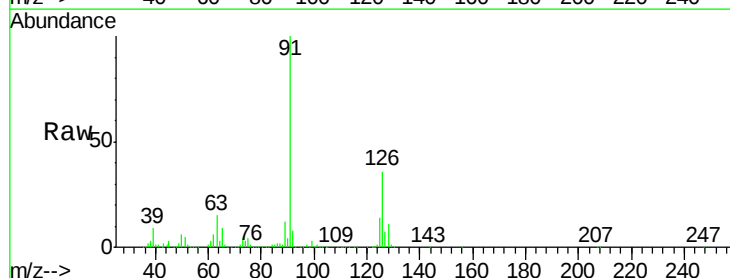
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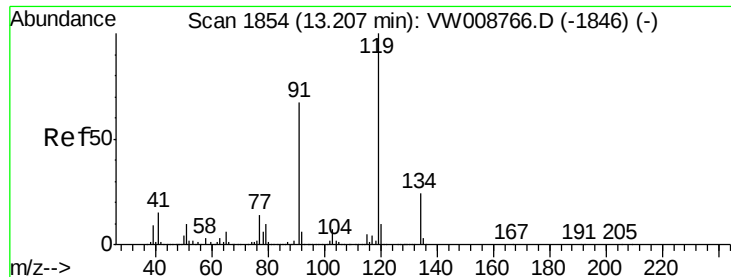
MMDadoda
3/5/2019 4:05:18 AM



#82
4-Chlorotoluene
Concen: 52.784 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





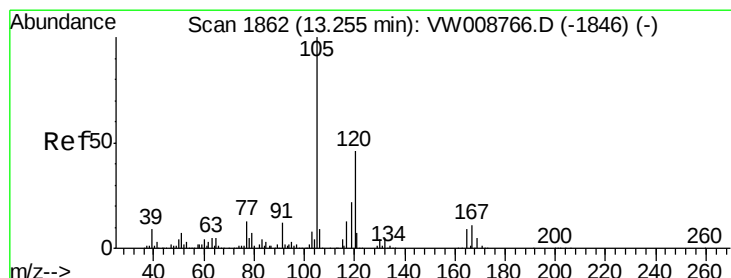
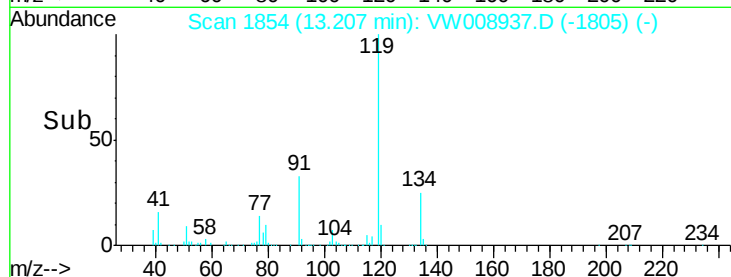
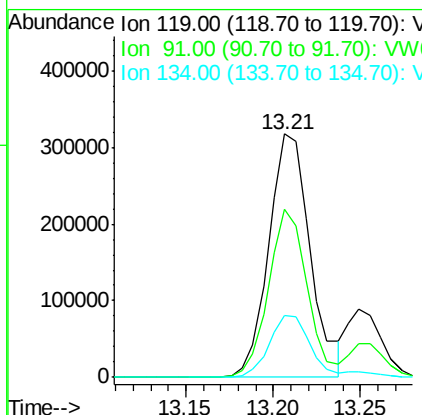
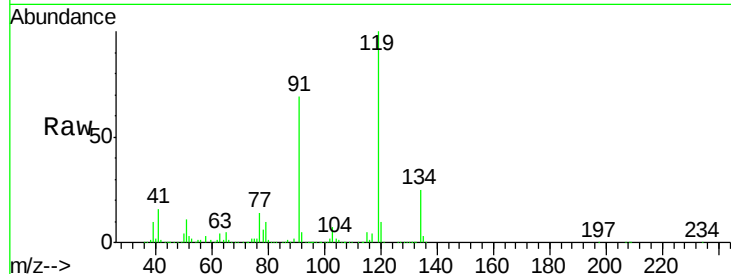
#83
tert-Butylbenzene
Concen: 54.402 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	33.6	100.8
134	26.7	13.7	41.1

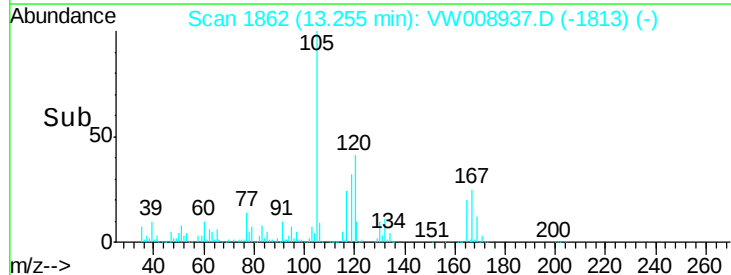
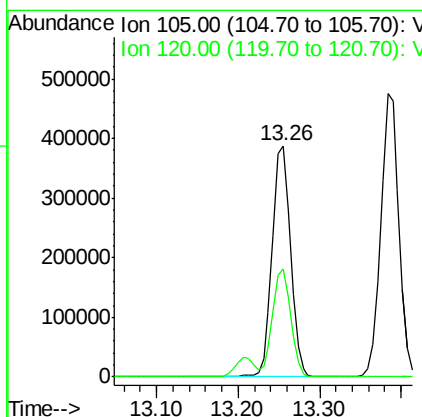
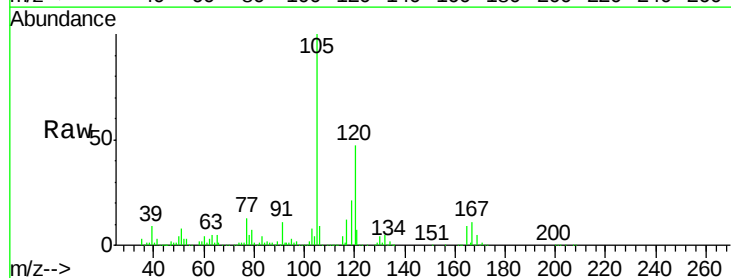
Manual Integrations
APPROVED

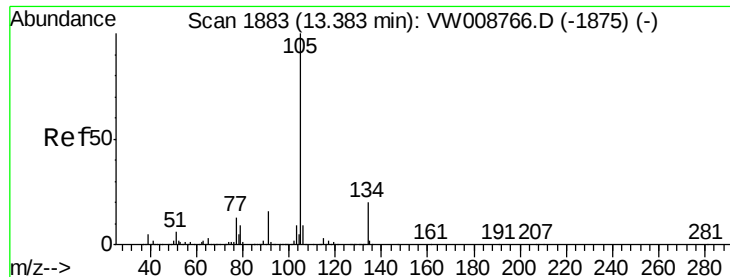
MMDadoda
3/5/2019 4:05:18 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.173 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.8	68.4





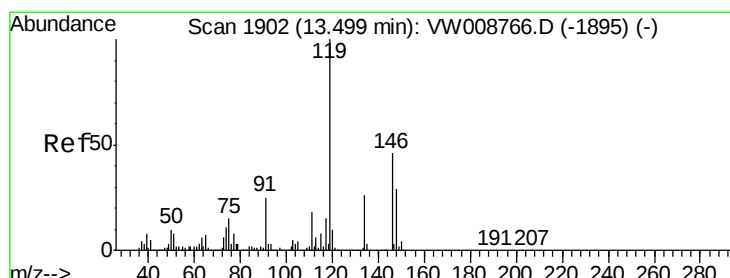
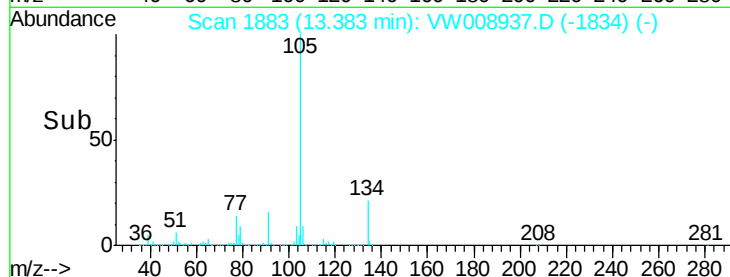
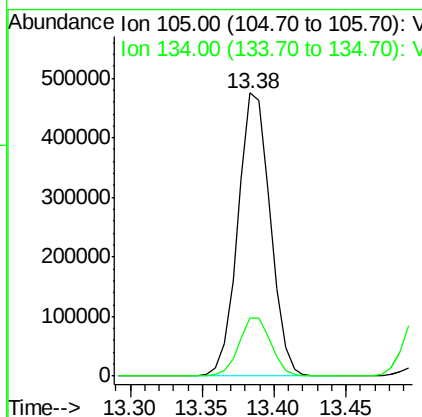
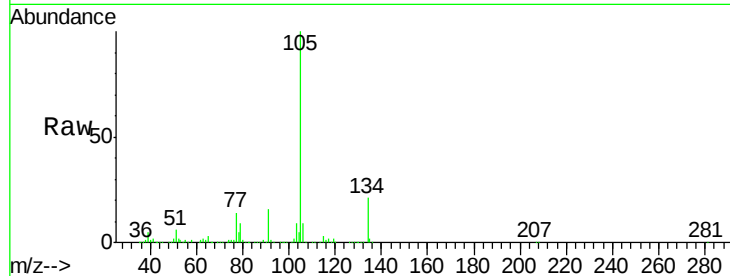
#85
 sec-Butylbenzene
 Concen: 53.346 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	740165		
134	20.5	10.4	31.1	

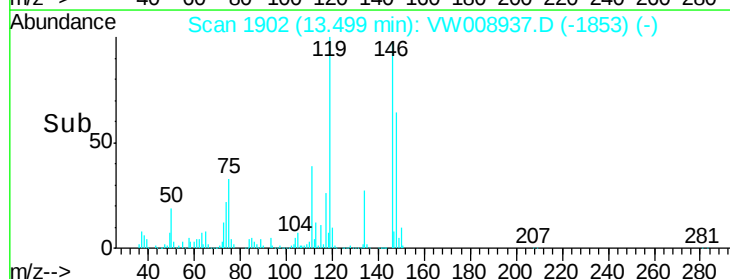
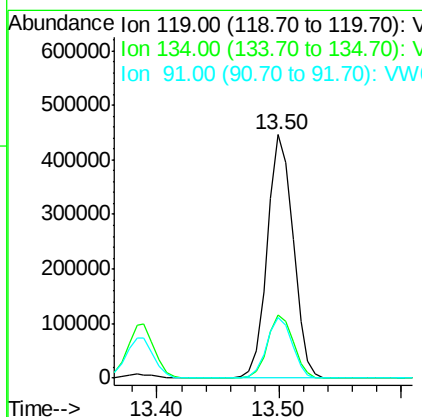
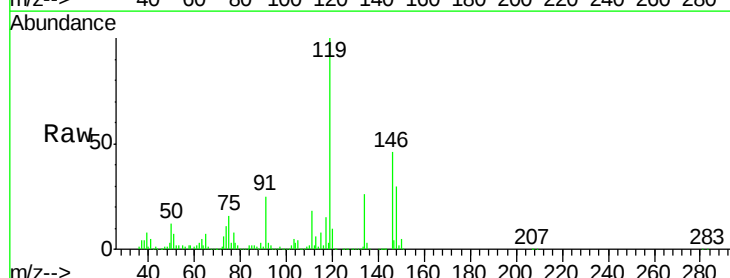
Manual Integrations
 APPROVED

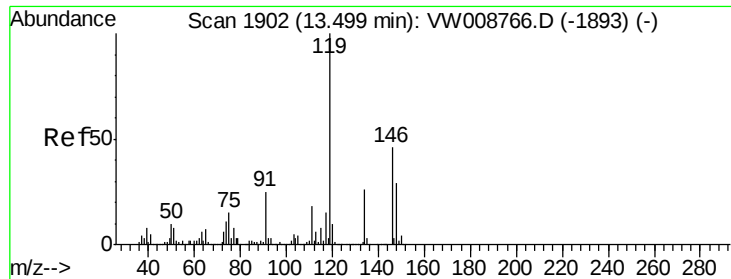
MMDadoda
 3/5/2019 4:05:18 AM



#86
 p-Isopropyltoluene
 Concen: 51.480 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	654793		
134	26.2	13.1	39.3	
91	24.6	12.1	36.3	





#87

1,3-Dichlorobenzene

Concen: 52.198 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

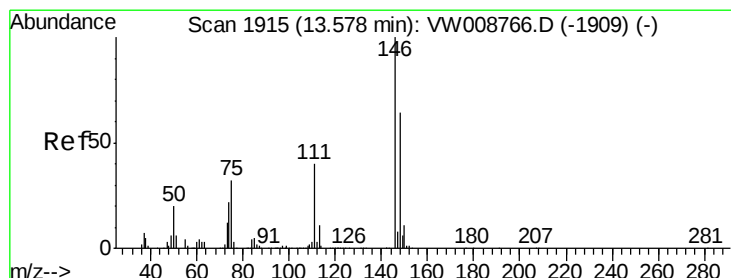
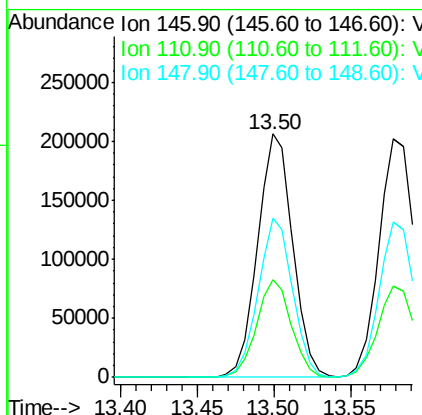
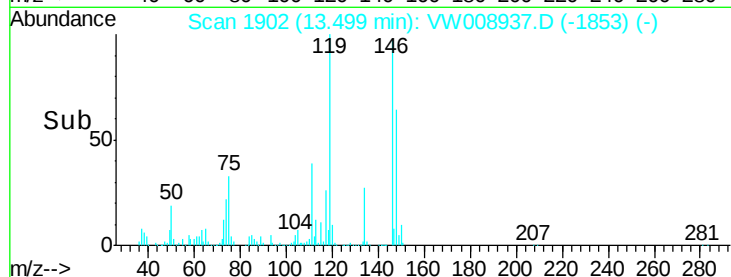
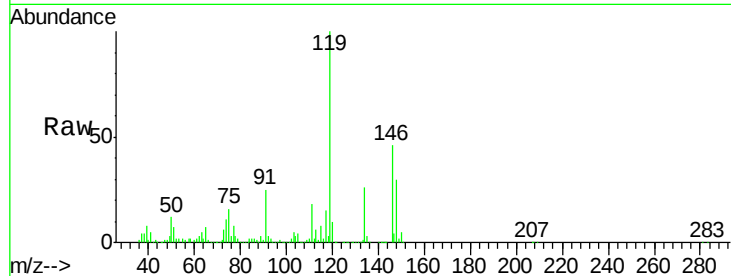
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	64.1	31.6	94.8

Manual Integrations
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3/5/2019 4:05:18 AM



#88

1,4-Dichlorobenzene

Concen: 53.013 ug/l

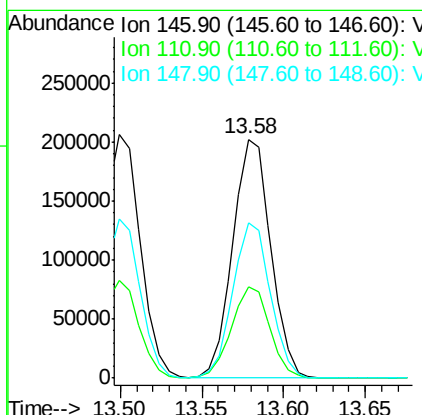
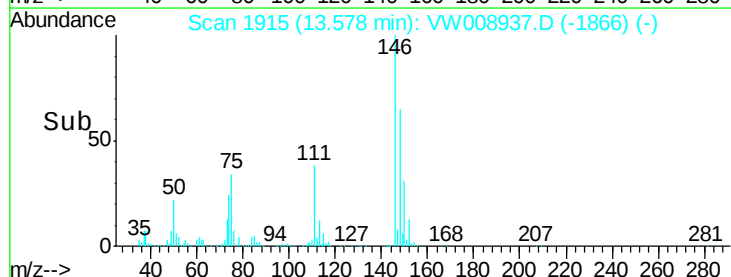
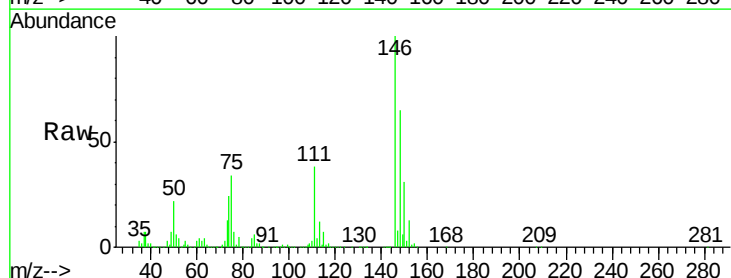
RT: 13.58 min Scan# 1915

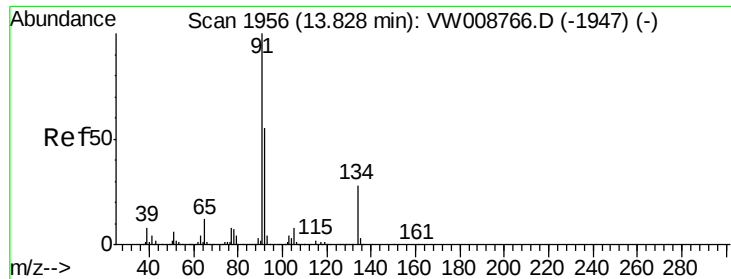
Delta R.T. 0.00 min

Lab File: VW008937.D

Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	64.3	31.9	95.9





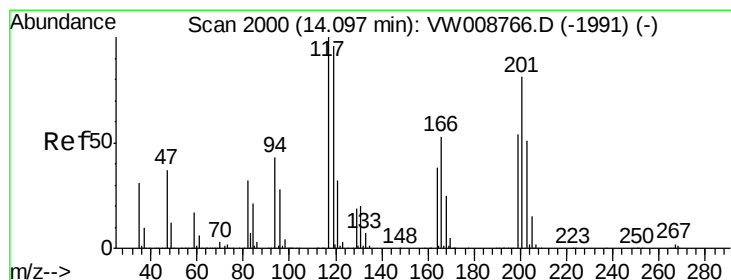
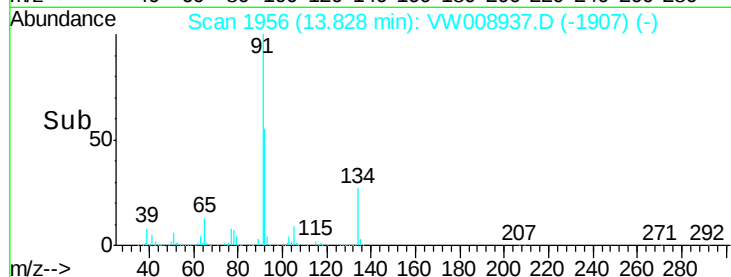
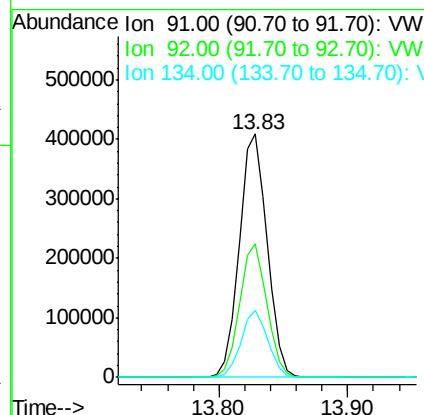
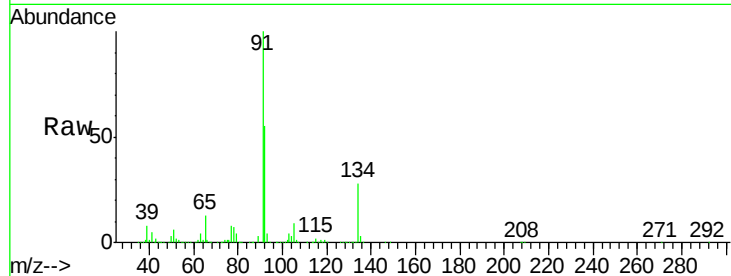
#89
n-Butylbenzene
Concen: 51.292 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	26.5	13.5	40.4

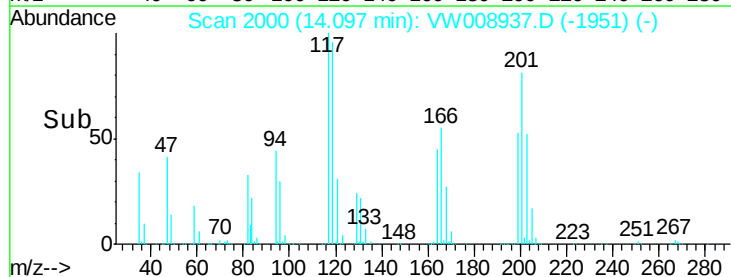
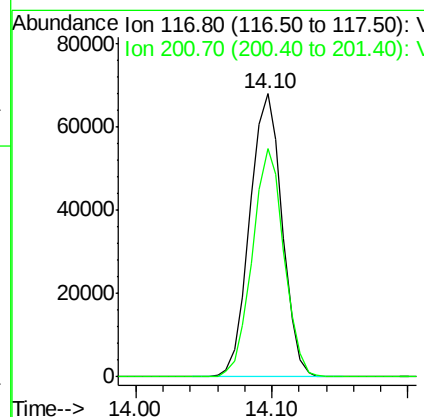
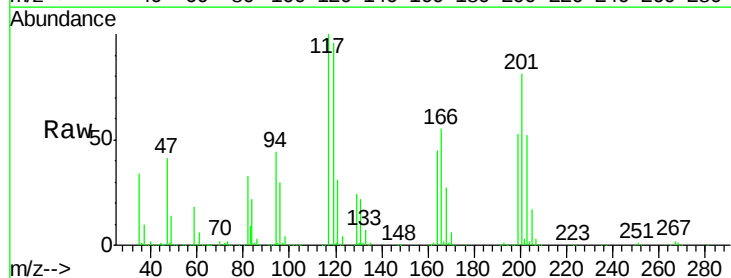
Manual Integrations
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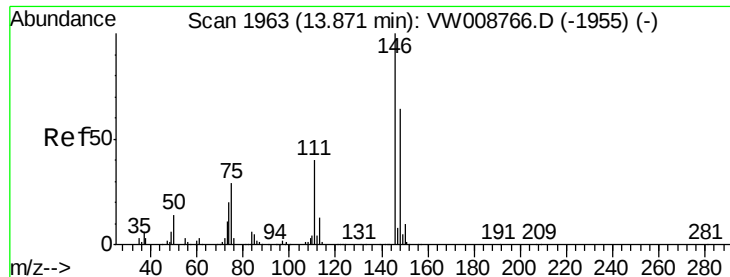
MMDadoda
3/5/2019 4:05:18 AM



#90
Hexachloroethane
Concen: 54.383 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	40.3	120.8





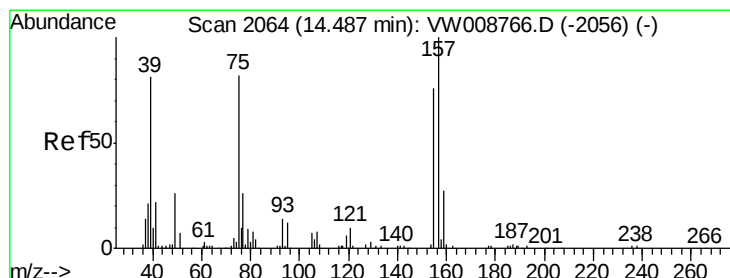
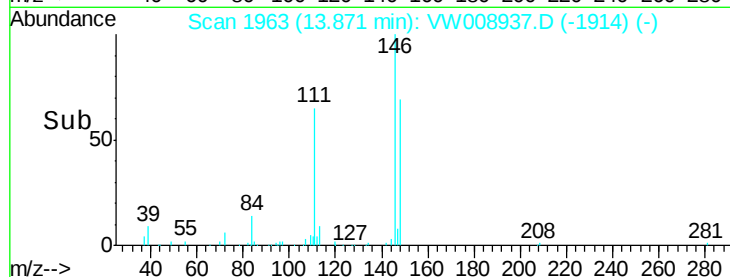
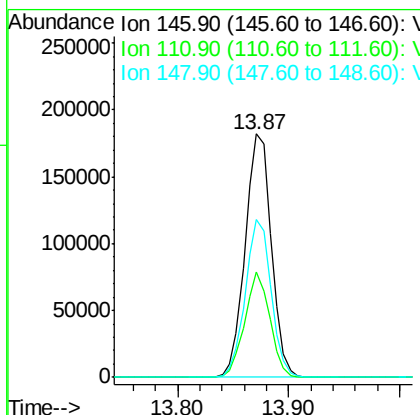
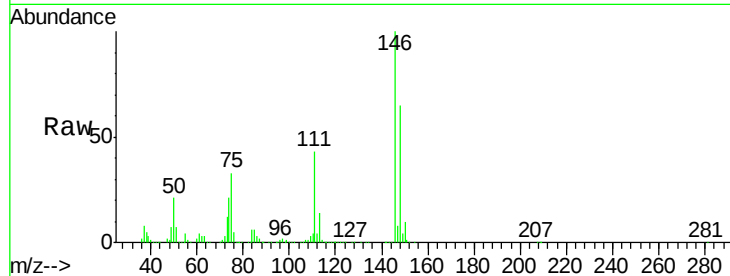
#91
 1,2-Dichlorobenzene
 Concen: 53.121 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298005		
111	41.3	20.3	60.8	
148	63.7	32.5	97.5	

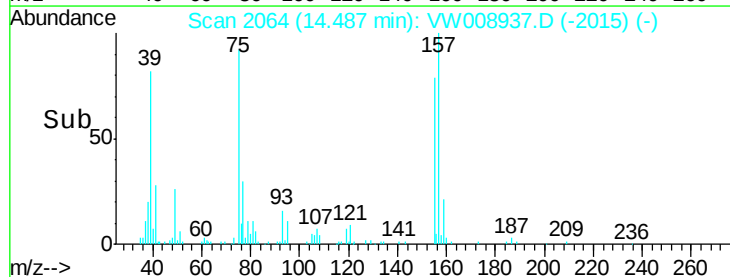
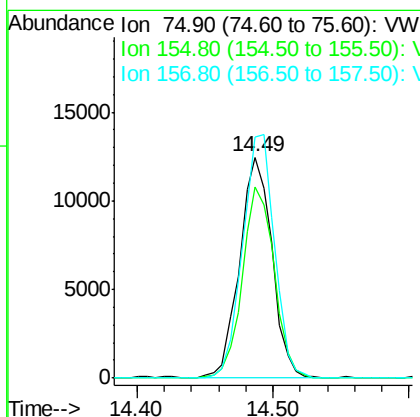
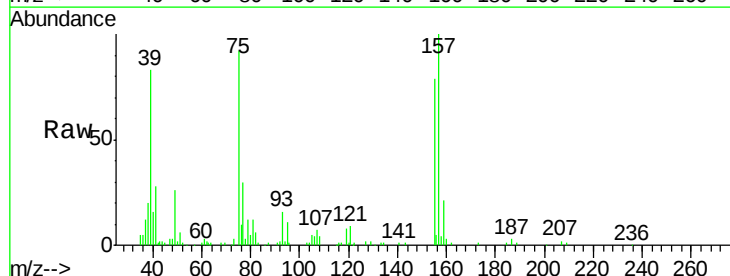
Manual Integrations
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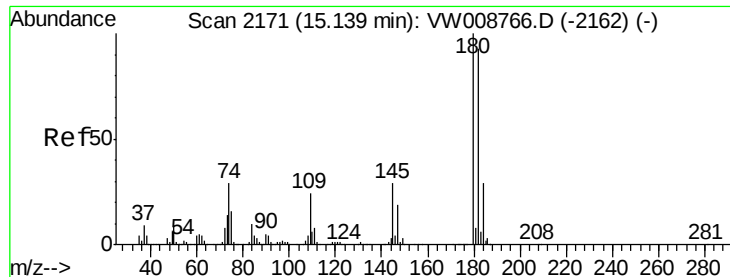
MMDadoda
 3/5/2019 4:05:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.868 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20826		
155	84.7	41.8	125.4	
157	108.1	56.6	169.9	





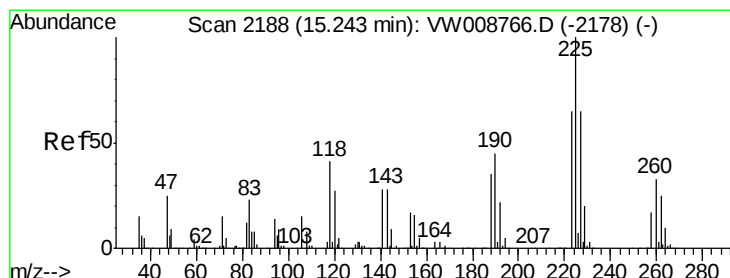
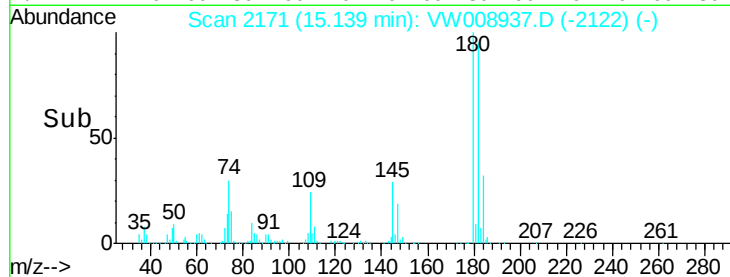
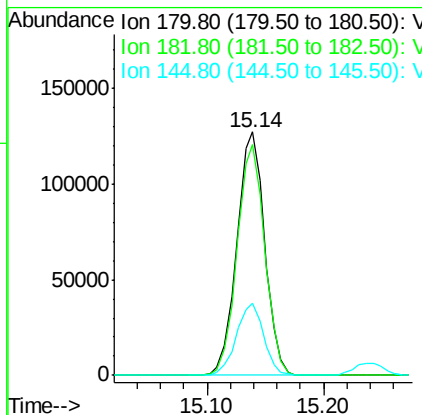
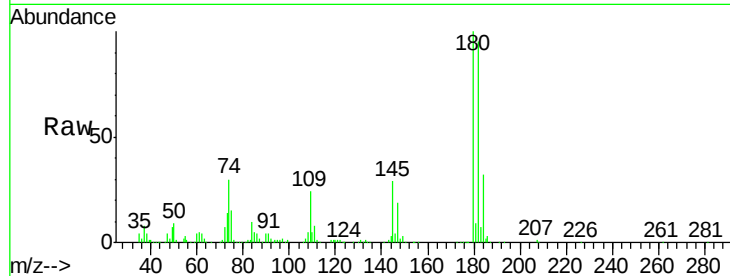
#93
 1,2,4-Trichlorobenzene
 Concen: 52.377 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	211711		
182	94.4	47.2	141.6	
145	29.1	14.4	43.0	

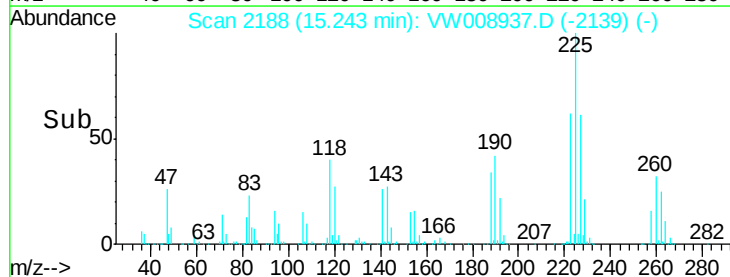
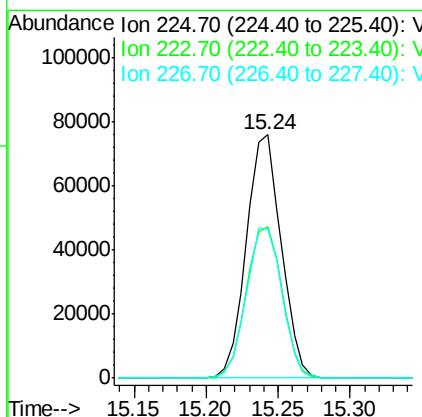
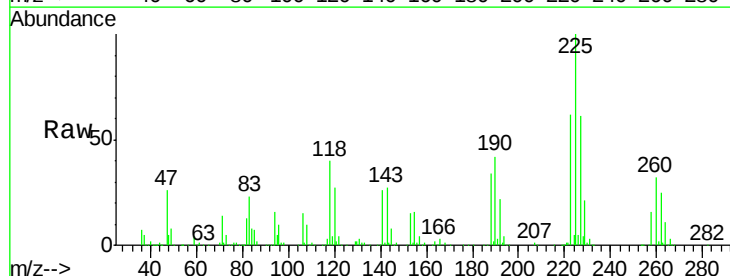
Manual Integrations
 APPROVED

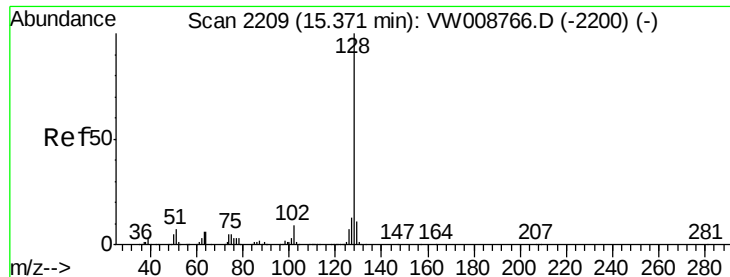
MMDadoda
 3/5/2019 4:05:18 AM



#94
 Hexachlorobutadiene
 Concen: 53.301 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008937.D
 Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126906		
223	63.8	31.5	94.5	
227	63.5	31.6	94.8	





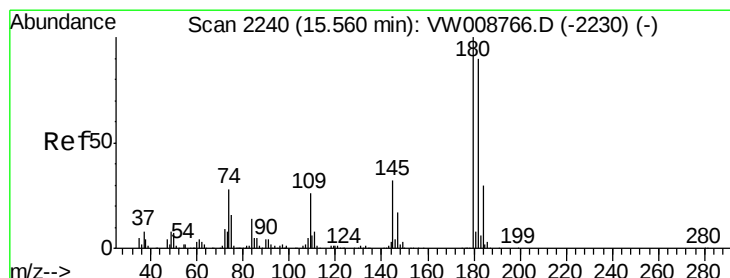
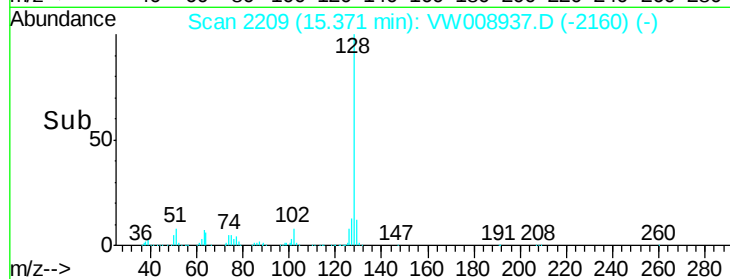
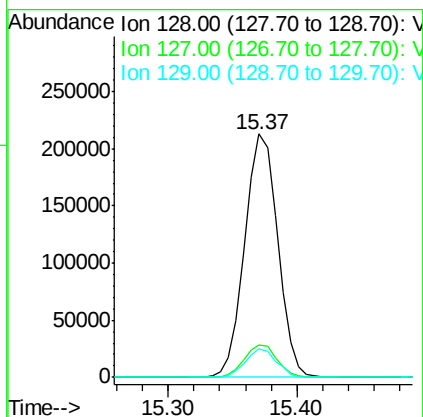
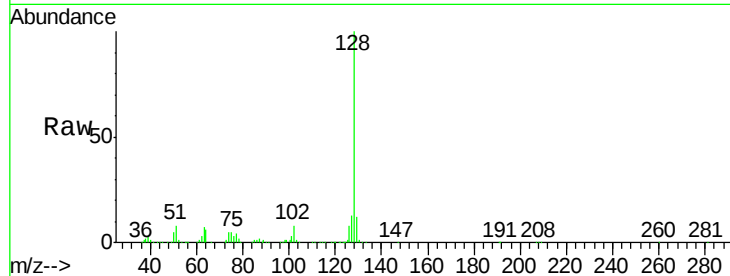
#95
Naphthalene
Concen: 54.678 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	376296		
127	13.4		10.8	16.2
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2019 4:05:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.114 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008937.D
Acq: 01 Mar 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	189122		
182	94.6		46.9	140.8
145	32.0		15.9	47.6

