

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051219\
 Data File : VW010398.D
 Acq On : 12 May 2019 10:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:27:05 PM

Quant Time: May 13 05:28:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1347518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2115923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1901709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	959792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	704318	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	7.88	113	645725	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.32	98	2609299	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	931569	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	521763	50.472	ug/l	100
3) Chloromethane	2.21	50	654491	47.448	ug/l	99
4) Vinyl Chloride	2.37	62	884833	51.616	ug/l	99
5) Bromomethane	2.78	94	495033	50.076	ug/l	99
6) Chloroethane	2.92	64	532048	53.667	ug/l	94
7) Trichlorofluoromethane	3.25	101	407535	47.488	ug/l	98
8) Diethyl Ether	3.67	74	402805	53.392	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	758252	53.922	ug/l	98
10) Methyl Iodide	4.26	142	1056689	53.064	ug/l	95
11) Tert butyl alcohol	5.17	59	185239	183.094	ug/l	98
12) 1,1-Dichloroethene	4.03	96	779757	53.067	ug/l	97
13) Acrolein	3.89	56	312431	233.903	ug/l	97
14) Allyl chloride	4.66	41	1236582	56.378	ug/l	92
15) Acrylonitrile	5.37	53	876923	209.711	ug/l	99
16) Acetone	4.12	43	857459	229.594	ug/l	95
17) Carbon Disulfide	4.38	76	2268466	51.045	ug/l	100
18) Methyl Acetate	4.67	43	365980	39.563	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	911694	52.121	ug/l	99
20) Methylene Chloride	4.91	84	804006	51.615	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	859430	54.337	ug/l	98
22) Diisopropyl ether	6.31	45	2521517	59.235	ug/l	93
23) Vinyl Acetate	6.25	43	7709430	263.757	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1595763	55.680	ug/l	99
25) 2-Butanone	7.17	43	1182801	207.025	ug/l	97
26) 2,2-Dichloropropane	7.17	77	815021	57.157	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	910190	55.957	ug/l	97
28) Bromochloromethane	7.51	49	534649	50.600	ug/l	99
29) Tetrahydrofuran	7.53	42	745888	201.843	ug/l	96
30) Chloroform	7.67	83	1523562	56.804	ug/l	98
31) Cyclohexane	7.95	56	1526358	52.015	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1150005	55.354	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1276283	55.630	ug/l	100
37) Ethyl Acetate	7.25	43	520655	42.623	ug/l	98
38) Carbon Tetrachloride	8.06	117	1096672	55.763	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1584642	56.462	ug/l	98
40) Benzene	8.32	78	3505682	55.795	ug/l	100
41) Methacrylonitrile	7.48	41	305685	44.622	ug/l	95
42) 1,2-Dichloroethane	8.40	62	992745	55.200	ug/l	97
43) Isopropyl Acetate	8.42	43	930222	45.917	ug/l	96
44) Trichloroethene	9.09	130	873372	55.524	ug/l	99
45) 1,2-Dichloropropane	9.37	63	890855	57.040	ug/l	99
46) Dibromomethane	9.46	93	420848	52.160	ug/l	98
47) Bromodichloromethane	9.64	83	1113967	57.557	ug/l	99
48) Methyl methacrylate	9.43	41	457691	47.781	ug/l	87
49) 1,4-Dioxane	9.45	88	116598	828.667	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2573023	221.496	ug/l	95
52) Toluene	10.38	92	2210579	57.562	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	1122988	57.283	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1352649	58.260	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	607695	53.029	ug/l	97
56) Ethyl methacrylate	10.65	69	810848	53.581	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1100717	53.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1758564	242.711	ug/l	100
59) 2-Hexanone	10.97	43	1883772	229.356	ug/l	93
60) Dibromochloromethane	11.13	129	690313	55.980	ug/l	100
61) 1,2-Dibromoethane	11.24	107	565527	51.407	ug/l	99
64) Tetrachloroethene	10.86	164	714271	53.738	ug/l	98
65) Chlorobenzene	11.66	112	2230694	56.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	762710	57.324	ug/l	97
67) Ethyl Benzene	11.73	91	4266855	58.919	ug/l	99
68) m/p-Xylenes	11.84	106	3165486	117.646	ug/l	99
69) o-Xylene	12.16	106	1454523	59.758	ug/l	98
70) Styrene	12.18	104	2561321	60.393	ug/l	99
71) Bromoform	12.35	173	379716	49.924	ug/l #	99
73) Isopropylbenzene	12.46	105	4115509	58.827	ug/l	100
74) N-amyl acetate	12.27	43	897853	49.677	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	708071	45.935	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	506469m	45.259	ug/l	
77) Bromobenzene	12.75	156	890630	56.382	ug/l	99
78) n-propylbenzene	12.80	91	5048076	58.423	ug/l	100
79) 2-Chlorotoluene	12.90	91	2829608	57.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3500875	59.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	223130	45.029	ug/l	95
82) 4-Chlorotoluene	12.99	91	2966963	57.547	ug/l	99
83) tert-Butylbenzene	13.21	119	2891306	58.774	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3483164	59.431	ug/l	100
85) sec-Butylbenzene	13.38	105	4252959	58.563	ug/l	100
86) p-Isopropyltoluene	13.50	119	3838222	59.526	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1800230	57.072	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1758027	56.162	ug/l	99
89) n-Butylbenzene	13.83	91	3857634	59.667	ug/l	98
90) Hexachloroethane	14.10	117	675021	56.443	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1555610	55.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	111198	40.060	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1126438	59.110	ug/l	99
94) Hexachlorobutadiene	15.24	225	705236	57.727	ug/l	99
95) Naphthalene	15.37	128	1988851	45.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	984954	57.212	ug/l	99

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

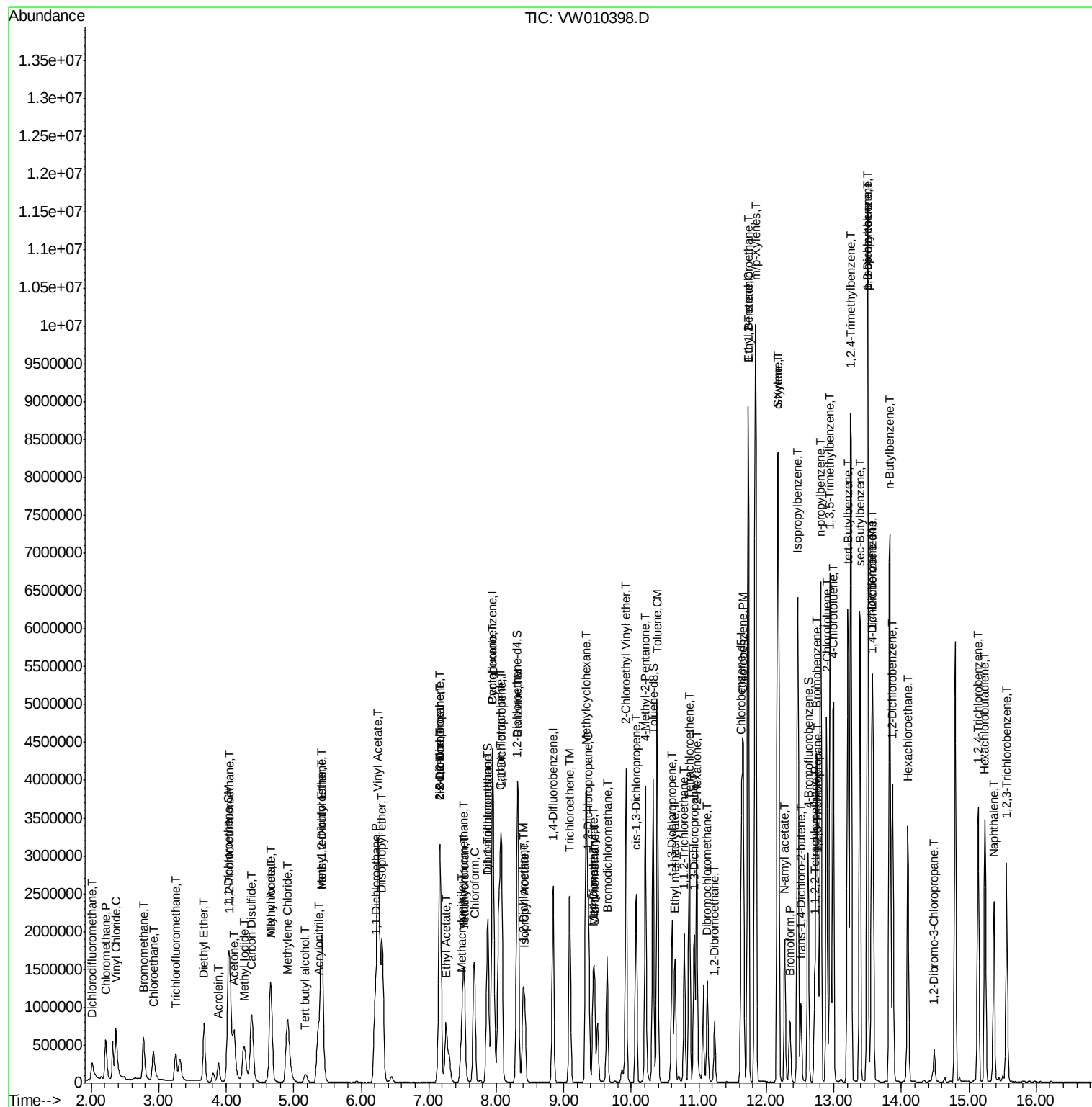
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051219\
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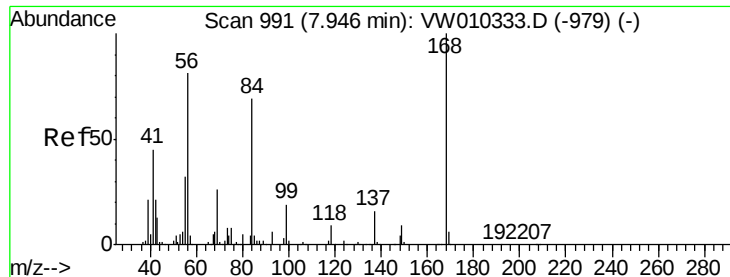
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1347518

Ion Ratio Lower Upper

168 100

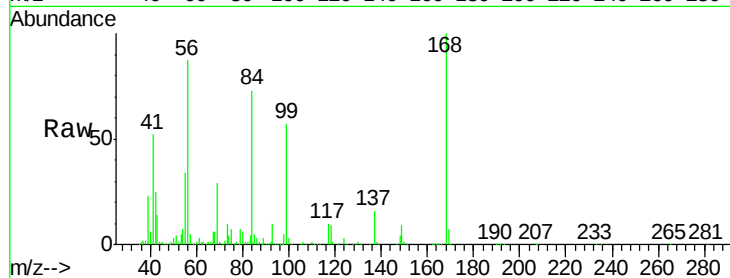
99 57.4 48.4 72.6

Manual Integrations

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5/13/2019 12:27:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

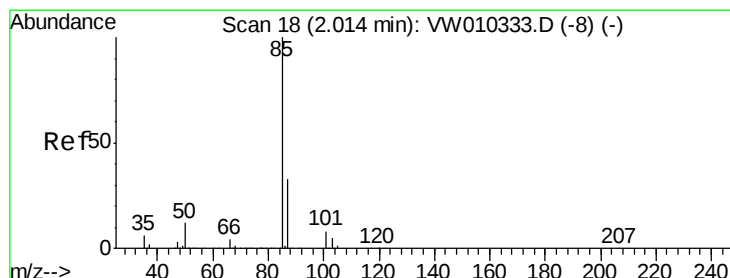
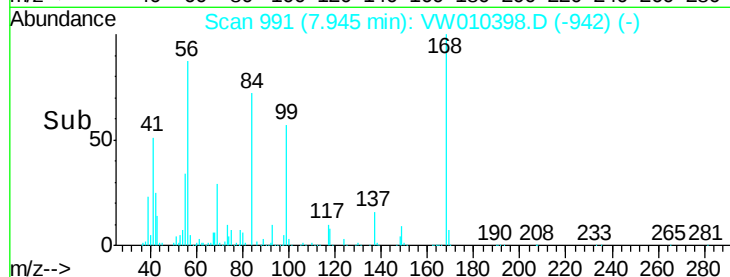
400000

200000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.472 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010398.D

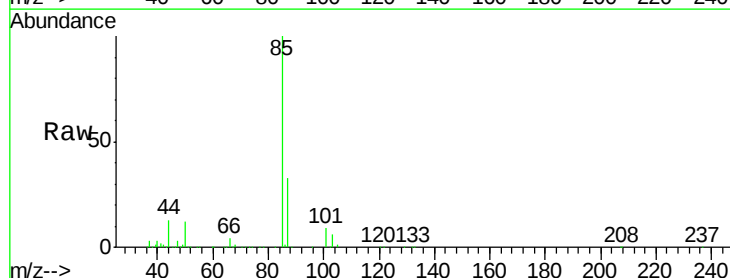
Acq: 12 May 2019 10:04

Tgt Ion: 85 Resp: 521763

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150000

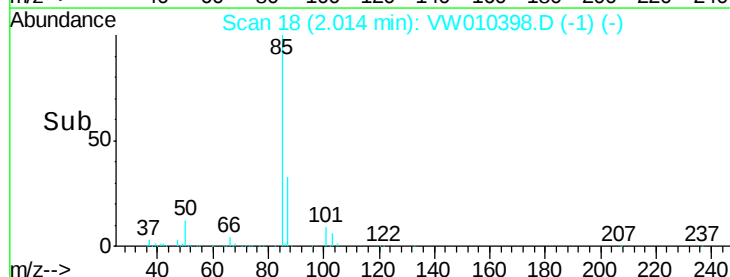
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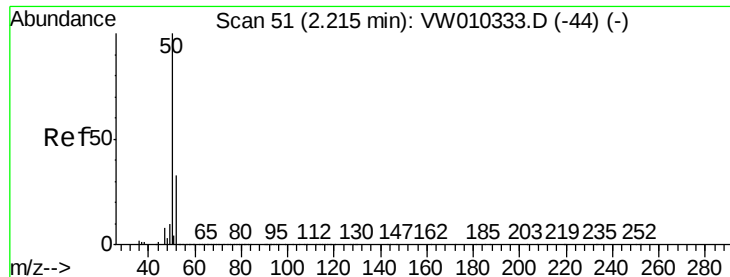
50000

0

1.80 2.00 2.20 2.40

Time-->





#3

Chloromethane

Concen: 47.448 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 654491

Ion Ratio Lower Upper

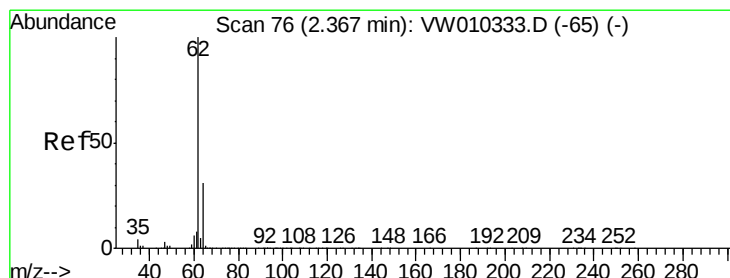
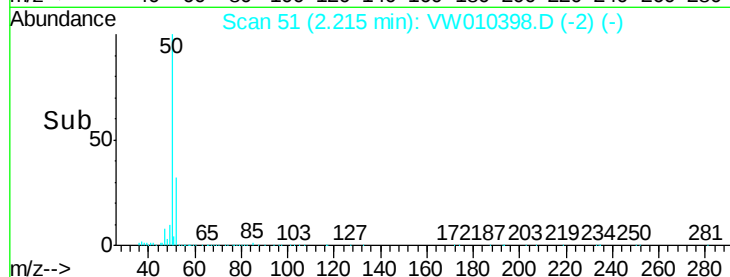
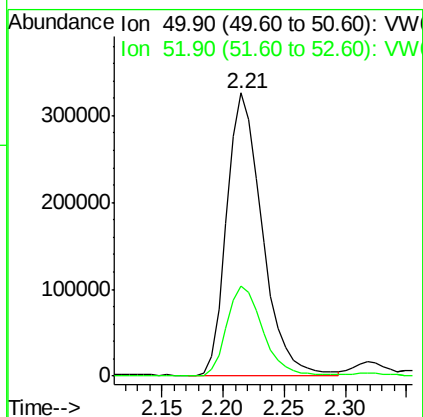
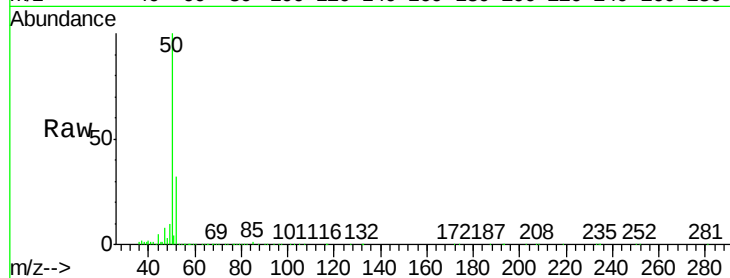
50 100

52 31.8 25.0 37.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.616 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010398.D

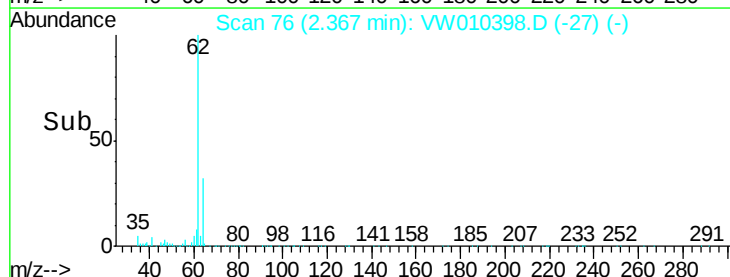
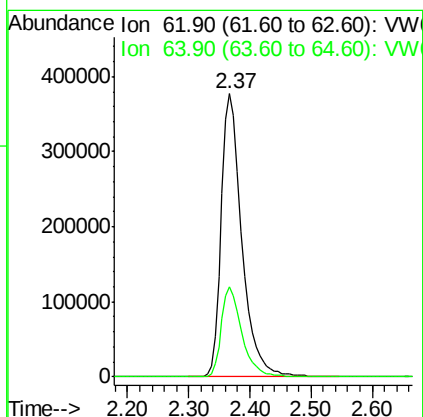
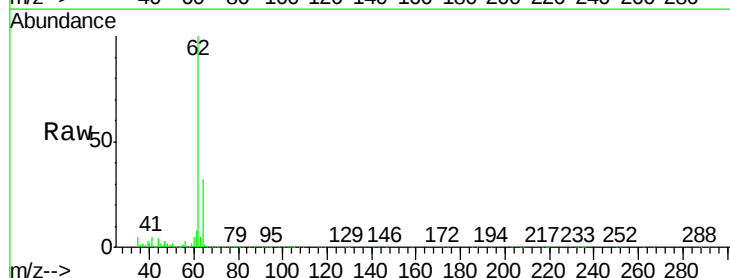
Acq: 12 May 2019 10:04

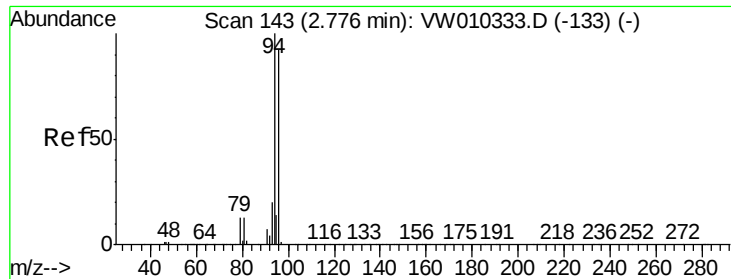
Tgt Ion: 62 Resp: 884833

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 50.076 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 495033

Ion Ratio Lower Upper

94 100

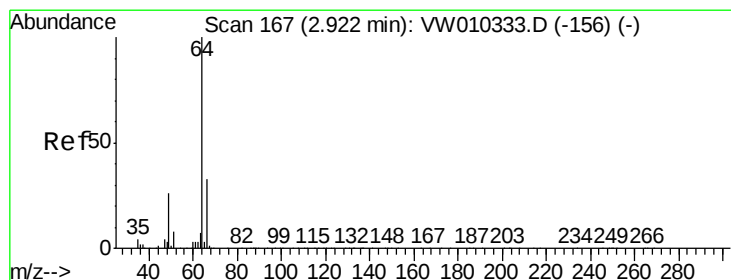
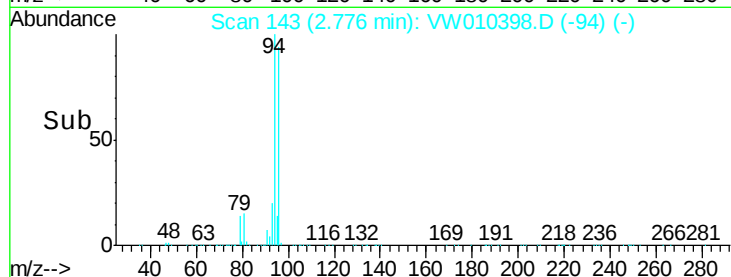
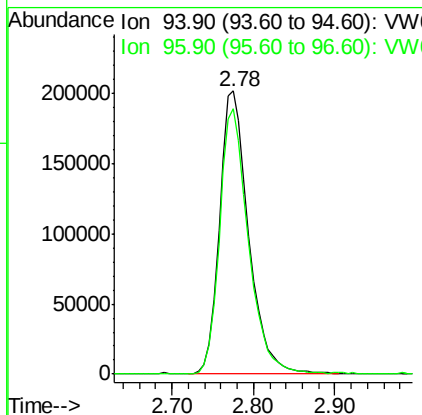
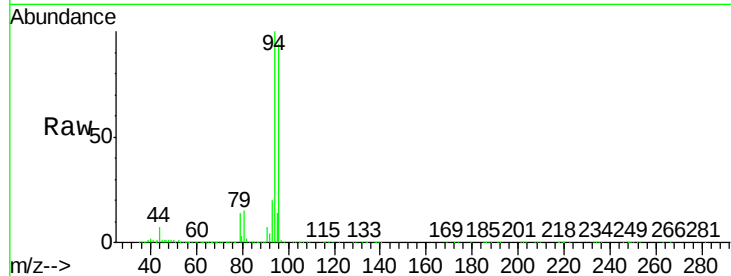
96 93.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 53.667 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010398.D

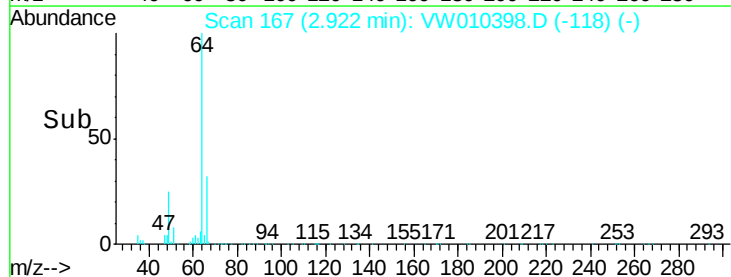
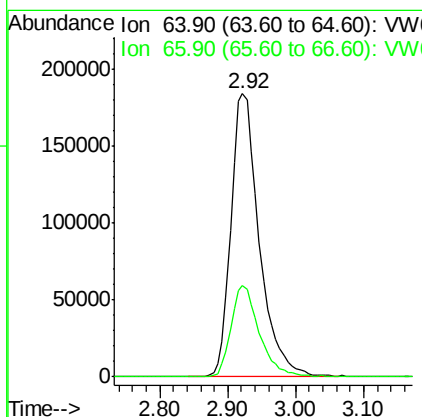
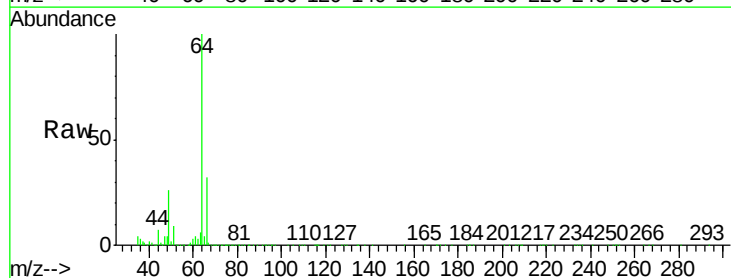
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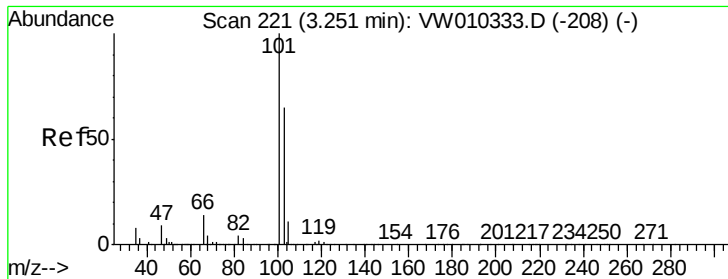
Tgt Ion: 64 Resp: 532048

Ion Ratio Lower Upper

64 100

66 32.3 23.4 35.0





#7

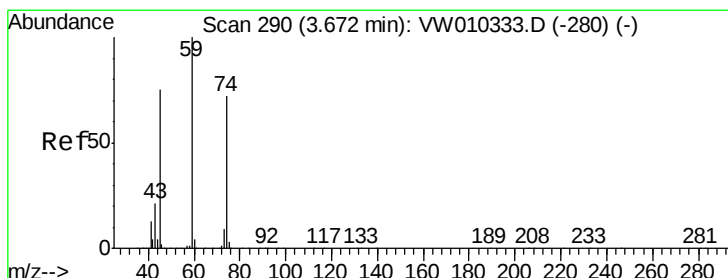
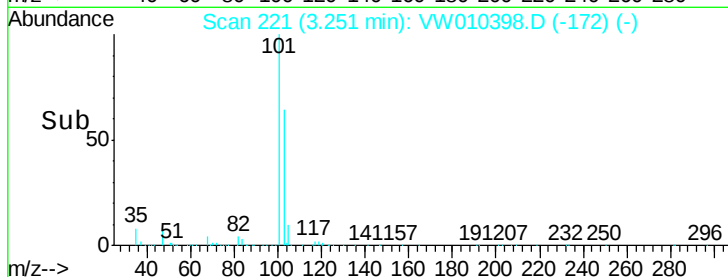
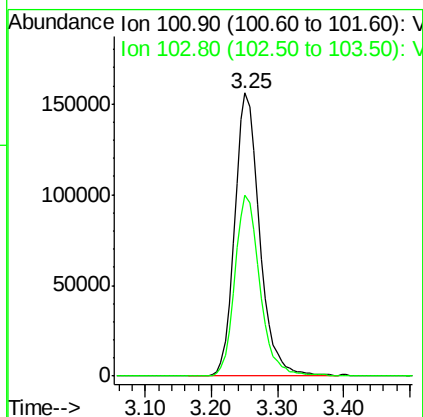
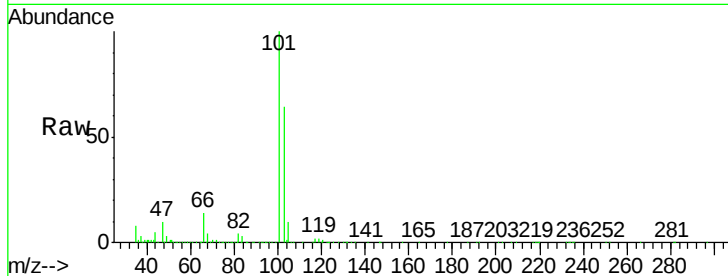
Trichlorofluoromethane
Concen: 47.488 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	407535		
103	64.1	49.8	74.6	

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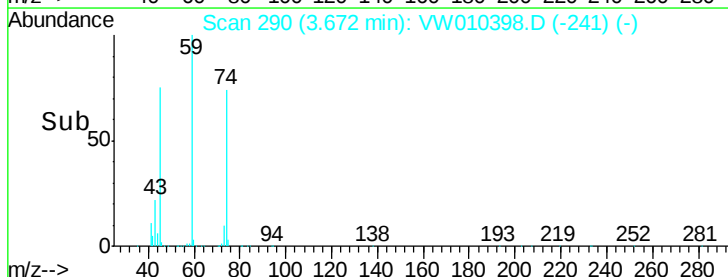
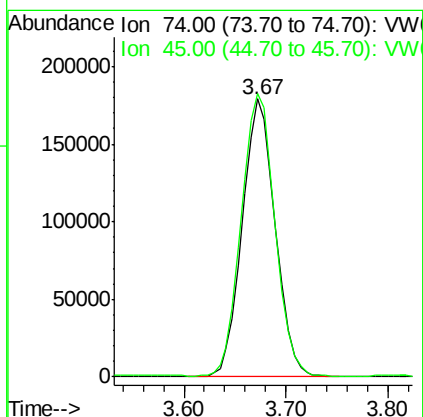
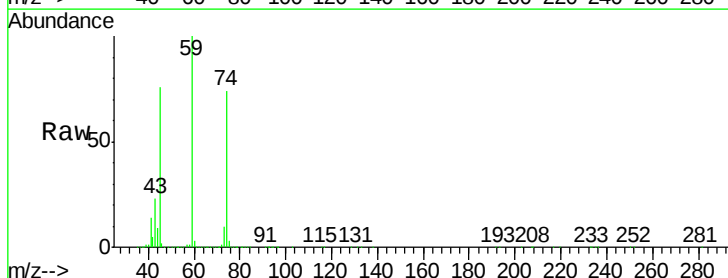
MMDadoda
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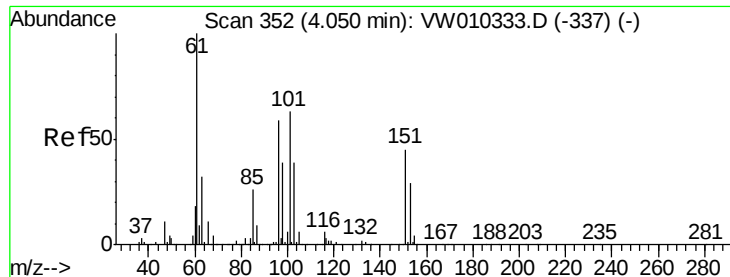


#8

Diethyl Ether
Concen: 53.392 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010398.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	402805		
45	103.5	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.922 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

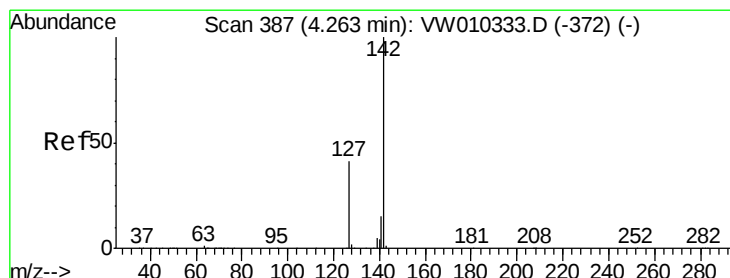
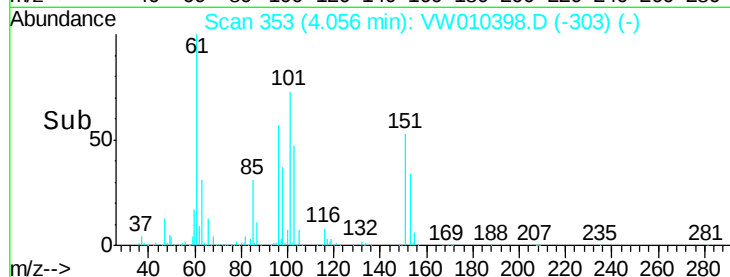
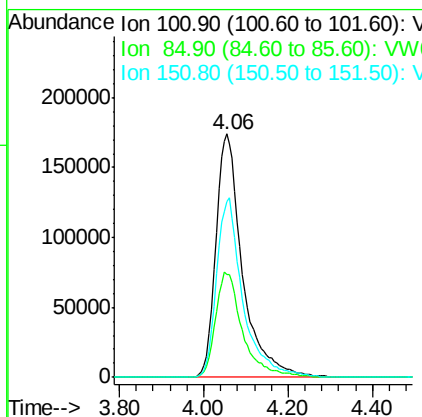
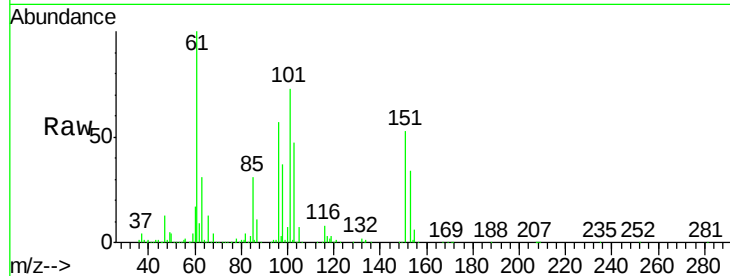
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	758252
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.3	54.5
151	72.9	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 53.064 ug/l

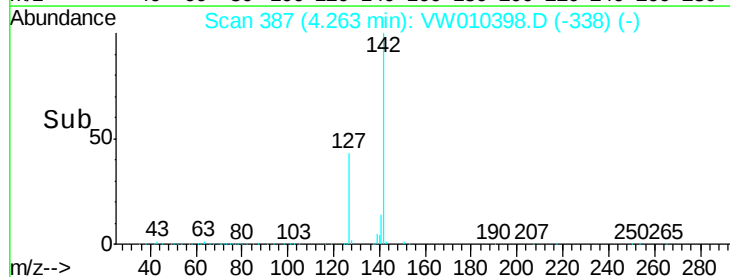
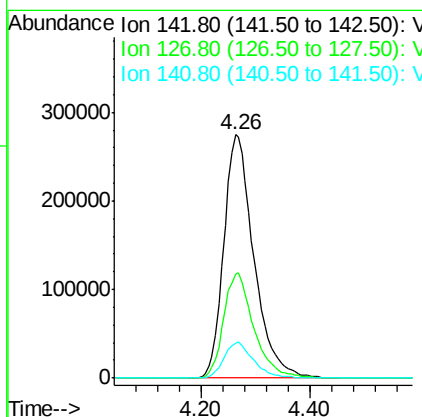
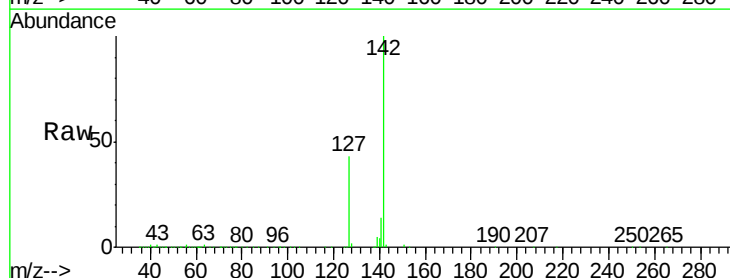
RT: 4.26 min Scan# 387

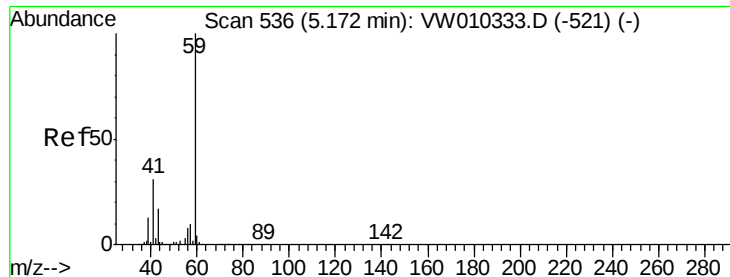
Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion:	142	Resp:	1056689
Ion Ratio	Lower	Upper	
142	100		
127	43.3	38.1	57.1
141	14.5	12.2	18.2





#11

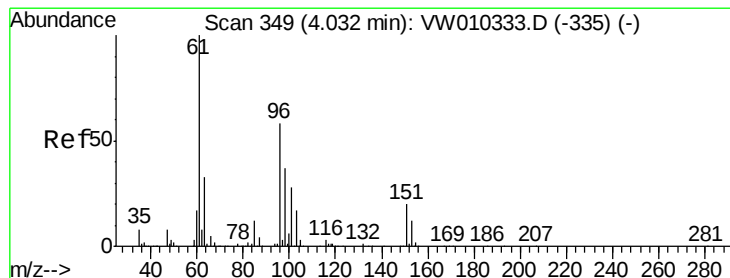
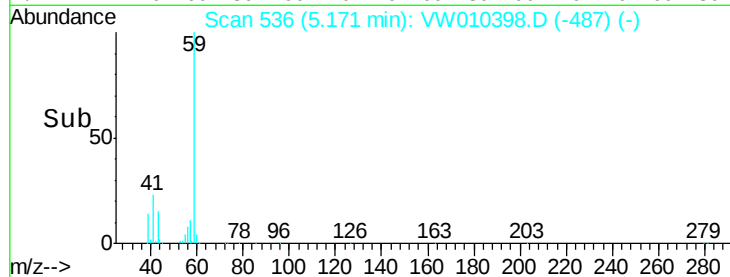
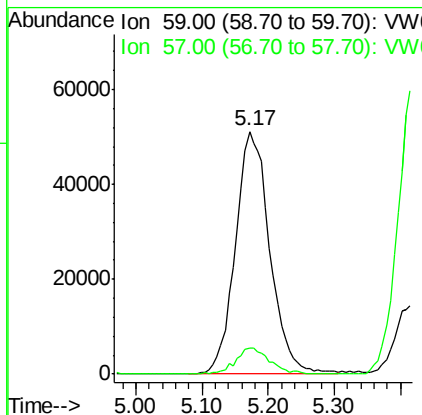
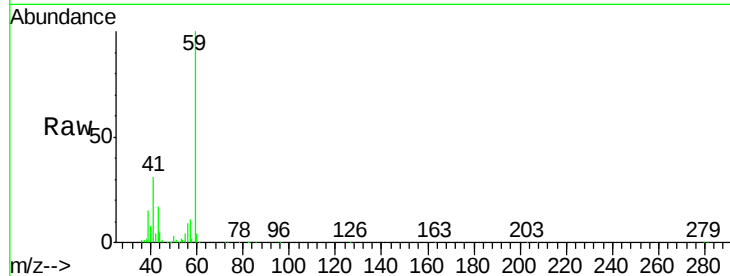
Tert butyl alcohol
 Concen: 183.094 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

Manual Integrations
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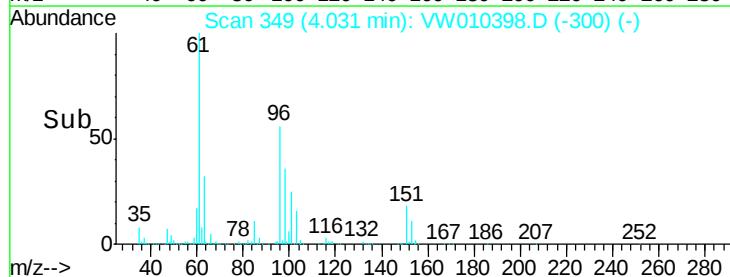
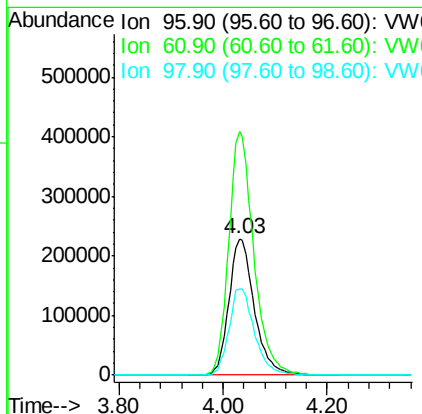
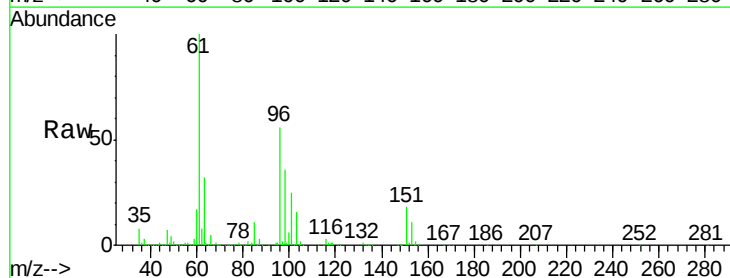
MMDadoda
 5/13/2019 12:27:05 PM

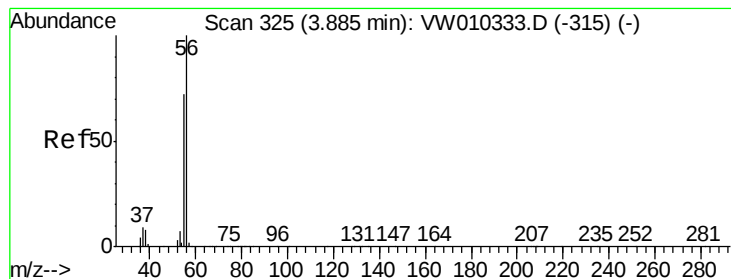


#12

1,1-Dichloroethene
 Concen: 53.067 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.9	147.4	221.2
98	63.6	49.7	74.5





#13

Acrolein

Concen: 233.903 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 312431

Ion Ratio Lower Upper

56 100

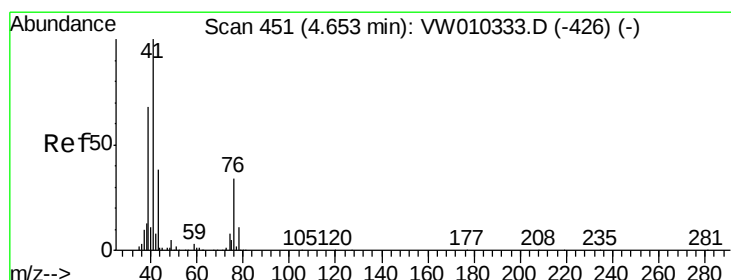
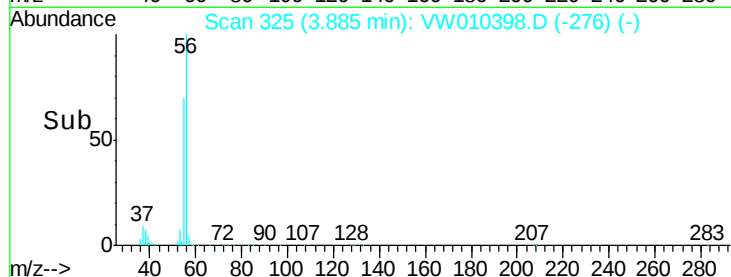
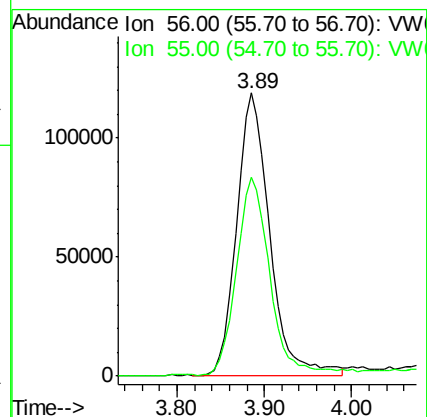
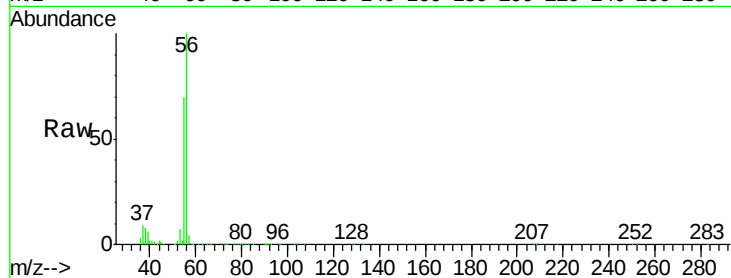
55 69.9 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 56.378 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

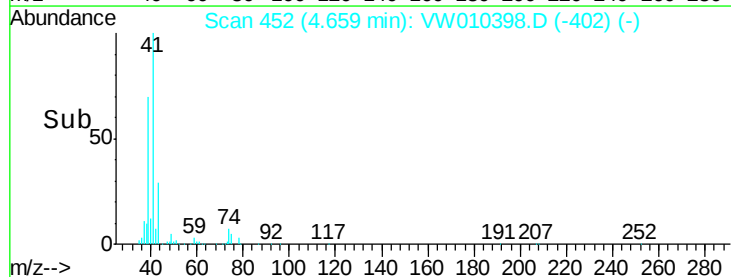
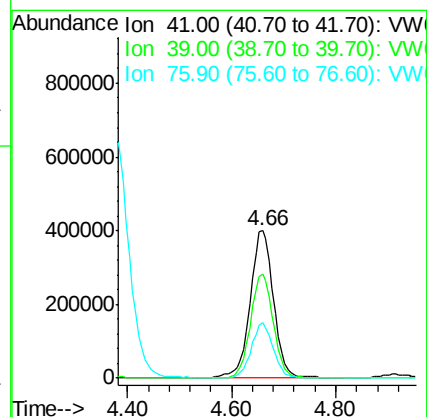
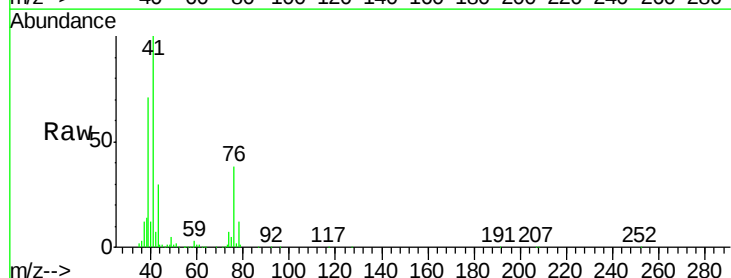
Tgt Ion: 41 Resp: 1236582

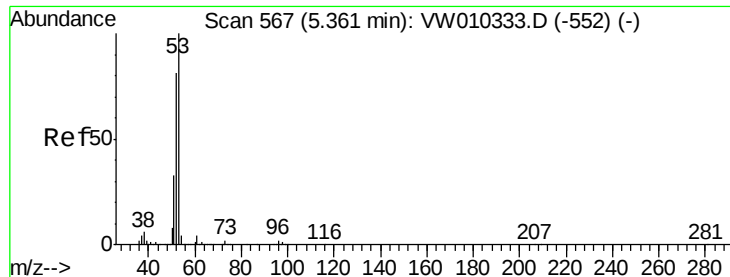
Ion Ratio Lower Upper

41 100

39 68.1 60.2 90.4

76 35.0 25.0 37.6





#15

Acrylonitrile

Concen: 209.711 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

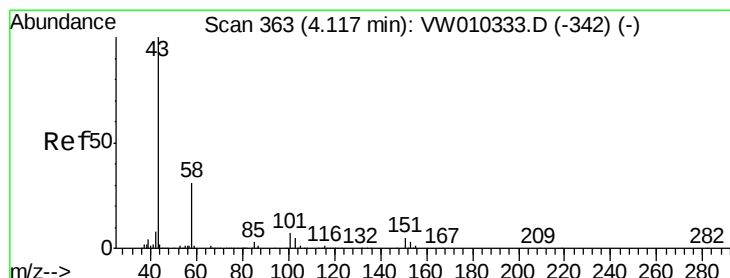
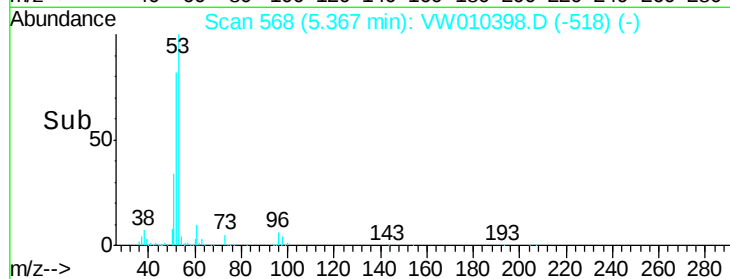
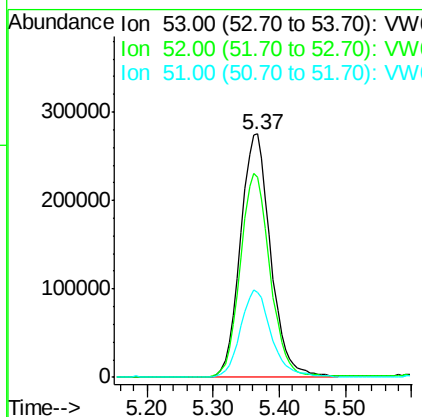
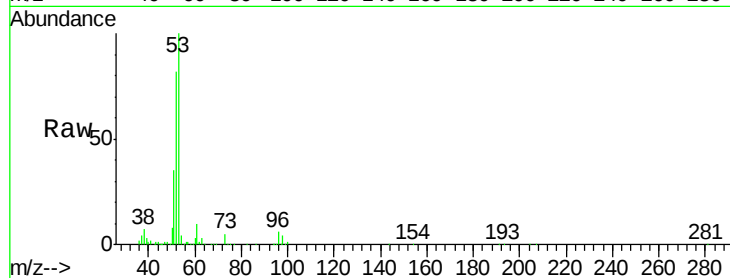
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	876923
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	36.6	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 229.594 ug/l

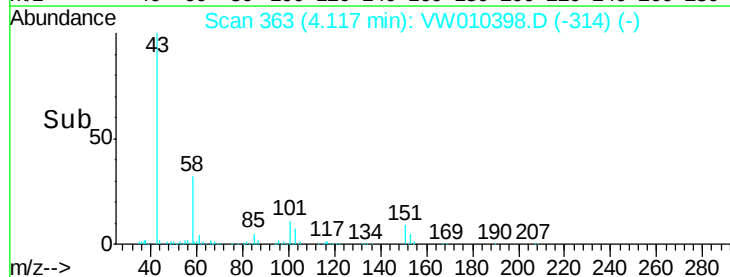
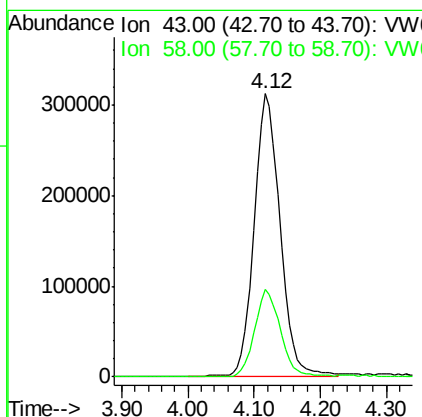
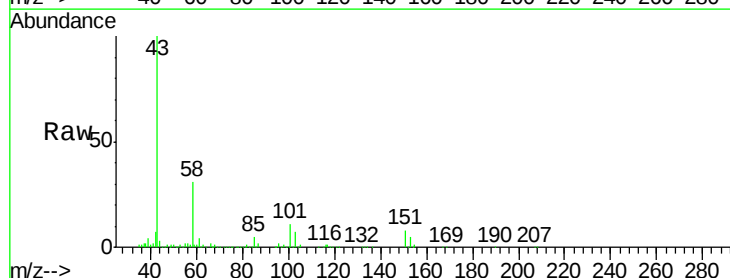
RT: 4.12 min Scan# 363

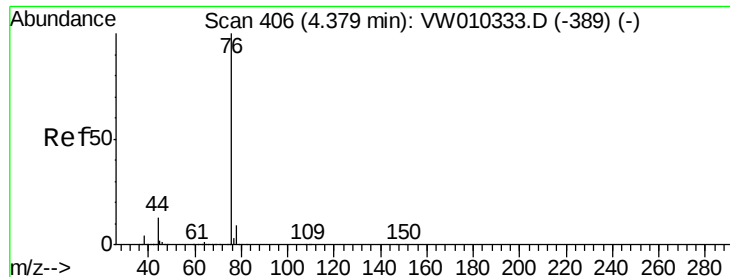
Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion:	43	Resp:	857459
Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.7	34.1





#17

Carbon Disulfide

Concen: 51.045 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 2268466

Ion Ratio Lower Upper

76 100

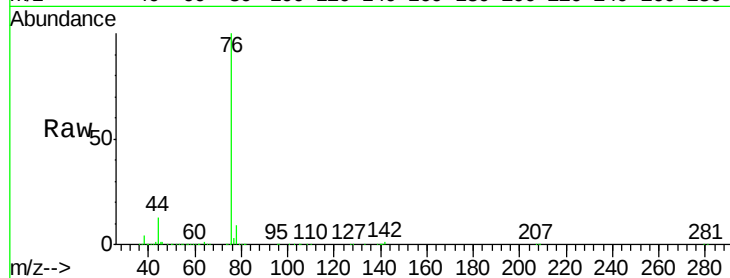
78 9.4 7.4 11.2

Manual Integrations

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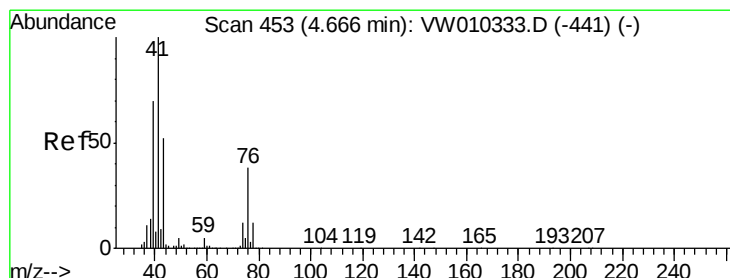
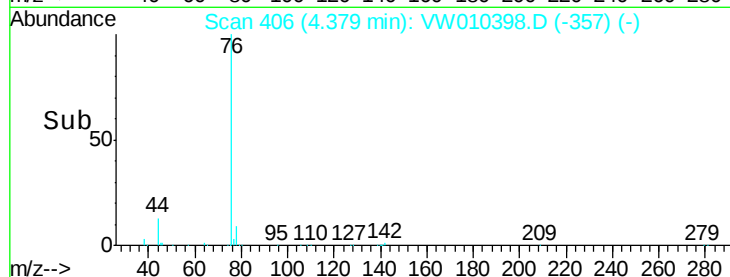
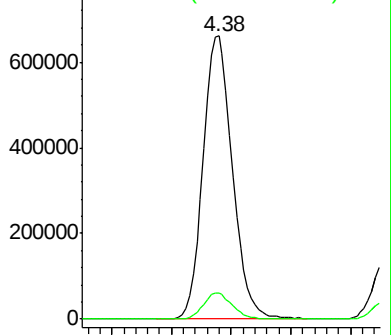
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 39.563 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010398.D

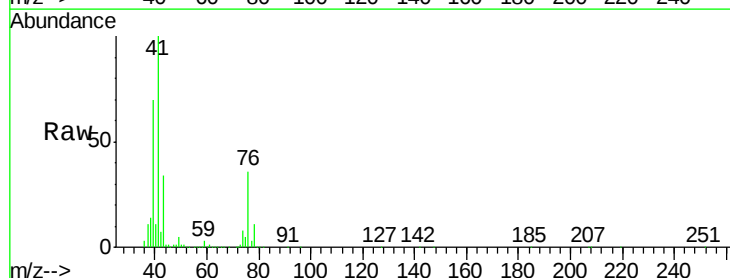
Acq: 12 May 2019 10:04

Tgt Ion: 43 Resp: 365980

Ion Ratio Lower Upper

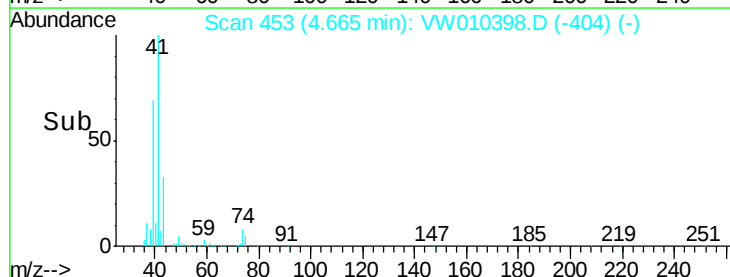
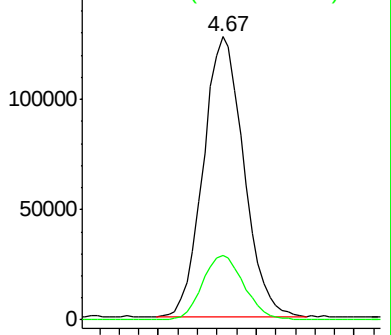
43 100

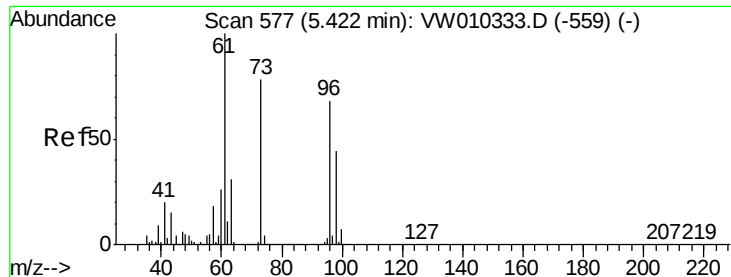
74 23.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





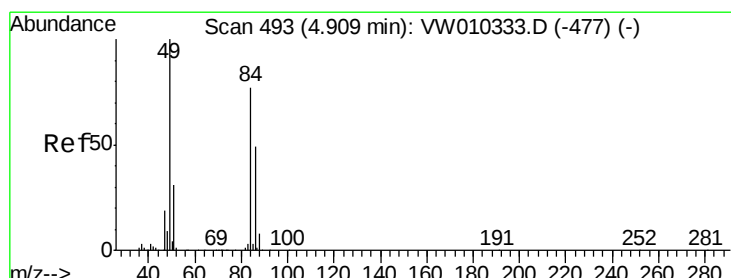
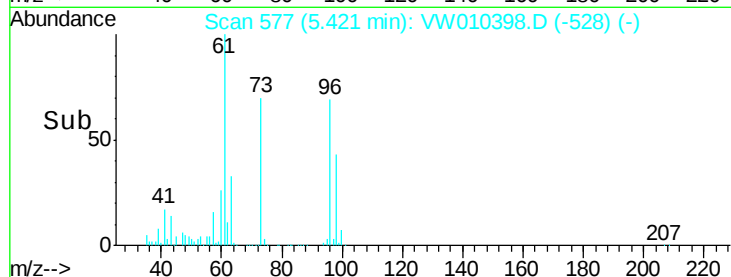
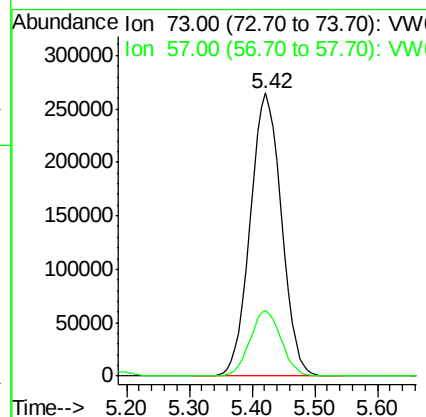
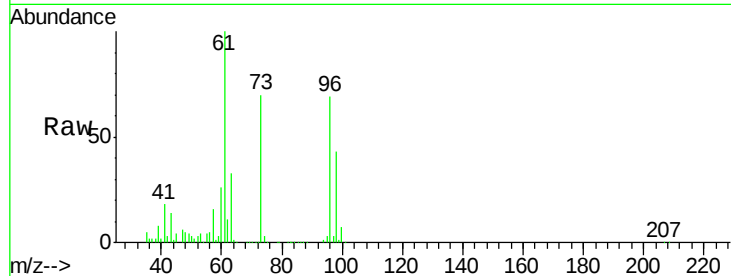
#19
Methvl tert-butvl Ether
Concen: 52.121 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 911694
Ion Ratio Lower Upper
73 100
57 23.4 18.5 27.7

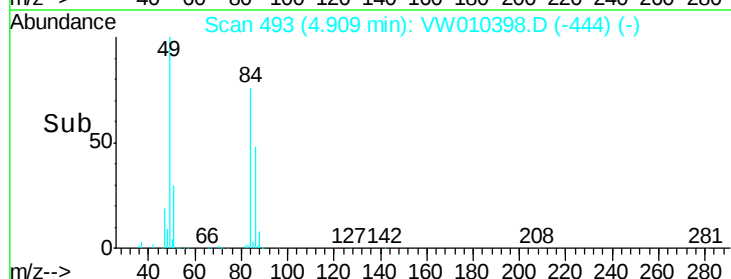
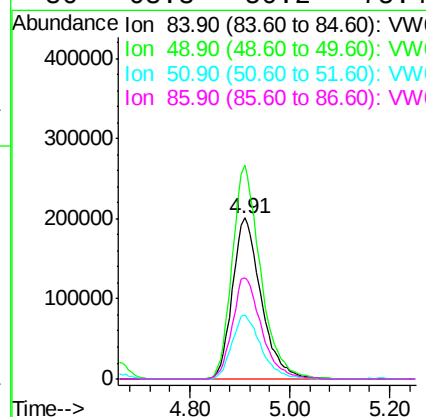
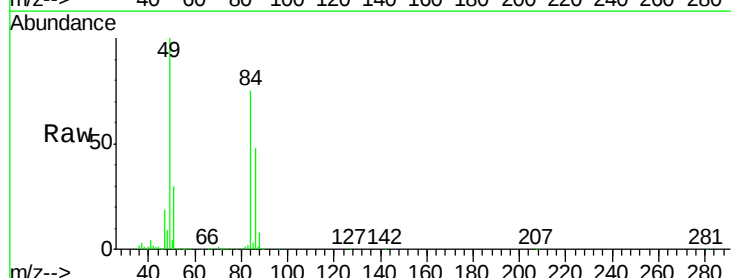
Manual Integrations
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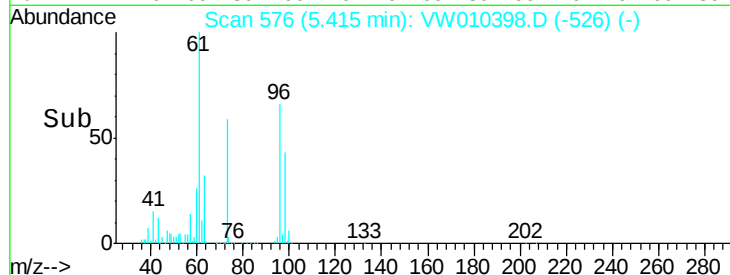
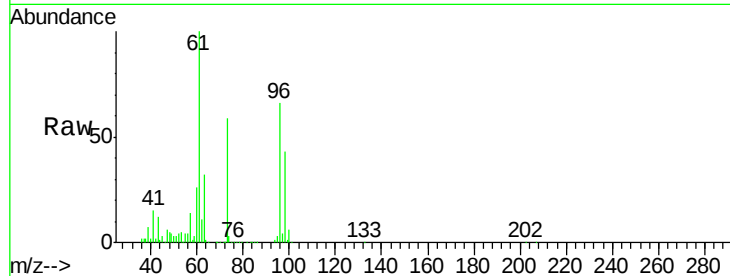
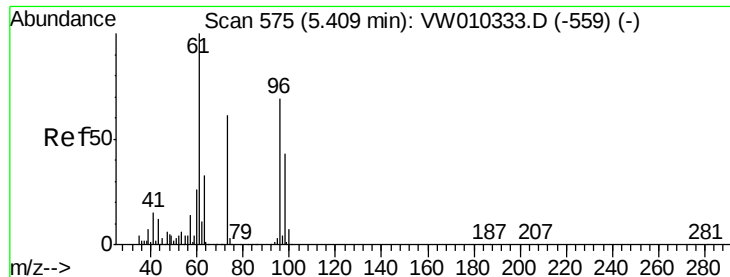
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#20
Methylene Chloride
Concen: 51.615 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 84 Resp: 804006
Ion Ratio Lower Upper
84 100
49 132.8 112.3 168.5
51 39.8 33.9 50.9
86 63.3 50.2 75.4





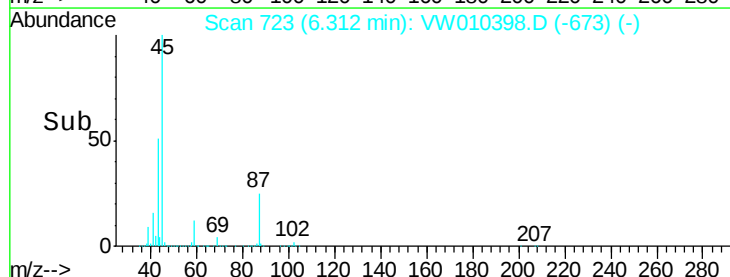
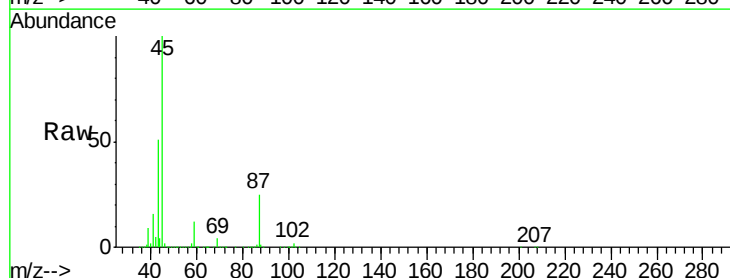
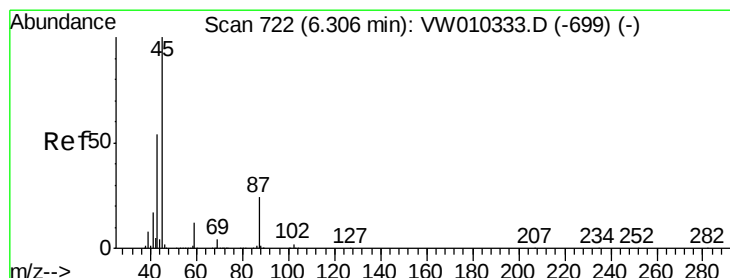
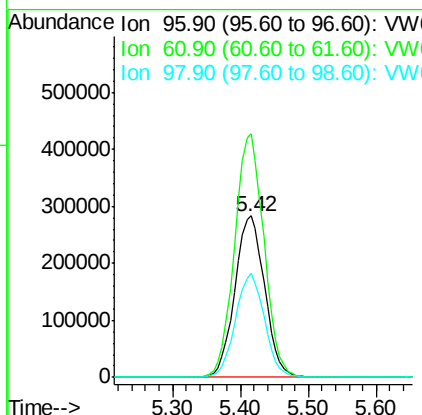
#21
trans-1,2-Dichloroethene
Concen: 54.337 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		859430		
61	150.9	122.3	183.5		
98	64.2	50.5	75.7		

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

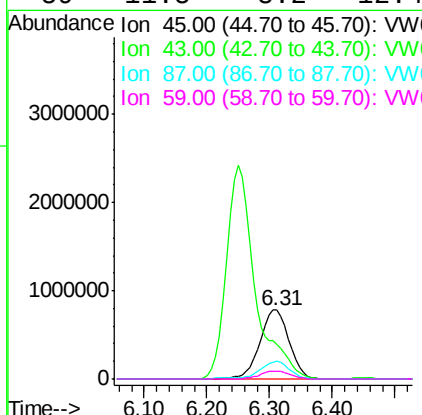
Manual Integrations
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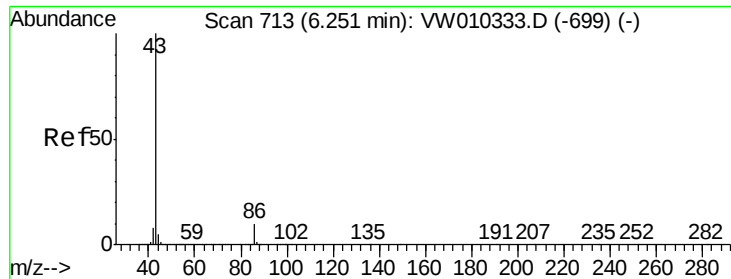
MMDadoda
5/13/2019 12:27:05 PM



#22
Diisopropyl ether
Concen: 59.235 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		2521517		
43	51.0	46.1	69.1		
87	25.3	18.3	27.5		
59	11.5	8.2	12.4		





#23

Vinyl Acetate

Concen: 263.757 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 7709430

Ion Ratio Lower Upper

43 100

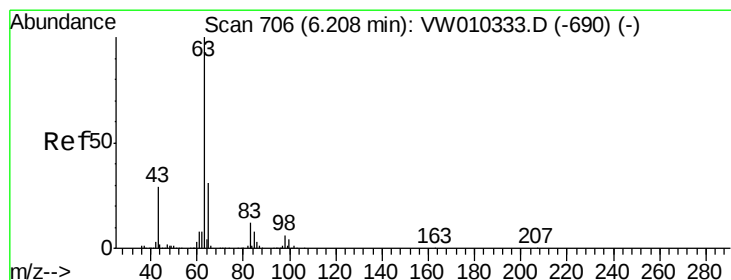
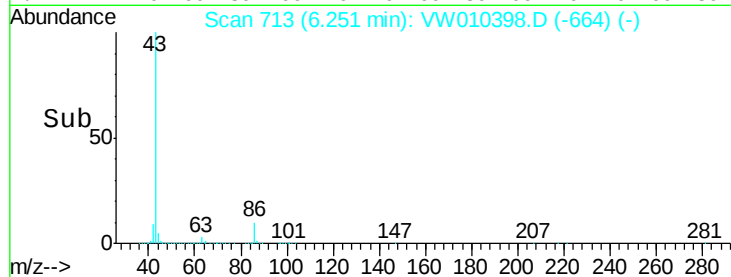
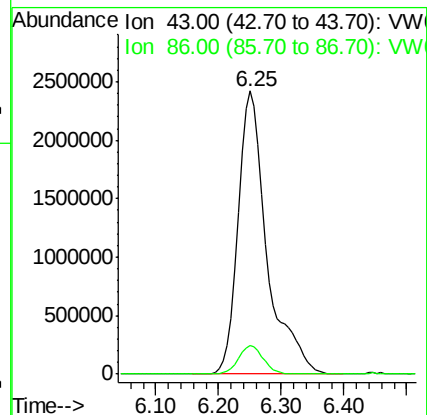
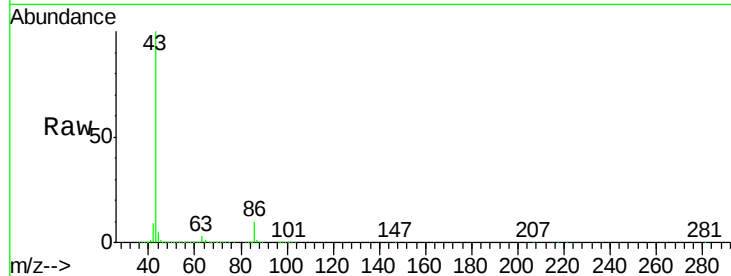
86 10.1 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

5/13/2019 12:27:05 PM



#24

1,1-Dichloroethane

Concen: 55.680 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

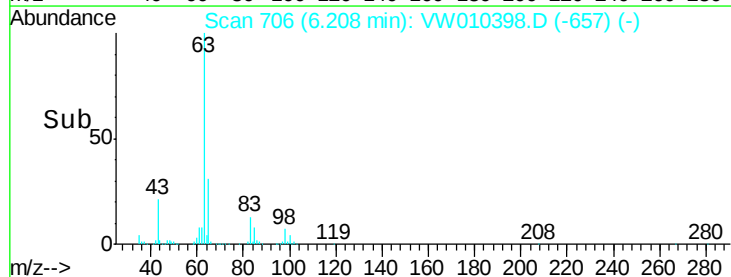
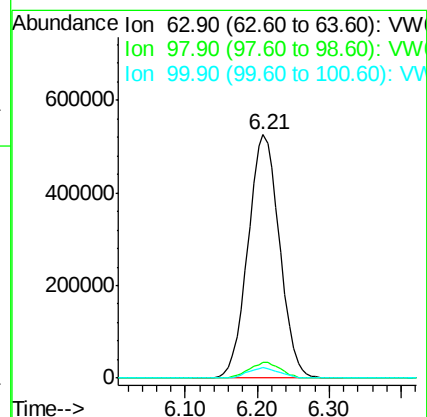
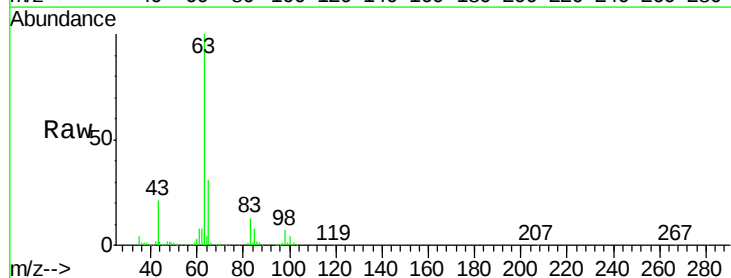
Tgt Ion: 63 Resp: 1595763

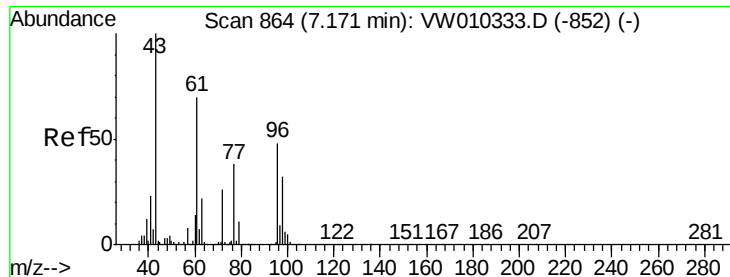
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 207.025 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1182801

Ion Ratio Lower Upper

43 100

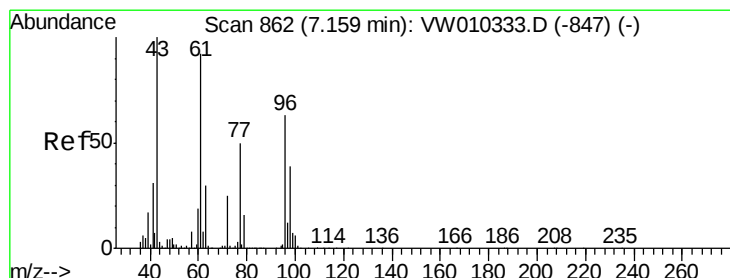
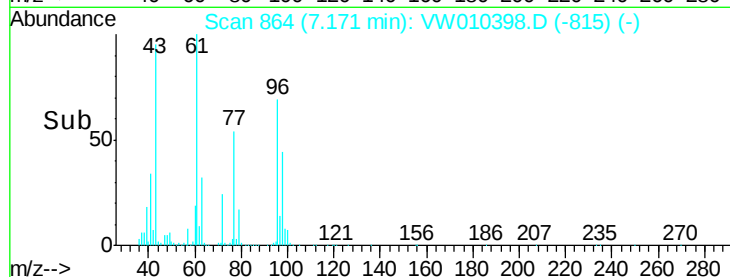
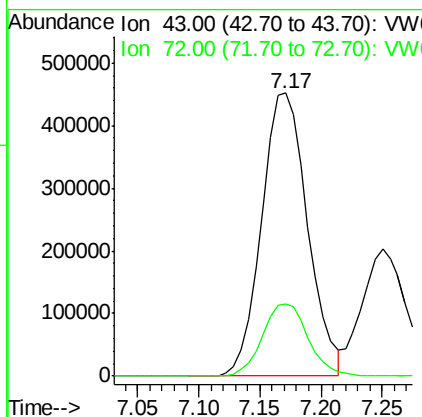
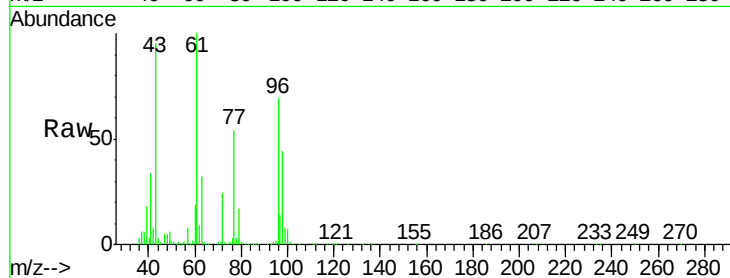
72 25.3 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.157 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010398.D

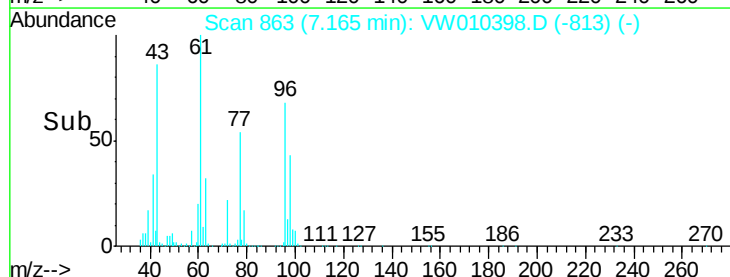
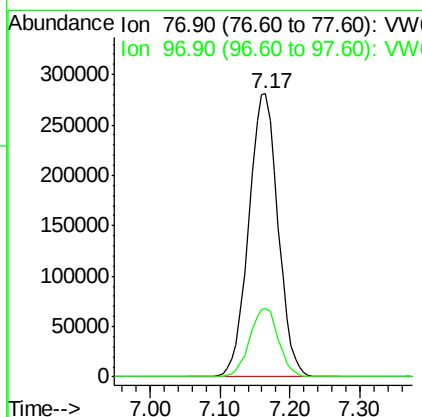
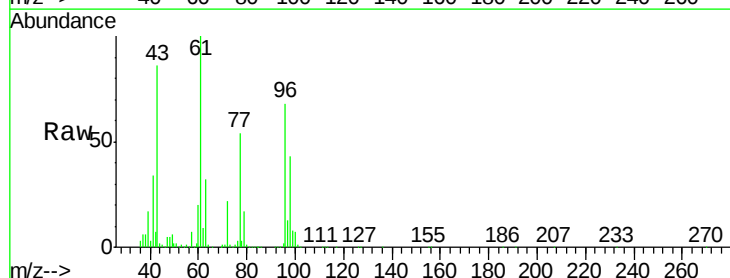
Acq: 12 May 2019 10:04

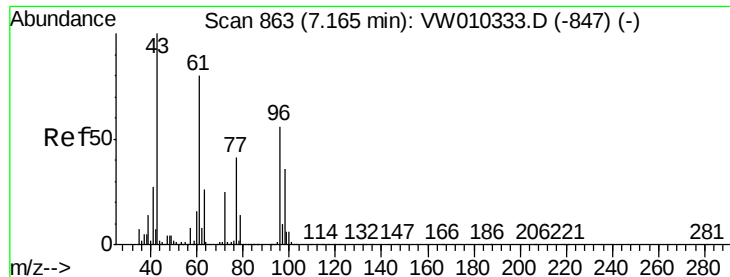
Tgt Ion: 77 Resp: 815021

Ion Ratio Lower Upper

77 100

97 23.8 11.3 33.9





#27

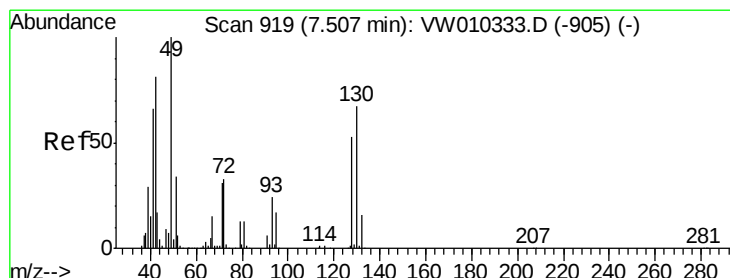
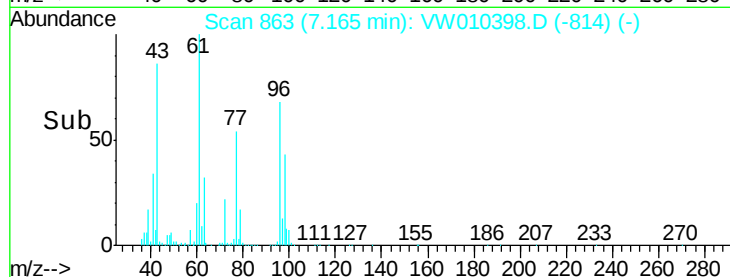
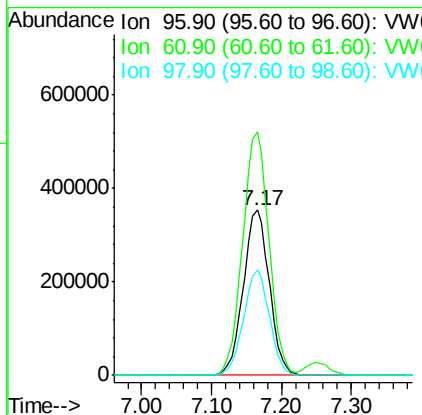
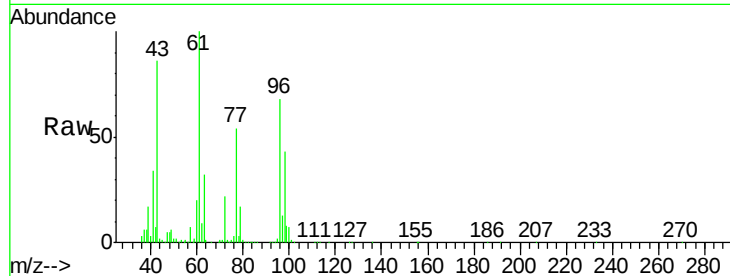
cis-1,2-Dichloroethene
Concen: 55.957 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.6	0.0	309.4	
98	63.9	0.0	128.6	

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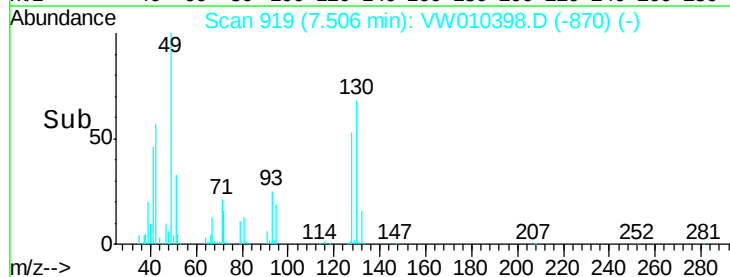
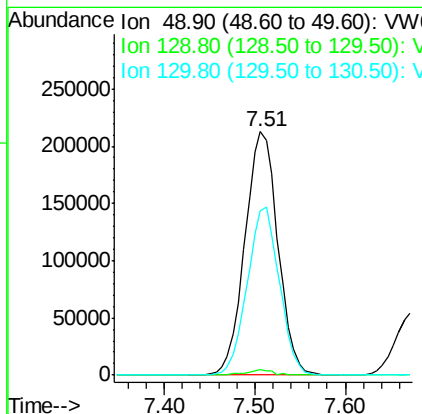
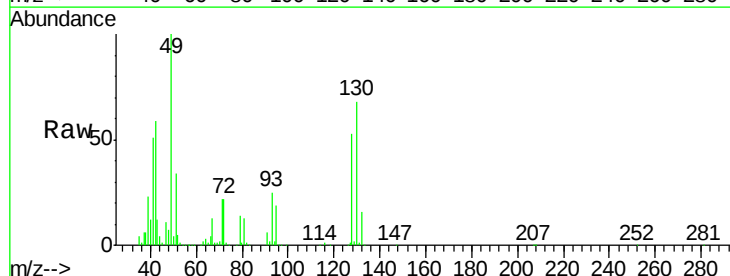
MMDadoda
5/13/2019 12:27:05 PM

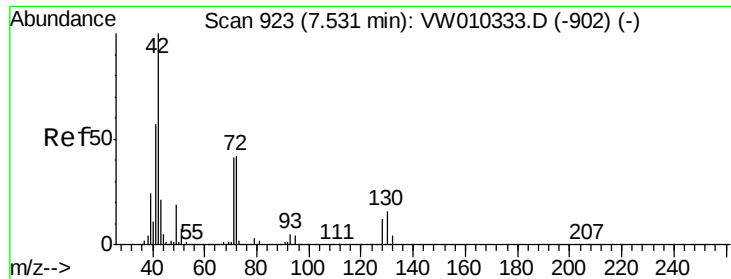


#28

Bromochloromethane
Concen: 50.600 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	67.3	54.6	82.0	





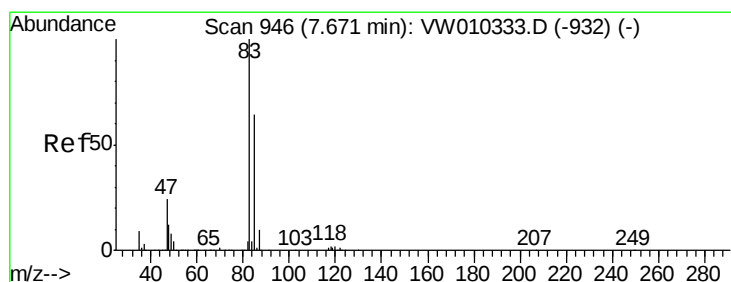
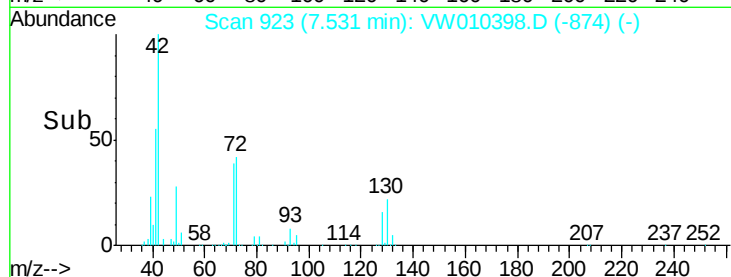
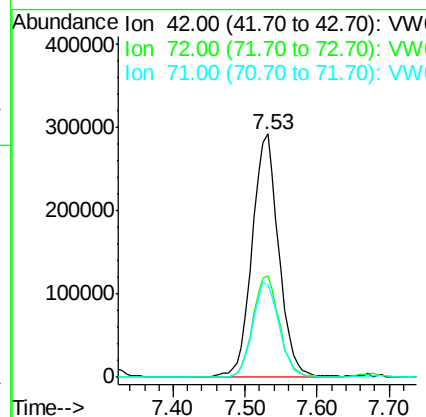
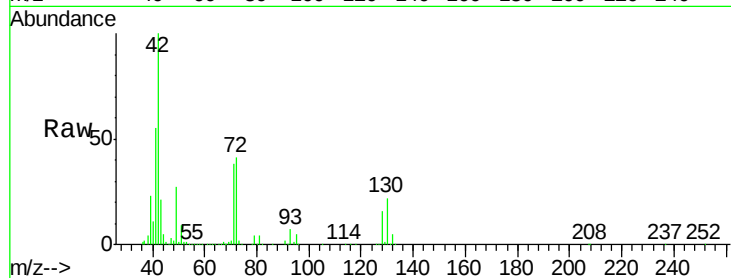
#29
Tetrahydrofuran
Concen: 201.843 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	31.0	46.6
71	39.1	29.7	44.5

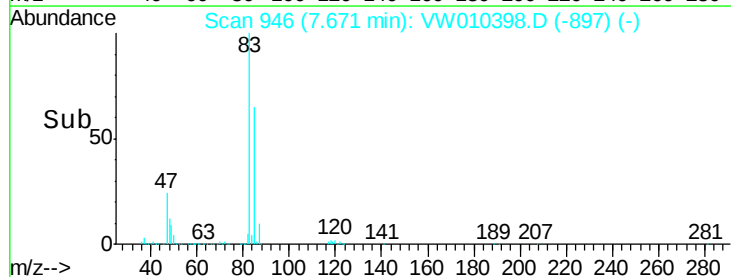
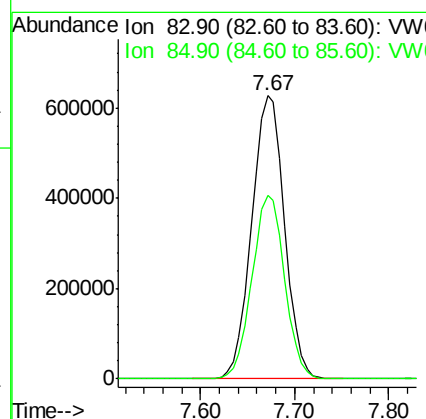
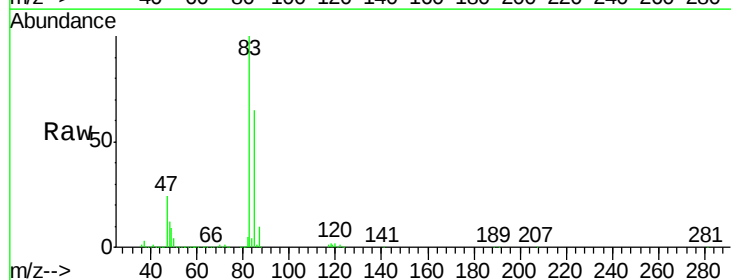
Manual Integrations
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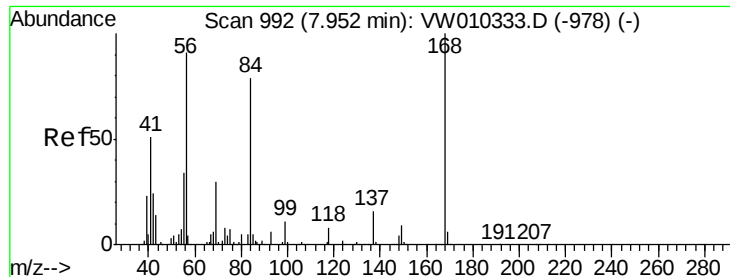
MMDadoda
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#30
Chloroform
Concen: 56.804 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





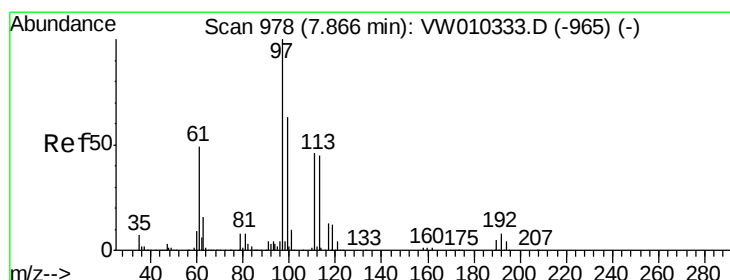
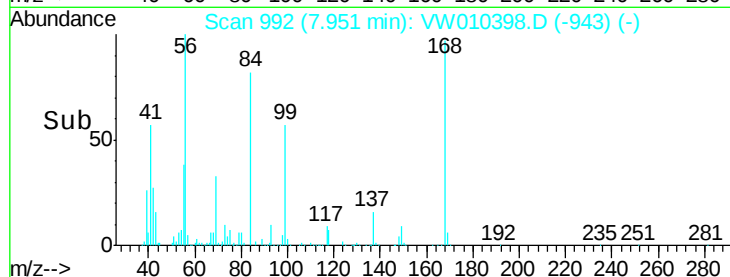
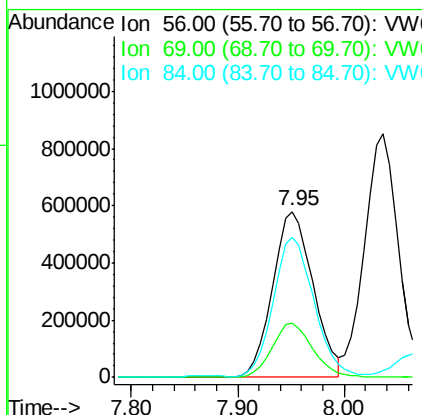
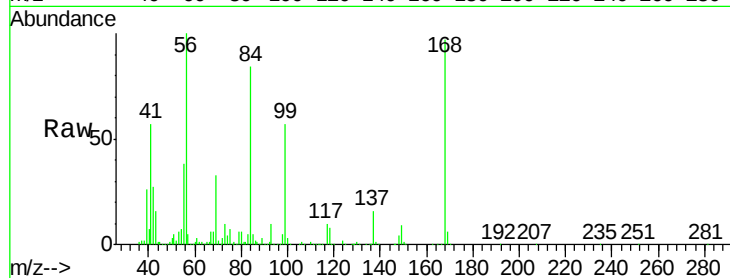
#31
Cvclohexane
Concen: 52.015 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.6	40.0
84	83.4	66.2	99.2

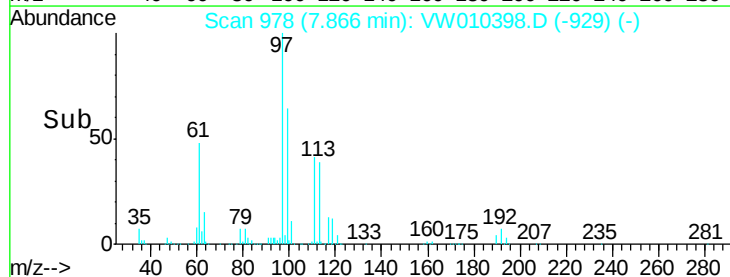
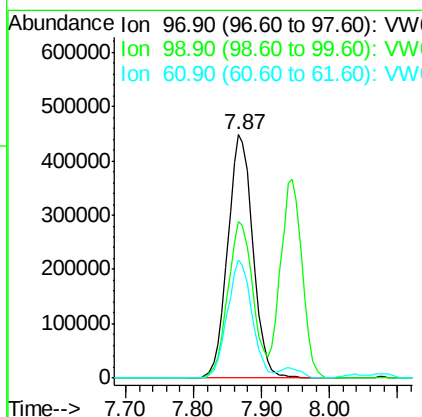
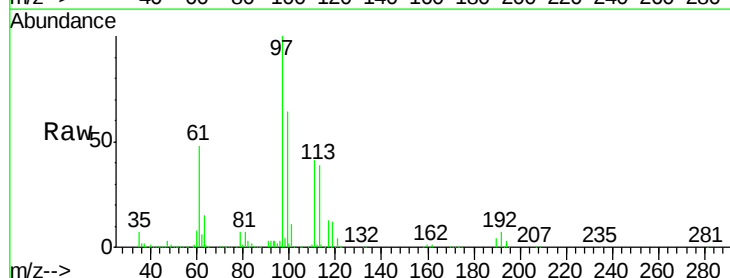
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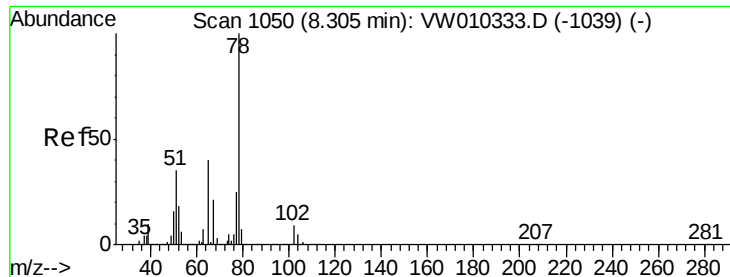
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.354 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.2	75.2
61	47.6	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 49.164 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 704318

Ion Ratio Lower Upper

65 100

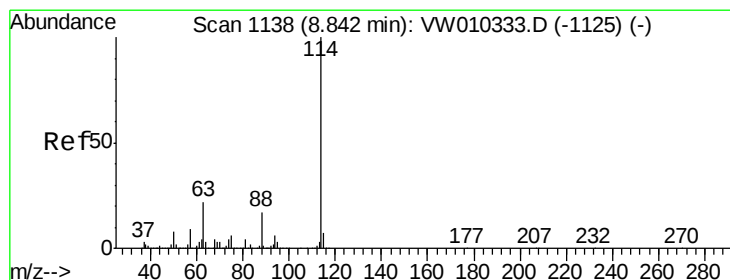
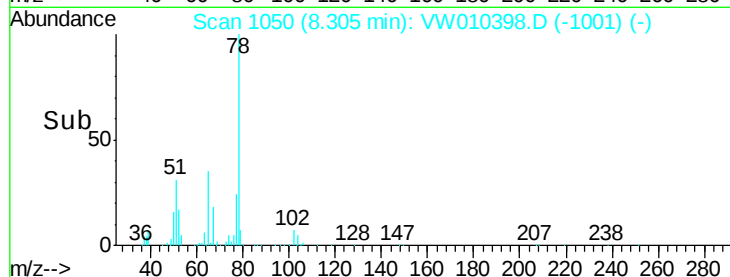
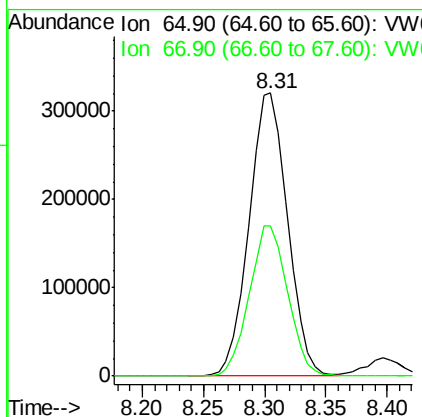
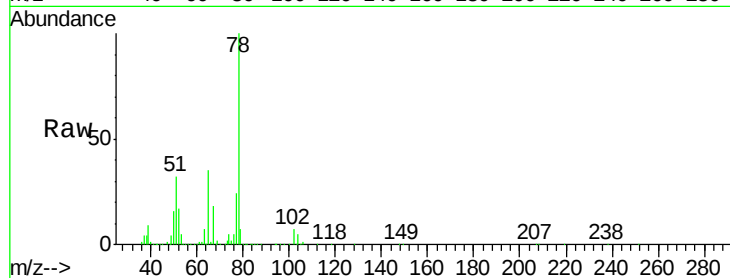
67 52.8 0.0 100.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

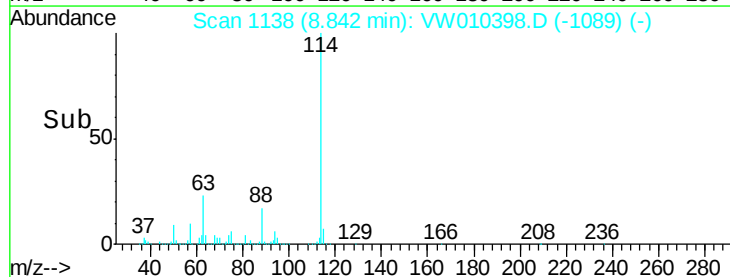
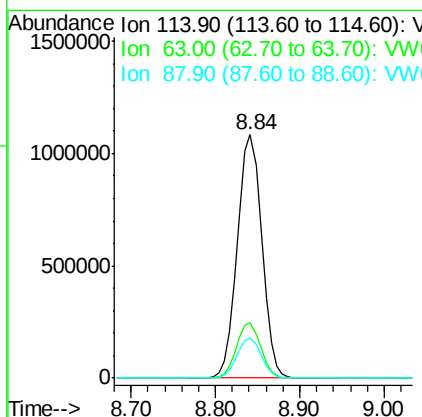
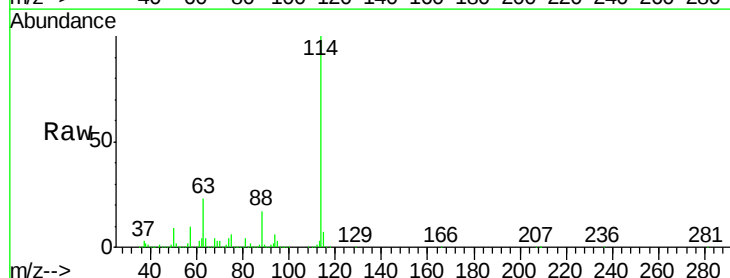
Tgt Ion: 114 Resp: 2115923

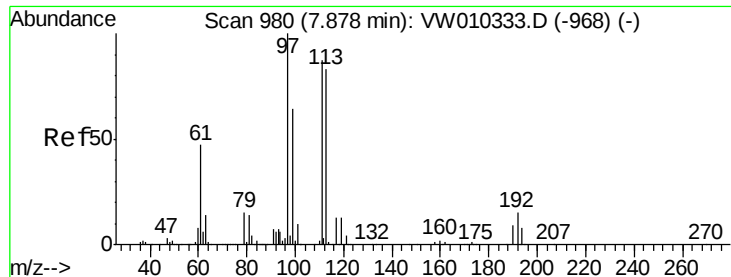
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 16.7 0.0 32.6





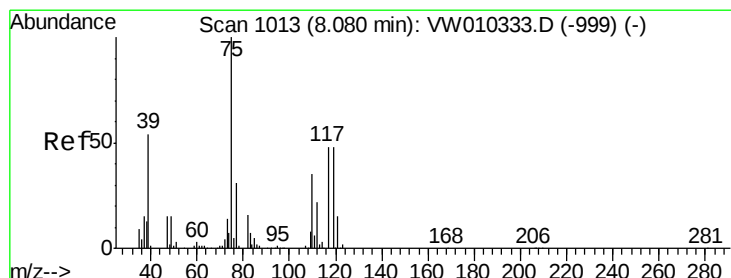
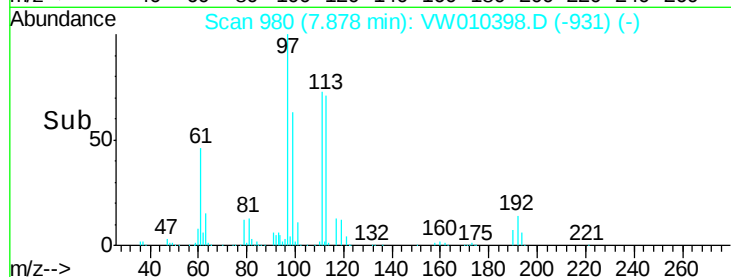
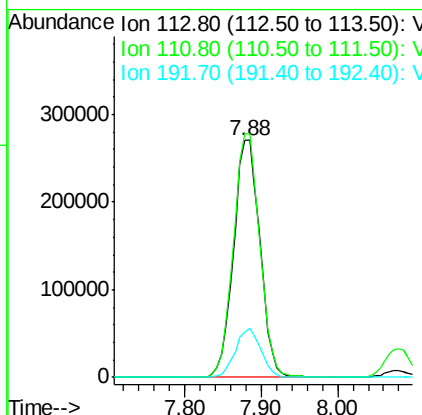
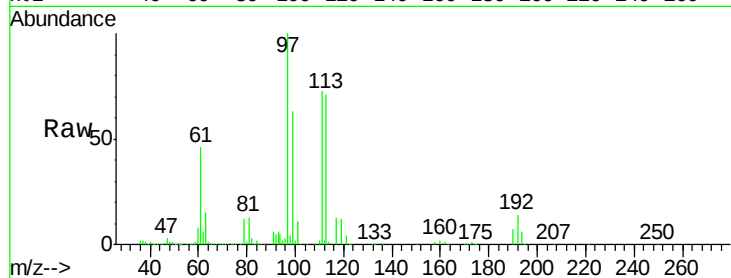
#35
 Dibromofluoromethane
 Concen: 52.150 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.9	15.4	23.2

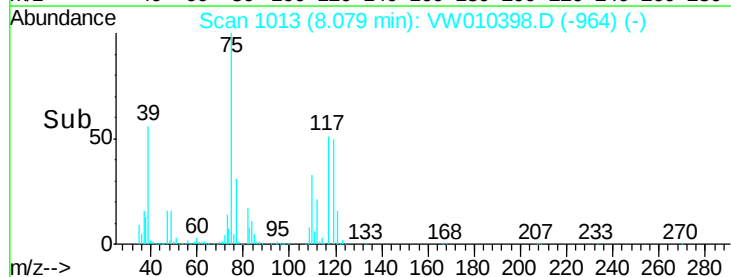
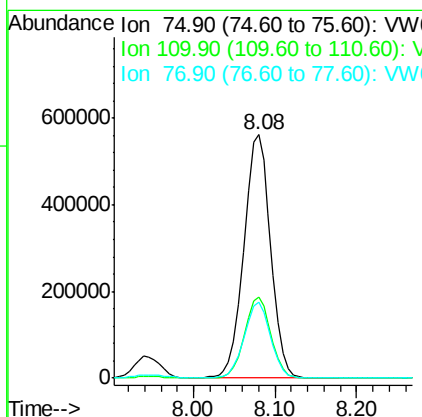
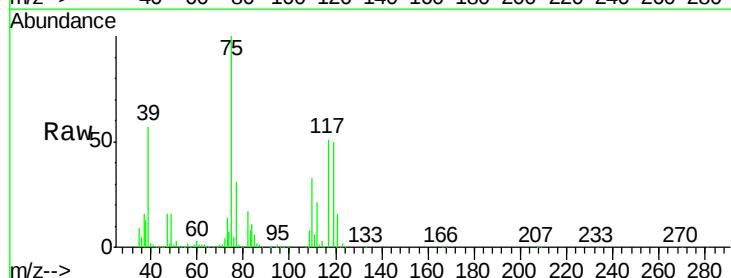
Manual Integrations
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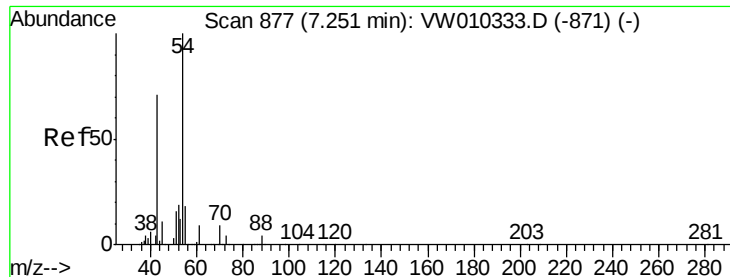
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 55.630 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.6	49.8
77	30.9	24.8	37.2





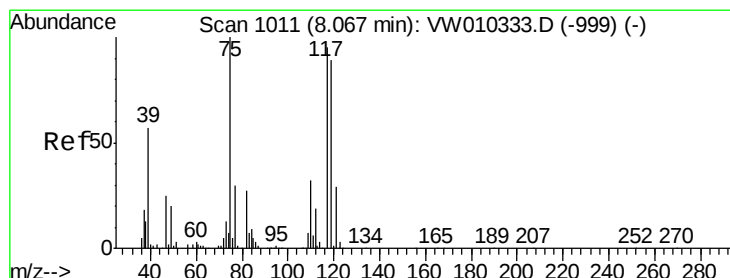
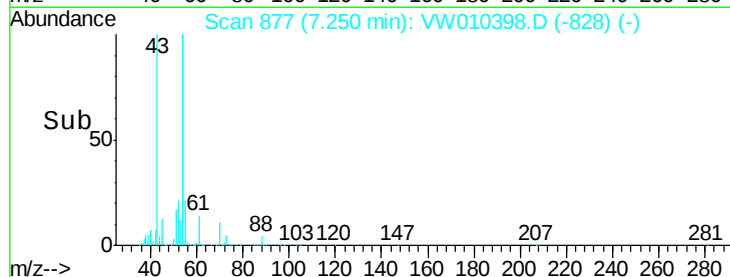
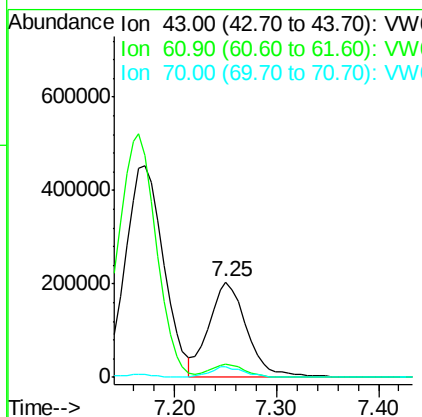
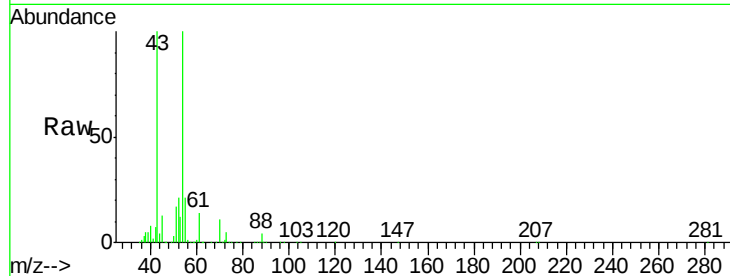
#37
Ethyl Acetate
Concen: 42.623 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.8	14.8
70	10.2	7.4	11.0

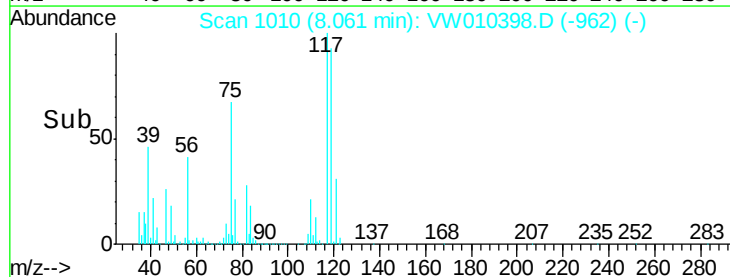
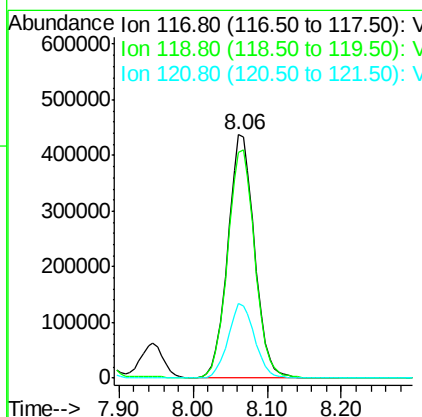
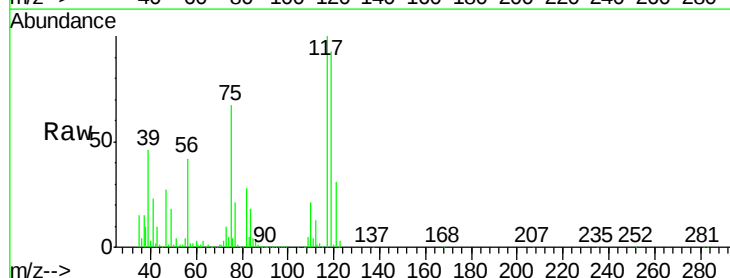
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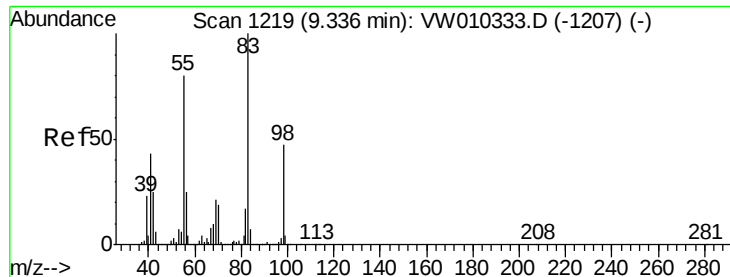
MMDadoda
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#38
Carbon Tetrachloride
Concen: 55.763 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.3	112.9
121	30.8	24.4	36.6





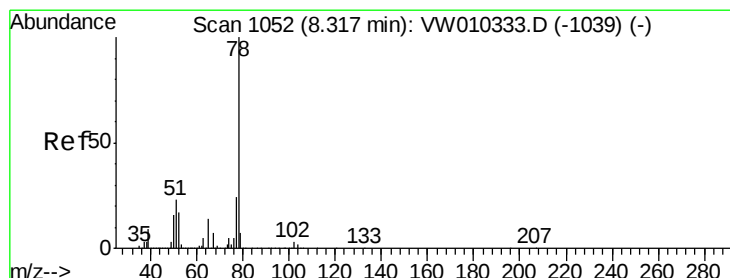
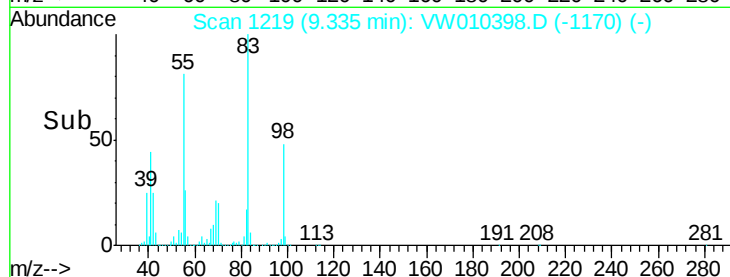
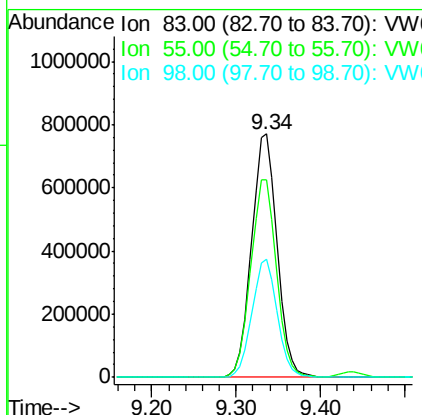
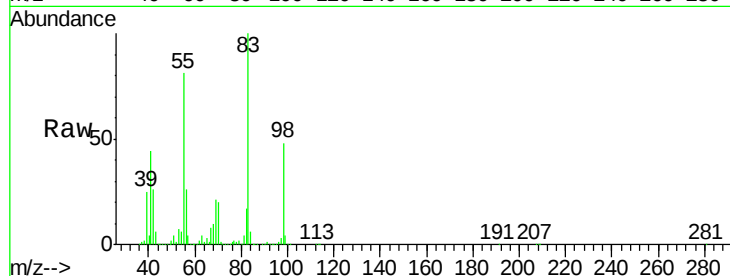
#39
Methvlcvclohexane
Concen: 56.462 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	67.1	100.7
98	48.3	39.2	58.8

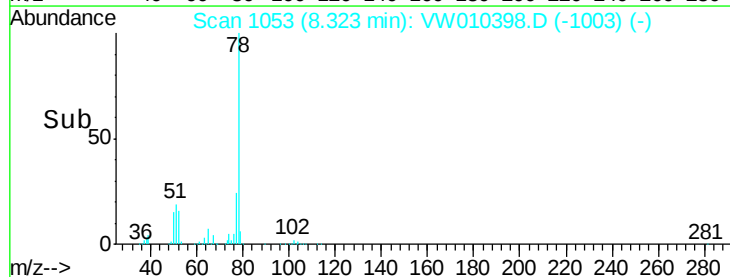
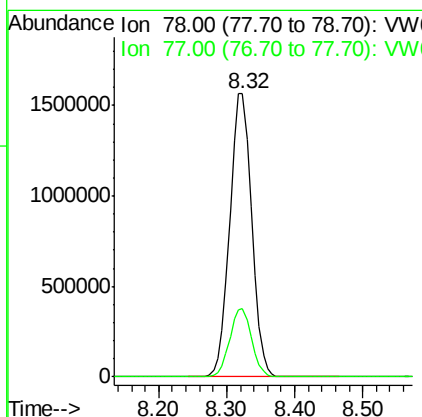
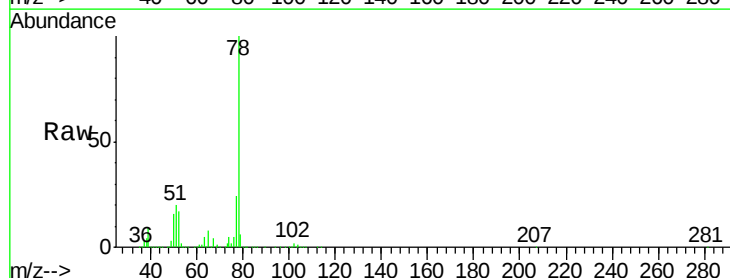
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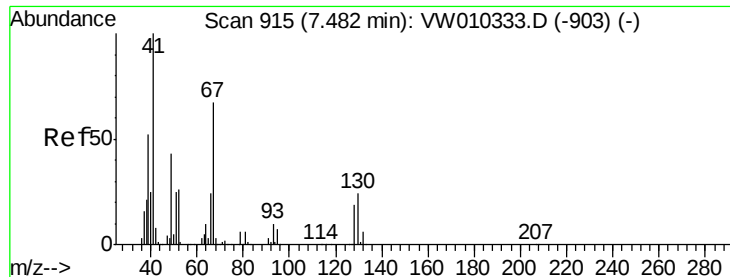
MMDadoda
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#40
Benzene
Concen: 55.795 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 44.622 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

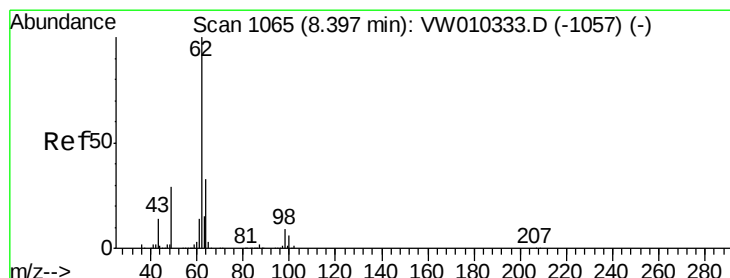
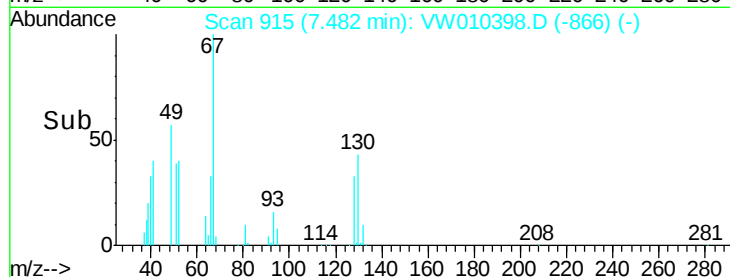
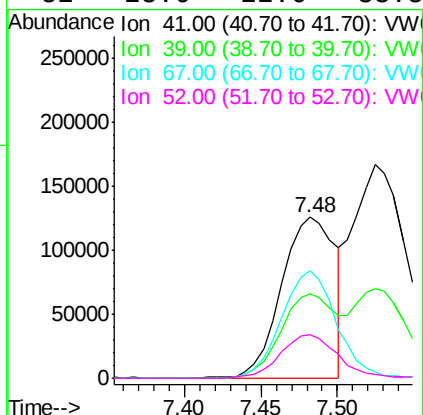
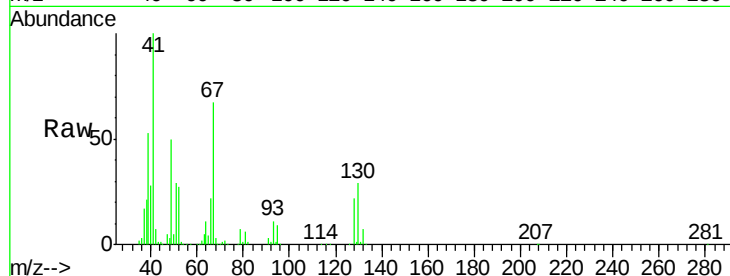
ClientSampleID :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	45.0	67.4
67	68.1	50.7	76.1
52	28.6	22.6	33.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.200 ug/l

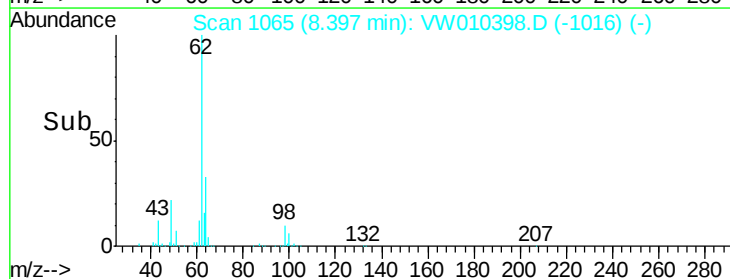
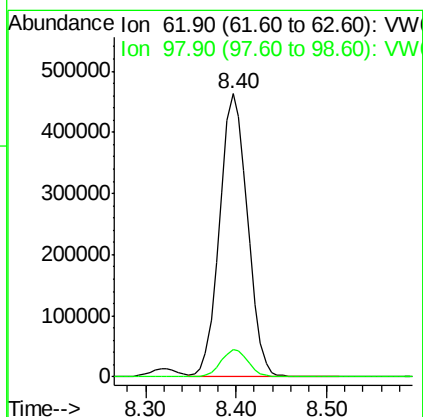
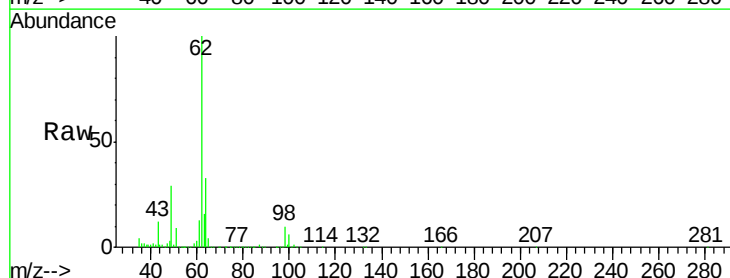
RT: 8.40 min Scan# 1065

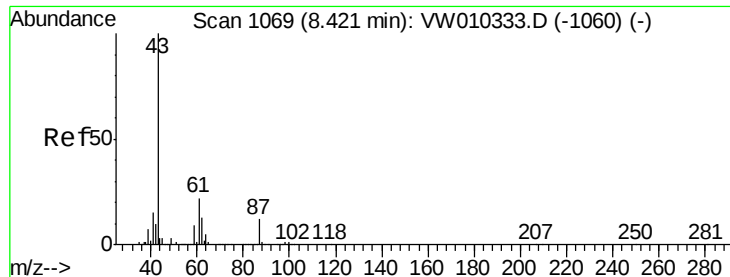
Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 45.917 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

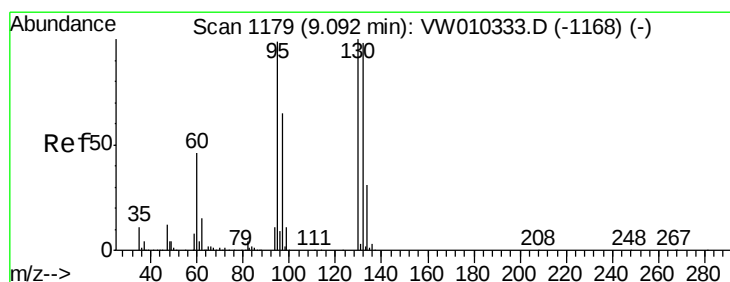
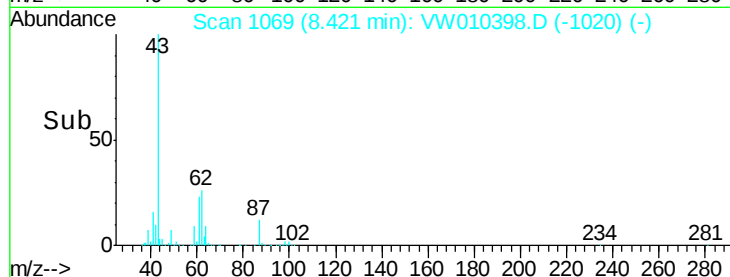
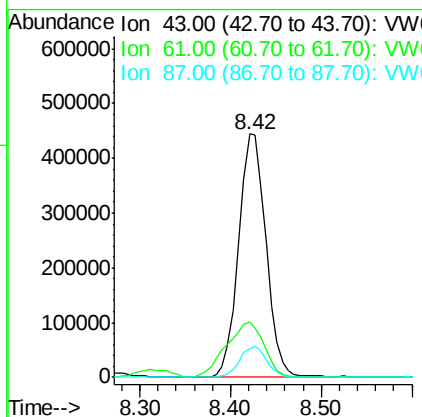
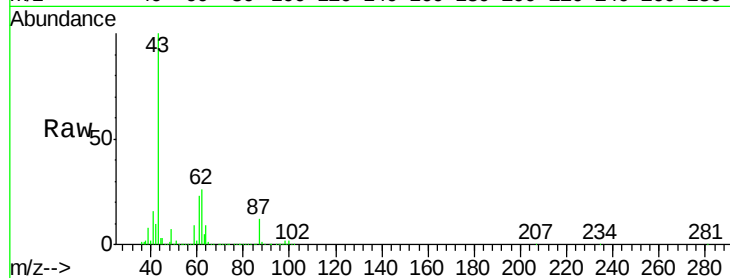
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	930222
Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.0	34.6
87	12.6	9.3	13.9

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#44

Trichloroethene

Concen: 55.524 ug/l

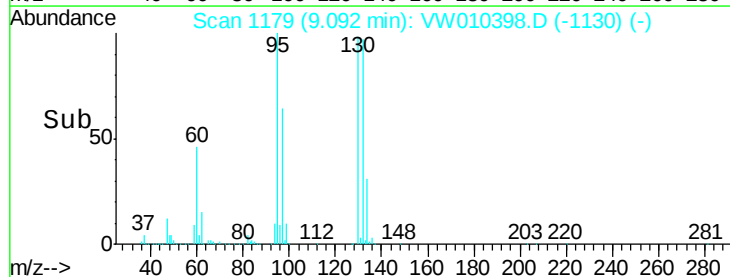
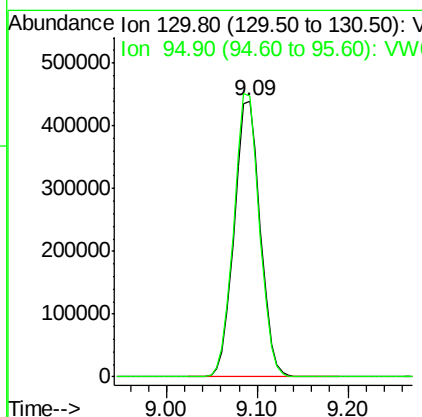
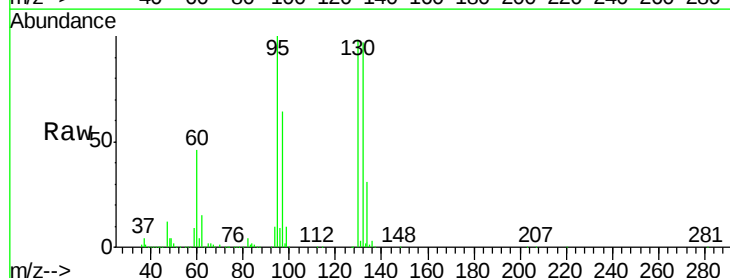
RT: 9.09 min Scan# 1179

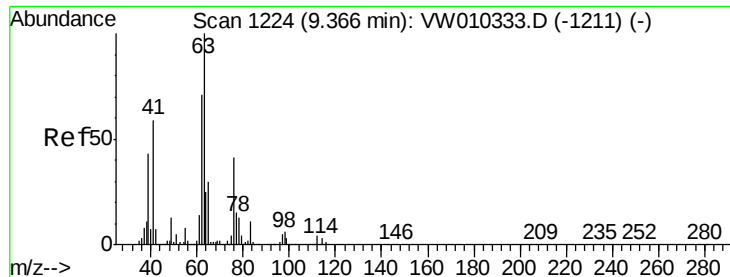
Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion:	130	Resp:	873372
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	205.4





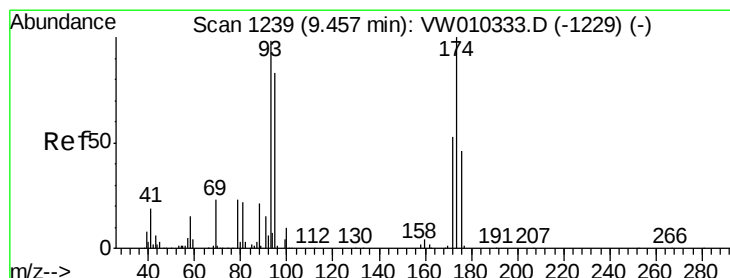
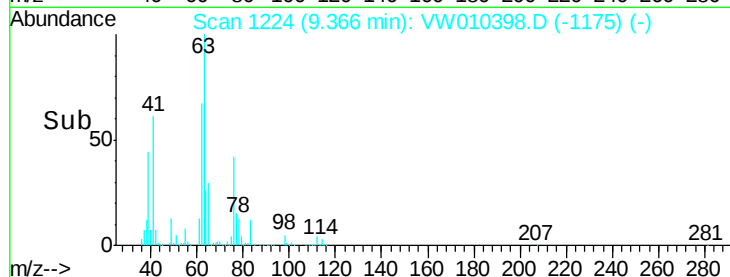
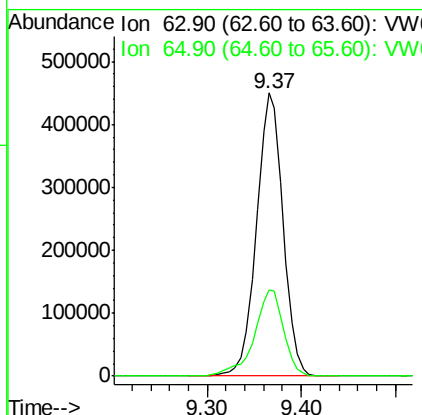
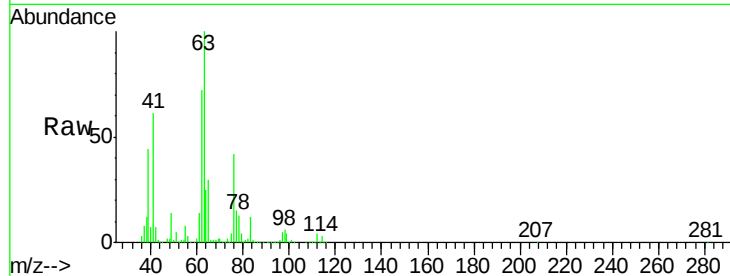
#45
 1,2-Dichloropropane
 Concen: 57.040 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.8	35.6

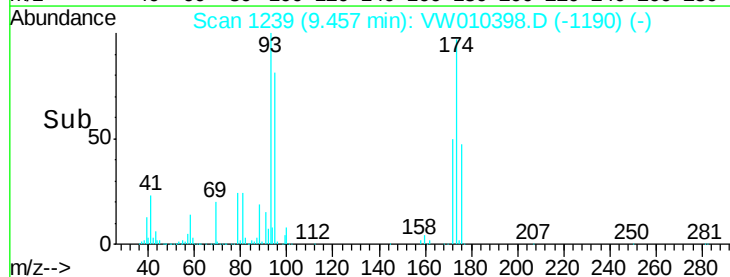
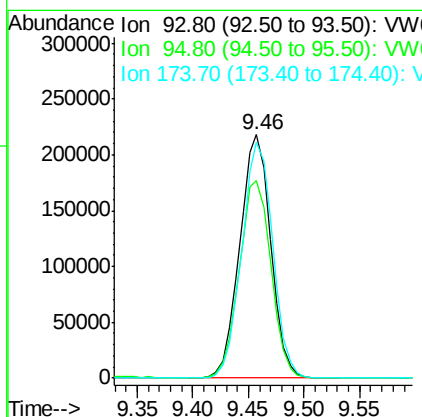
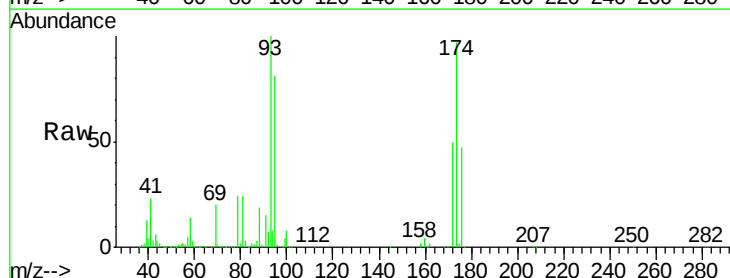
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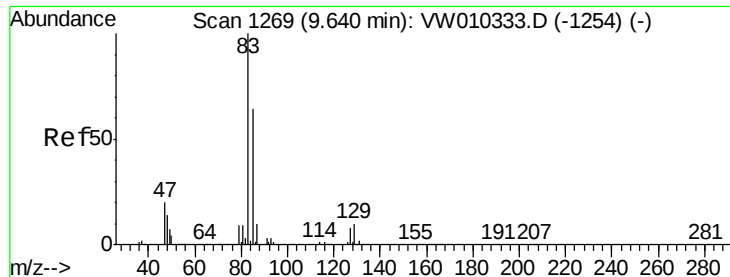
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 5/13/2019 12:27:05 PM



#46
 Dibromomethane
 Concen: 52.160 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.8
174	97.2	75.5	113.3





#47

Bromodichloromethane

Concen: 57.557 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

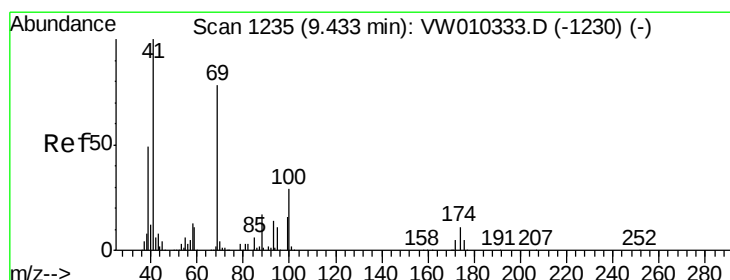
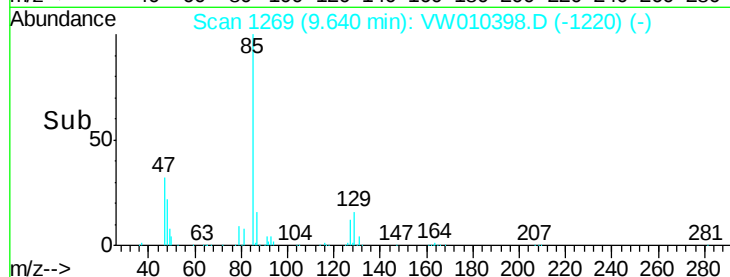
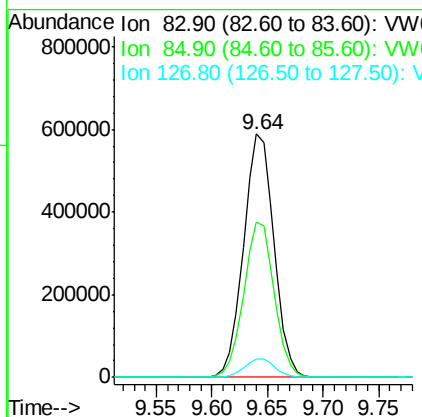
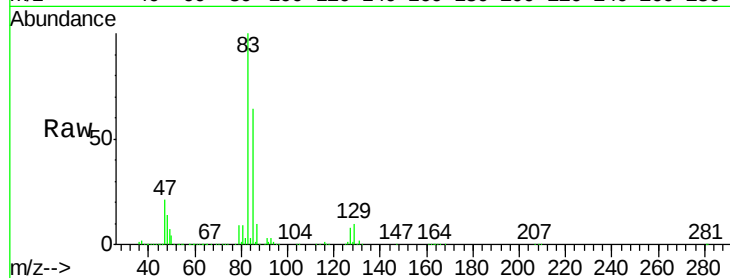
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	1113967
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	7.8	6.6	10.0

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#48

Methyl methacrylate

Concen: 47.781 ug/l

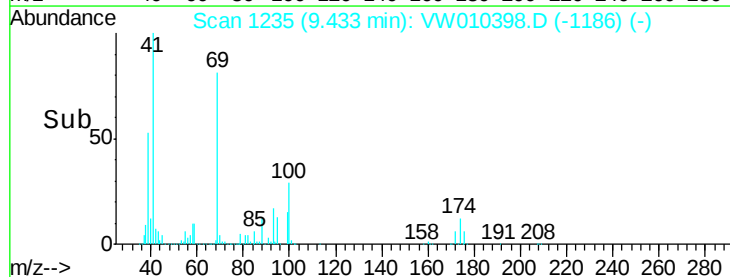
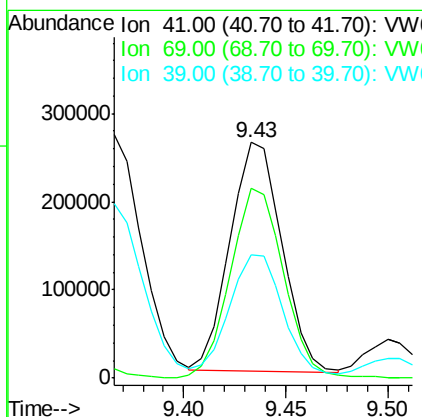
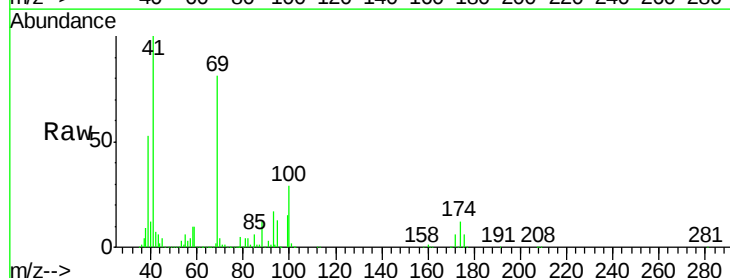
RT: 9.43 min Scan# 1235

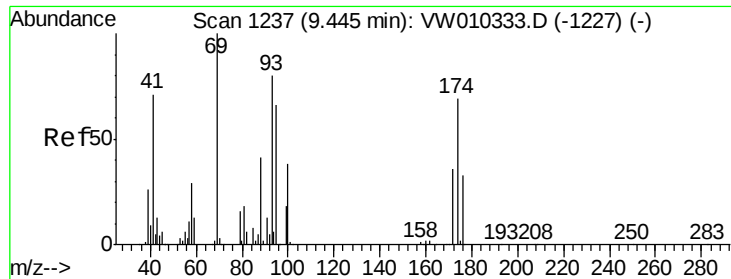
Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion:	41	Resp:	457691
Ion	Ratio	Lower	Upper
41	100		
69	85.9	60.1	90.1
39	52.8	51.0	76.6





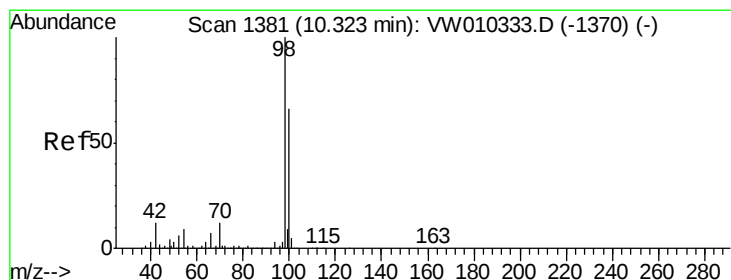
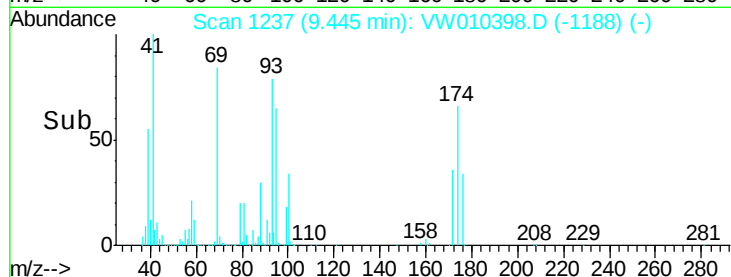
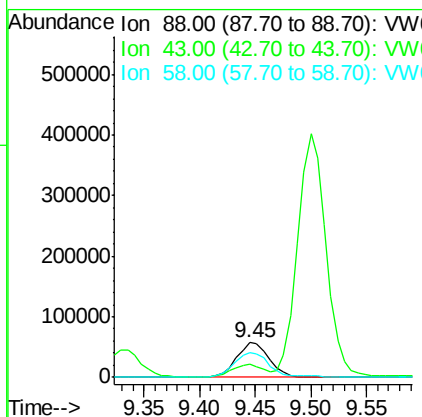
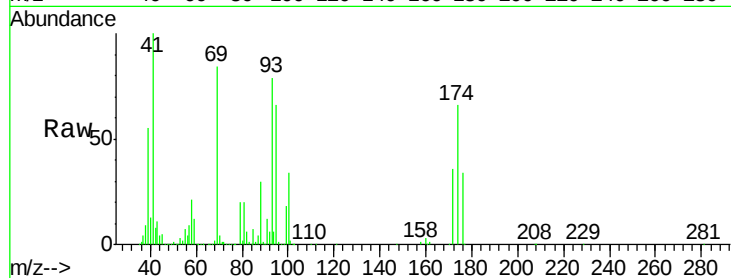
#49
1,4-Dioxane
Concen: 828.667 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	116598		
43	35.2		31.9	47.9
58	74.8		61.8	92.6

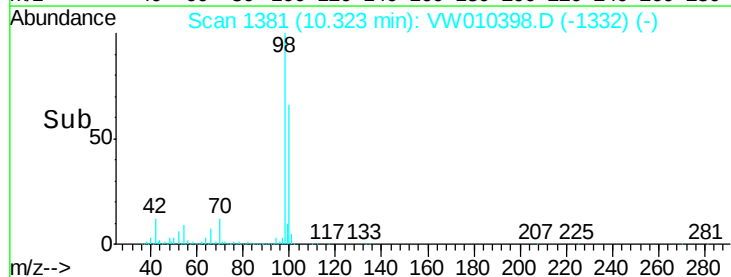
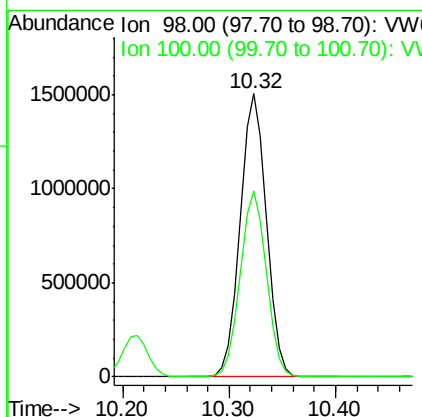
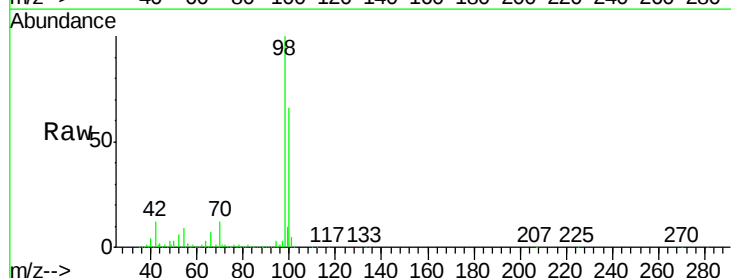
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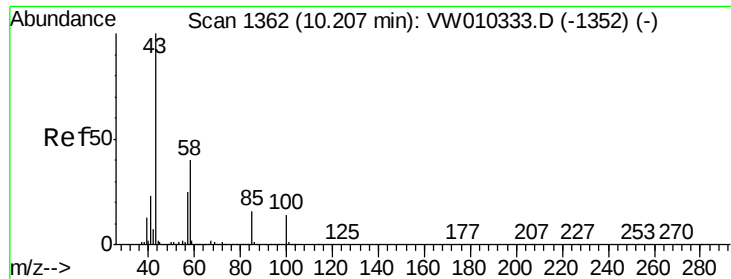
MMDadoda
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#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2609299		
100	65.7		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 221.496 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2573023

Ion Ratio Lower Upper

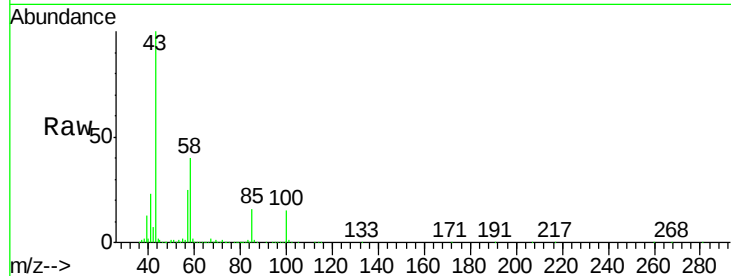
43 100

58 39.3 28.9 43.3

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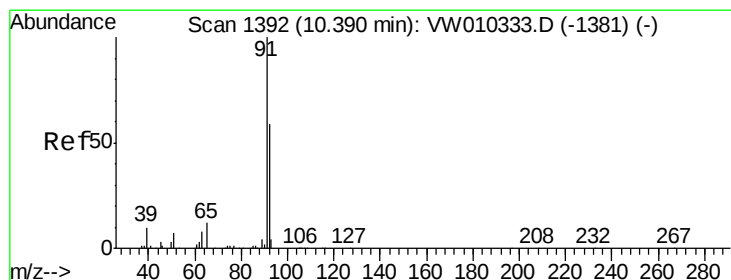
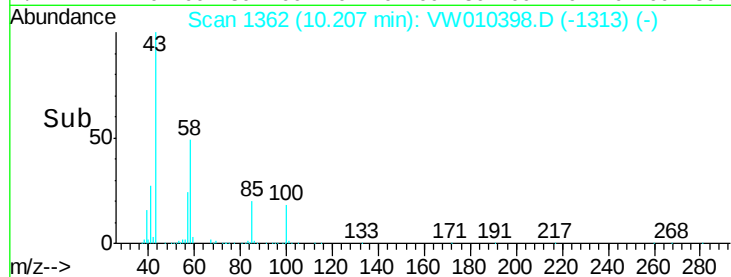
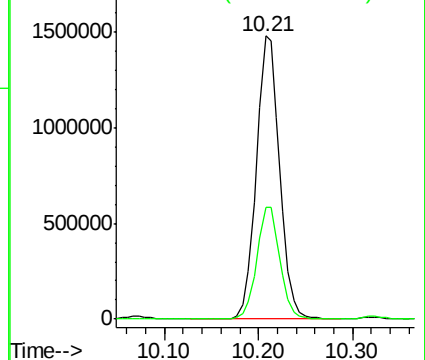
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 57.562 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010398.D

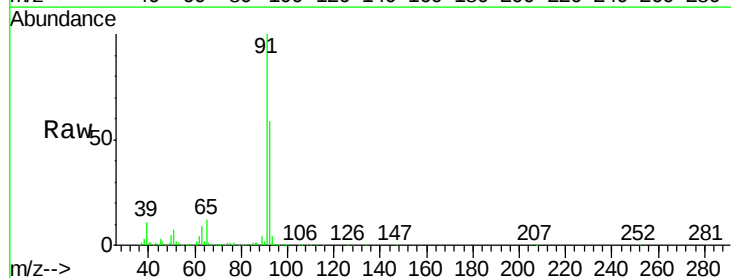
Acq: 12 May 2019 10:04

Tgt Ion: 92 Resp: 2210579

Ion Ratio Lower Upper

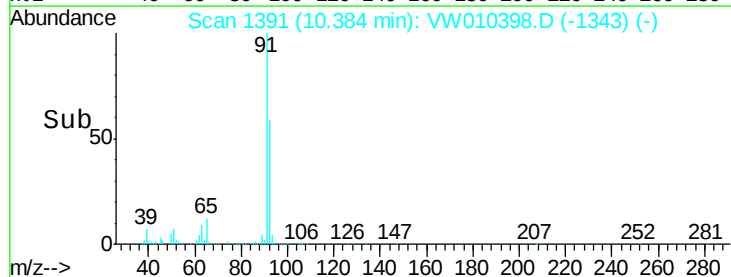
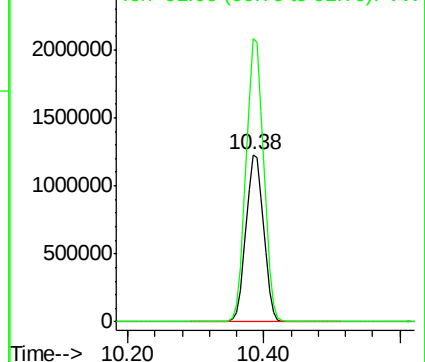
92 100

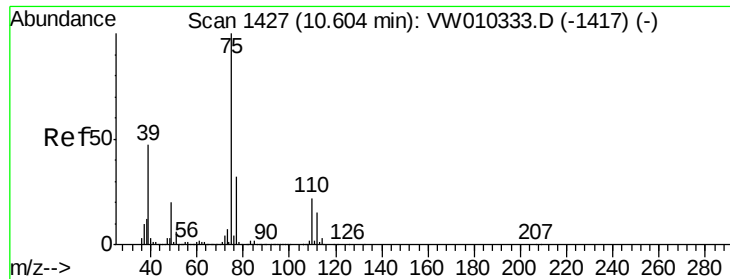
91 169.2 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 57.283 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1122988

Ion Ratio Lower Upper

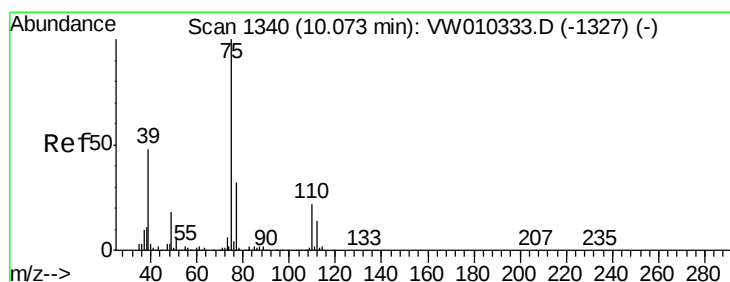
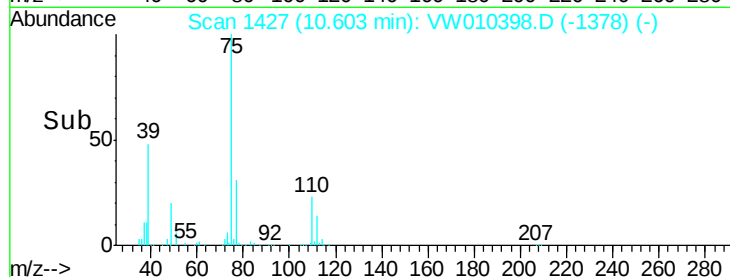
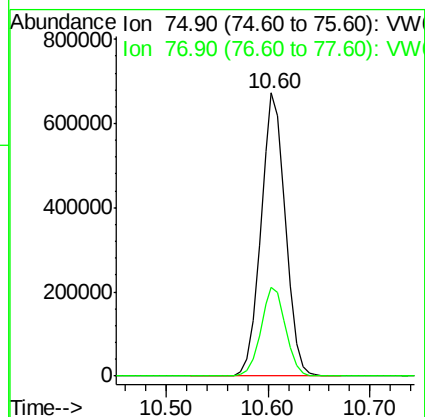
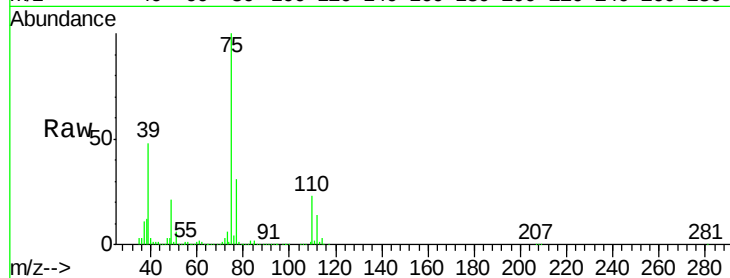
75 100

77 31.4 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 58.260 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

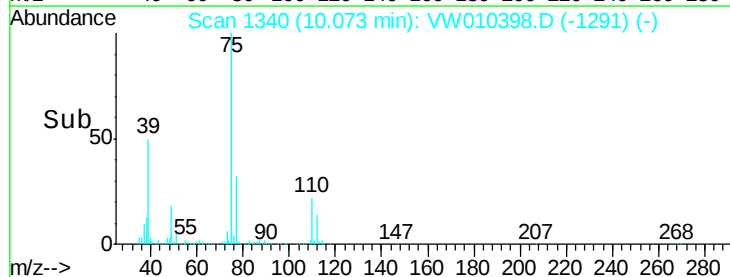
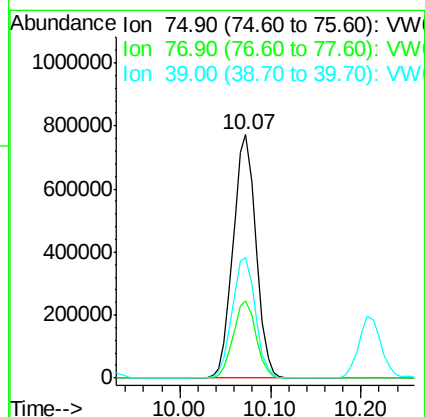
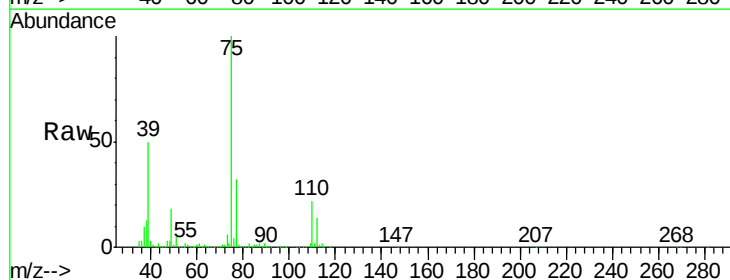
Tgt Ion: 75 Resp: 1352649

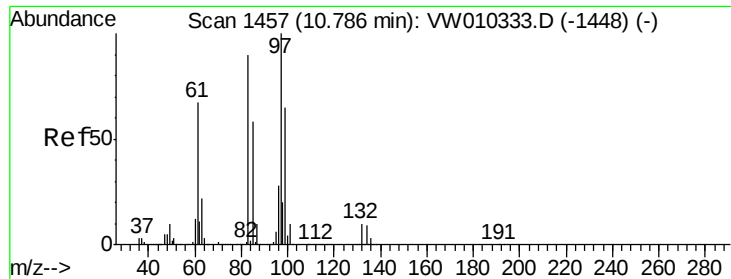
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 49.6 47.8 71.6





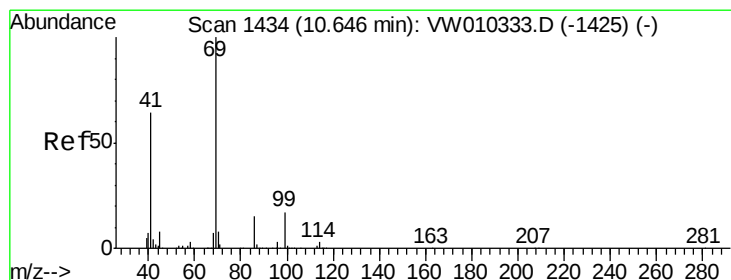
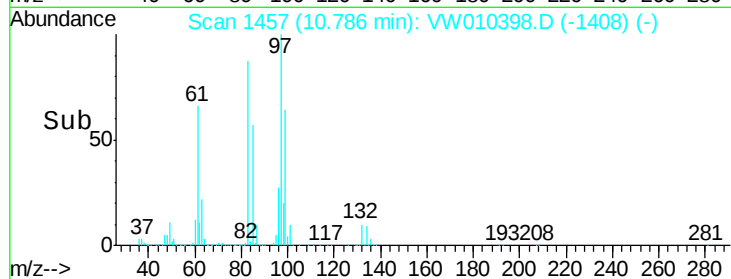
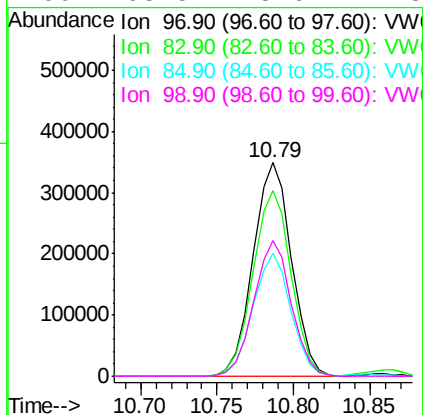
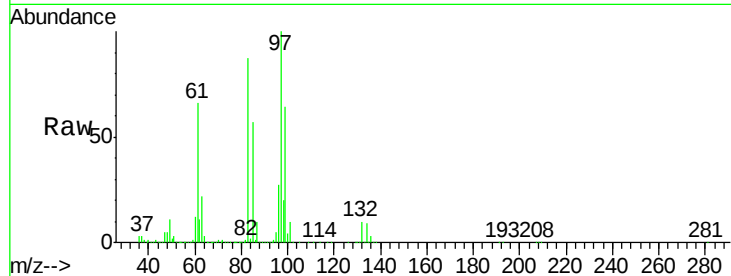
#55
 1,1,2-Trichloroethane
 Concen: 53.029 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	607695
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.9	103.3
85	57.4	42.9	64.3
99	63.5	48.6	72.8

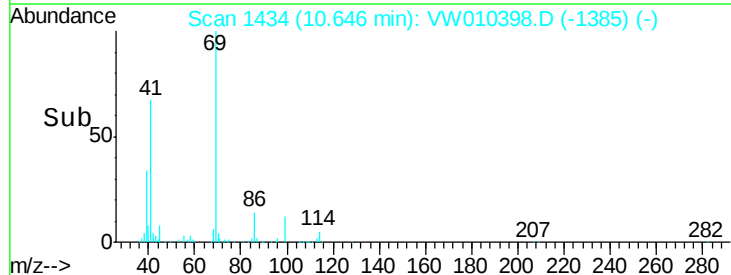
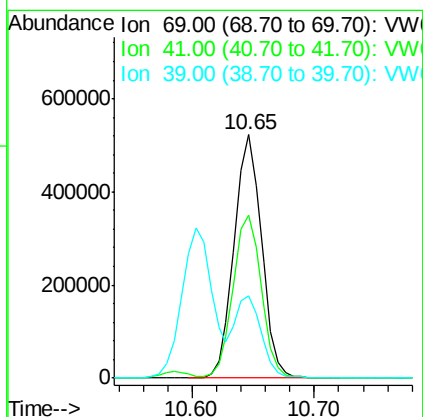
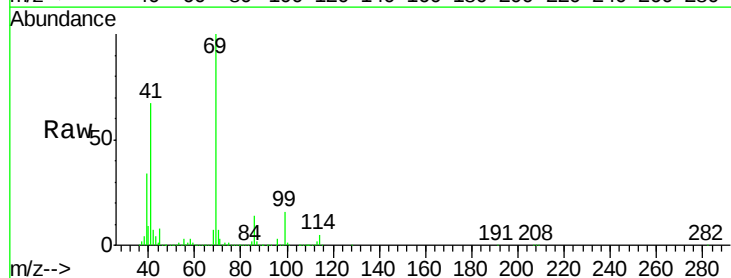
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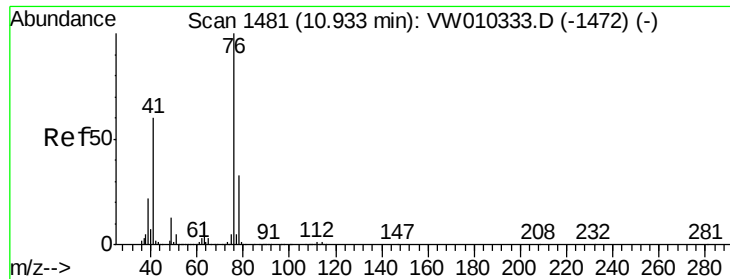
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#56
 Ethyl methacrylate
 Concen: 53.581 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion:	69	Resp:	810848
Ion	Ratio	Lower	Upper
69	100		
41	68.7	61.0	91.6
39	32.6	33.8	50.6#





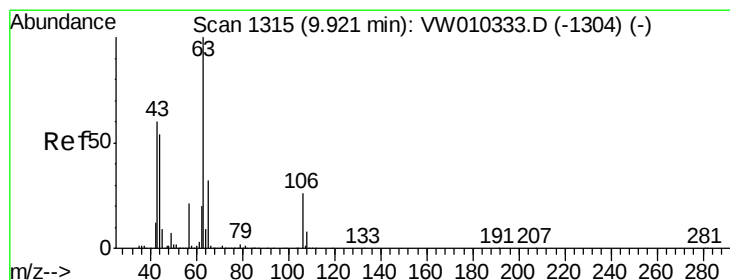
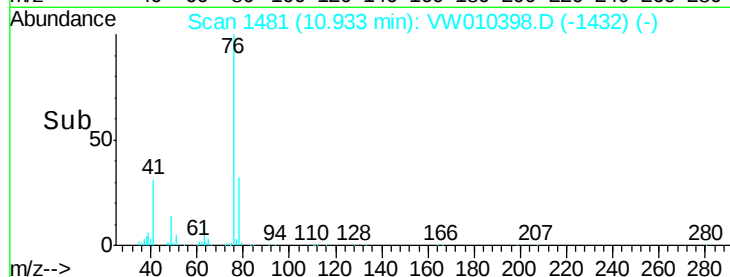
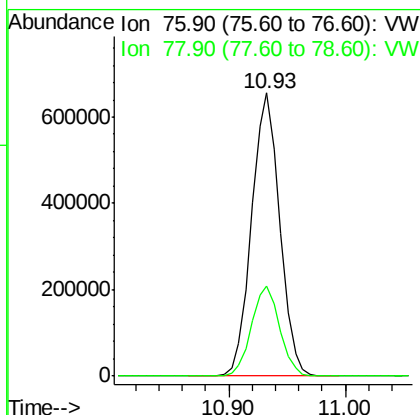
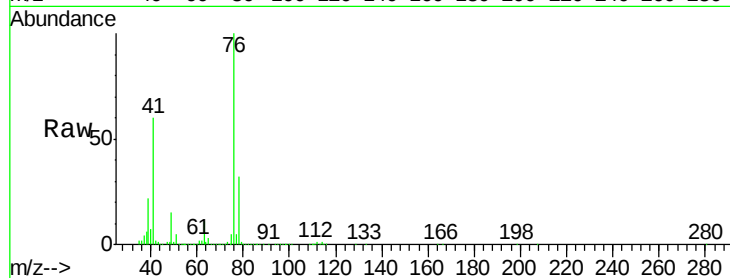
#57
 1,3-Dichloropropane
 Concen: 53.729 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1100717
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

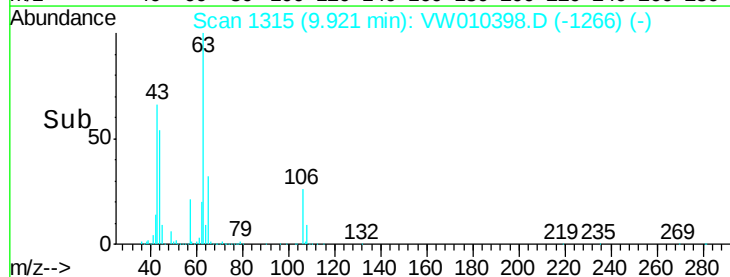
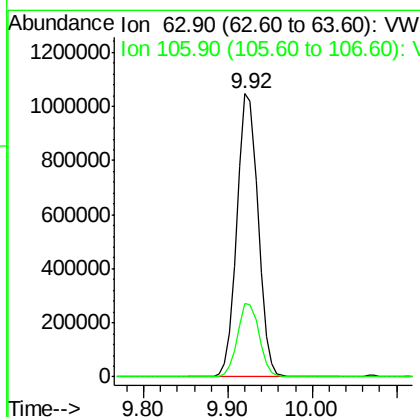
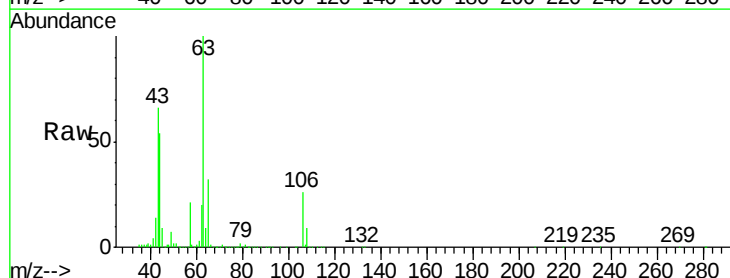
Manual Integrations
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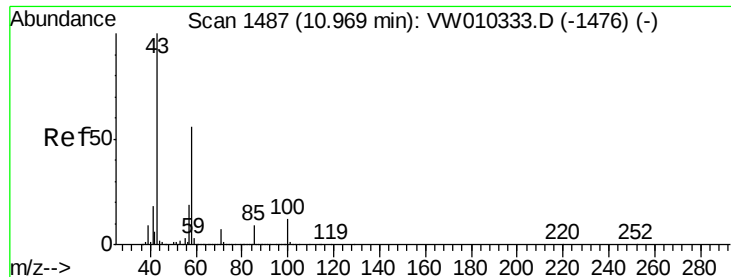
MMDadoda
 5/13/2019 12:27:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.711 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion: 63 Resp: 1758564
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.4 32.0





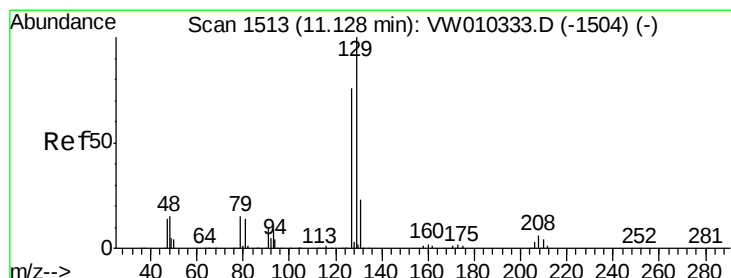
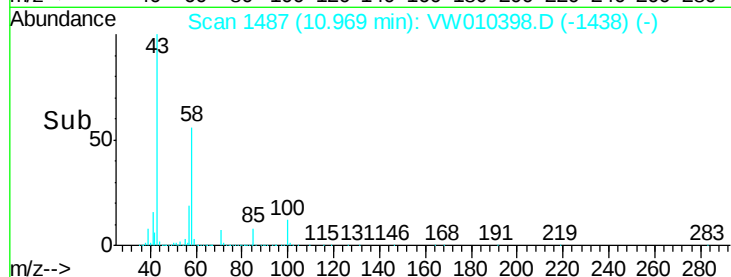
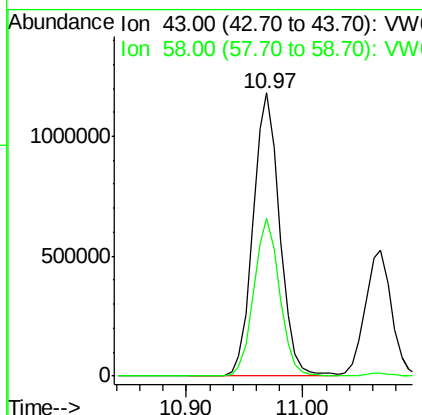
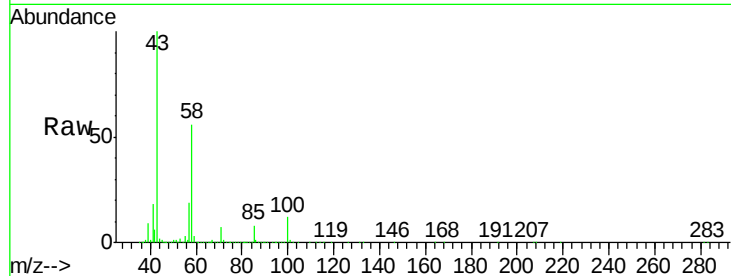
#59
2-Hexanone
Concen: 229.356 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1883772
Ion Ratio Lower Upper
43 100
58 54.3 24.9 74.7

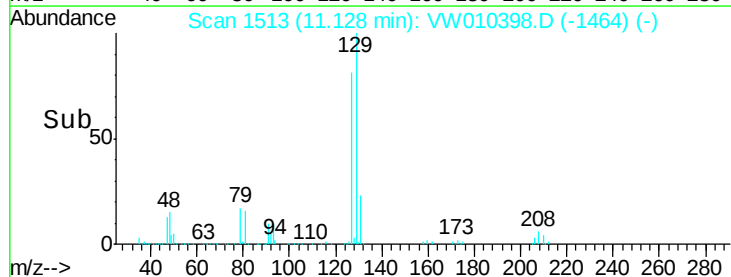
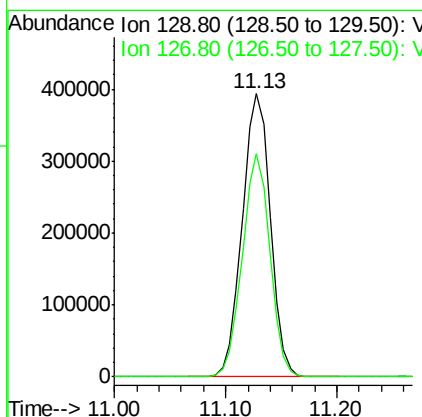
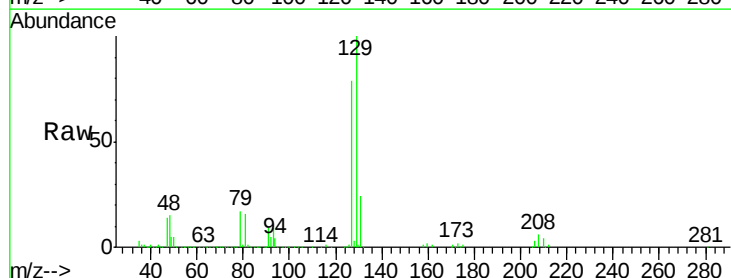
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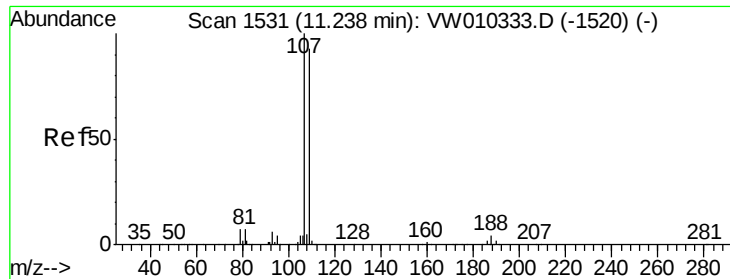
MMDadoda
5/13/2019 12:27:05 PM



#60
Dibromochloromethane
Concen: 55.980 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 129 Resp: 690313
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





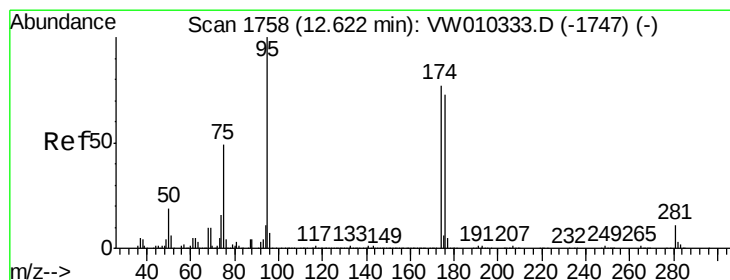
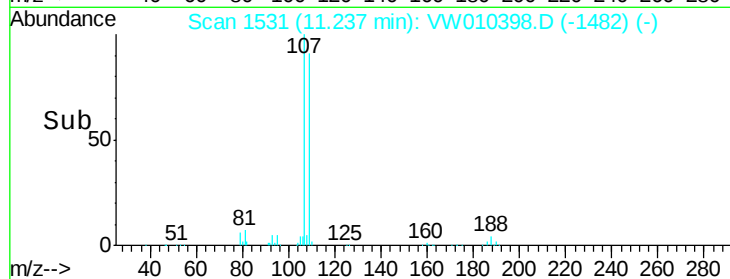
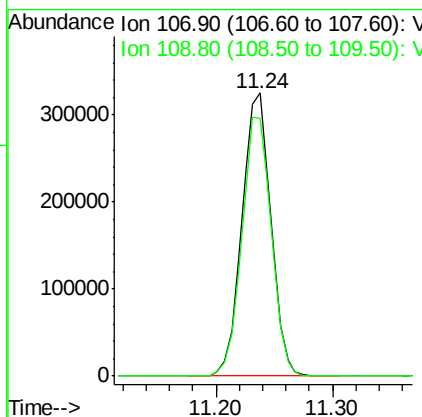
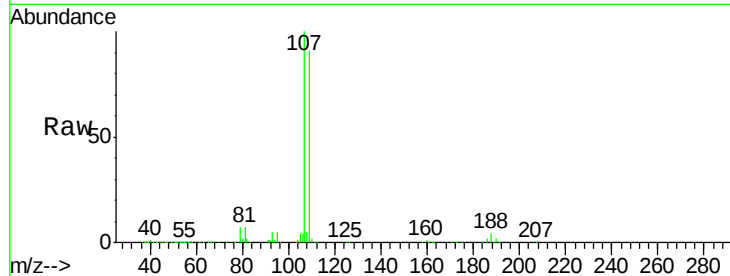
#61
 1,2-Dibromoethane
 Concen: 51.407 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.6	110.4

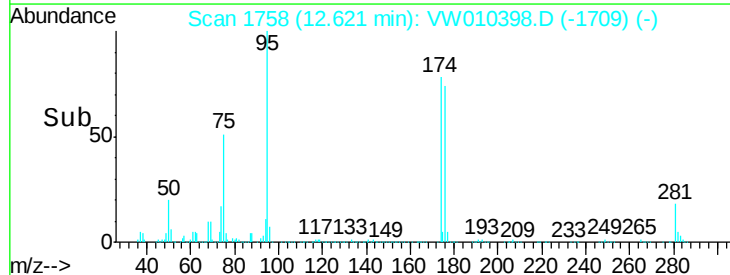
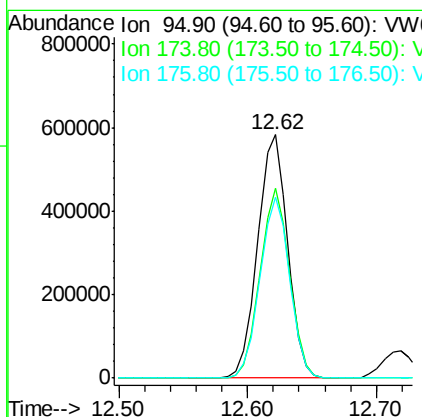
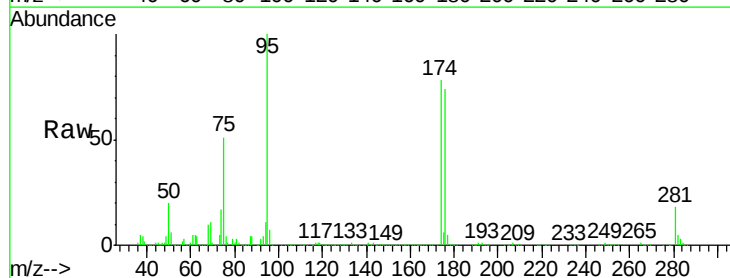
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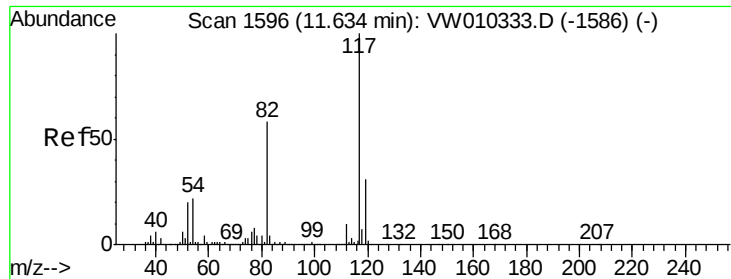
MMDadoda
 5/13/2019 12:27:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.488 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	151.4
176	74.0	0.0	146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1901709

Ion Ratio Lower Upper

117 100

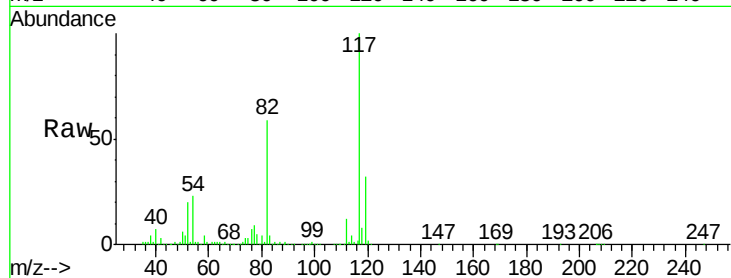
82 58.9 45.2 67.8

119 31.9 25.4 38.2

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MMDadoda

5/13/2019 12:27:05 PM

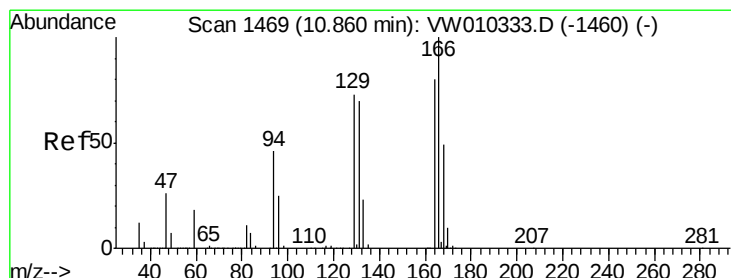
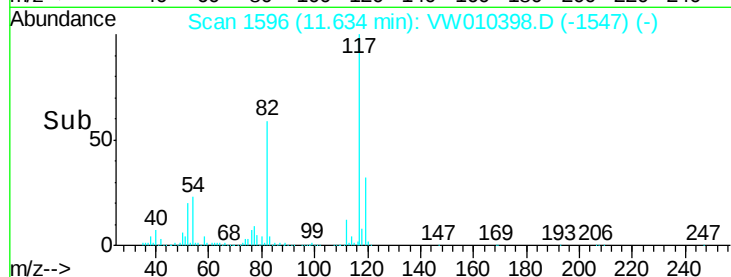
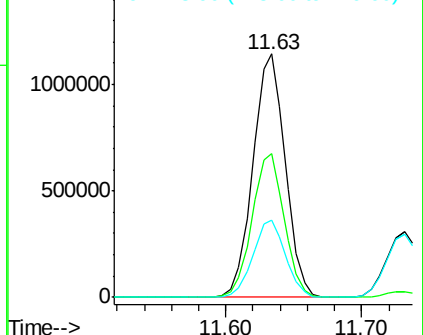


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 53.738 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion:164 Resp: 714271

Ion Ratio Lower Upper

164 100

166 124.3 101.2 151.8

129 95.2 77.8 116.6

131 90.5 73.1 109.7

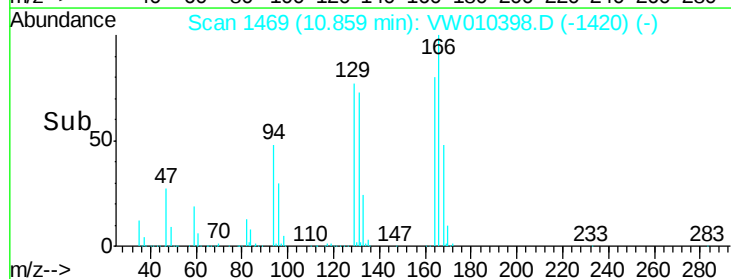
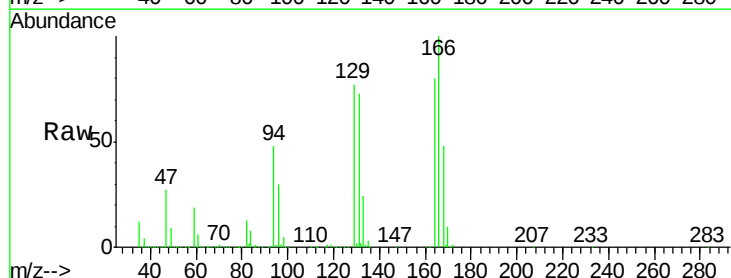
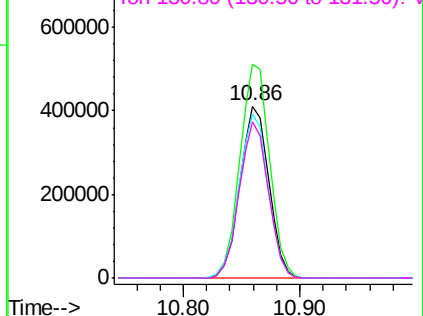
Abundance

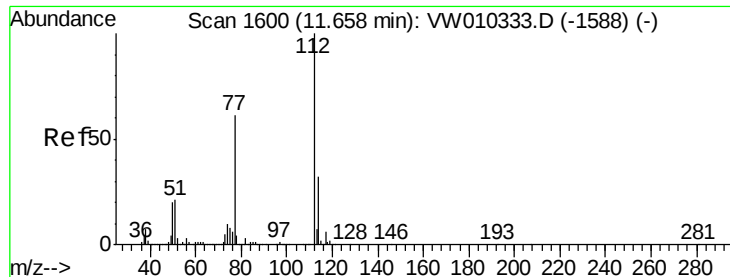
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





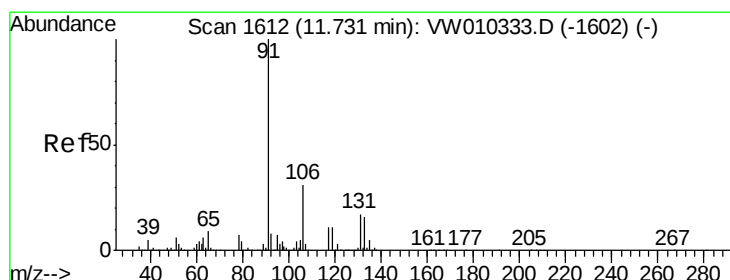
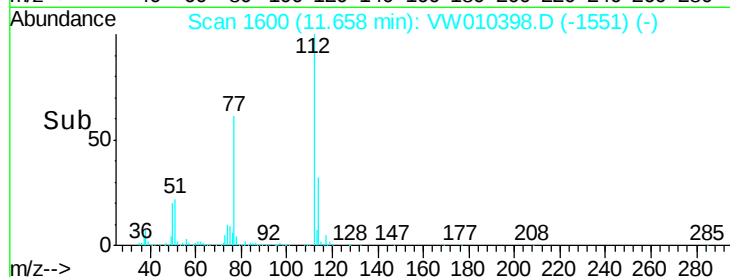
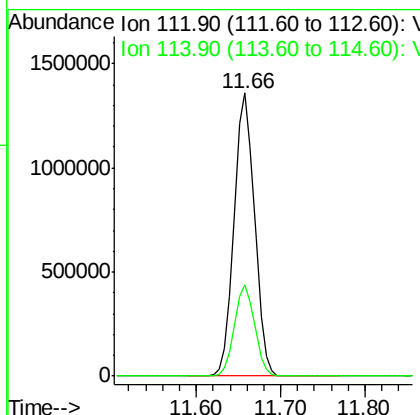
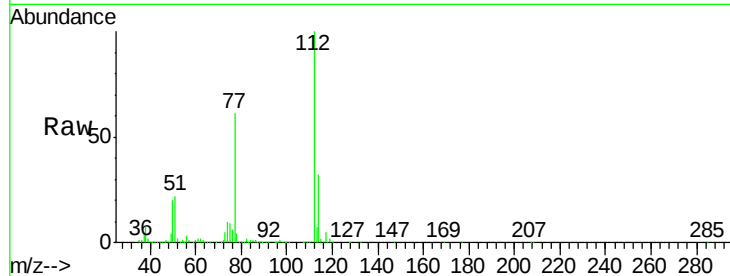
#65
Chlorobenzene
Concen: 56.665 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2230694
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7

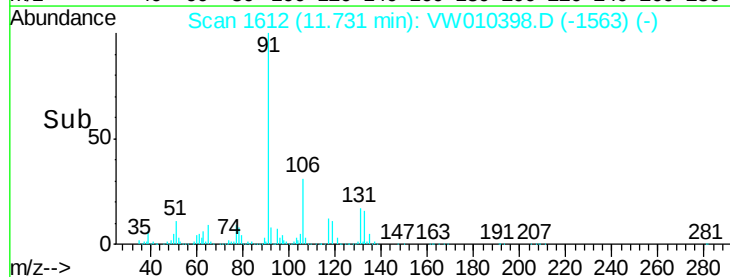
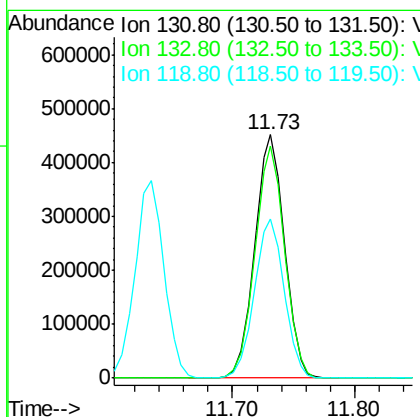
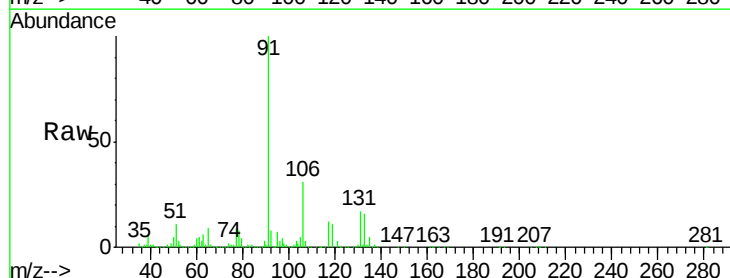
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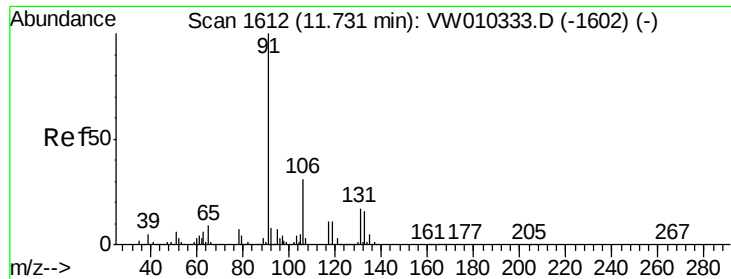
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.324 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion:131 Resp: 762710
Ion Ratio Lower Upper
131 100
133 95.5 46.5 139.5
119 66.0 31.9 95.5





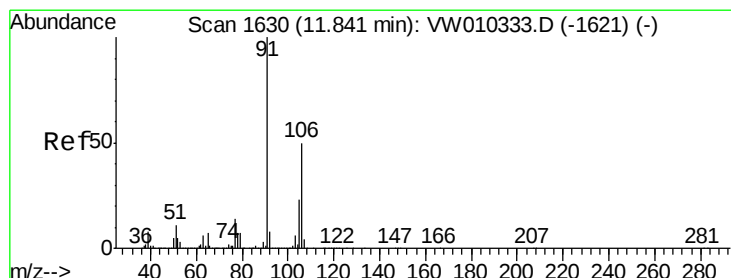
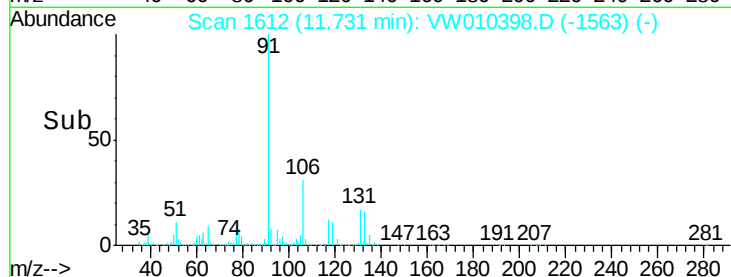
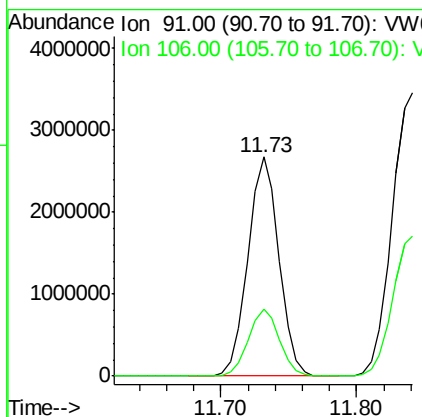
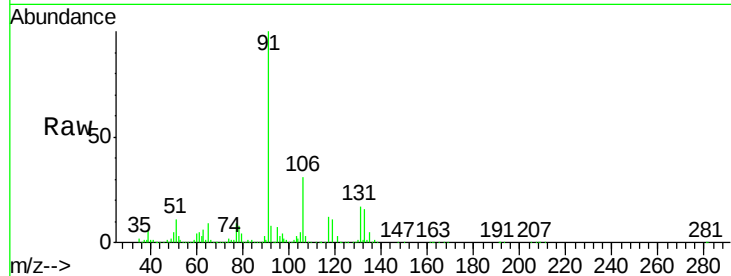
#67
Ethyl Benzene
Concen: 58.919 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4266855
Ion Ratio Lower Upper
91 100
106 30.6 23.8 35.8

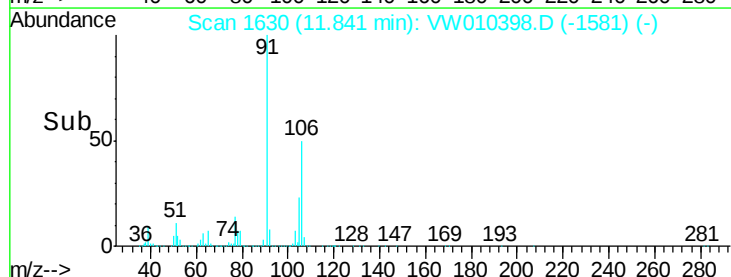
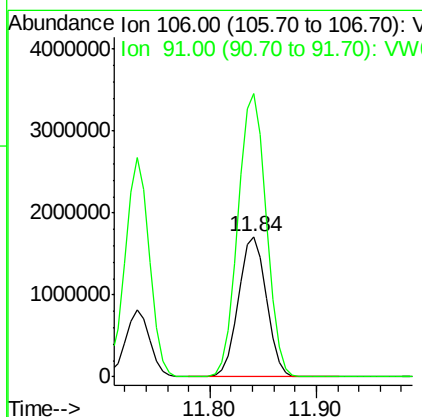
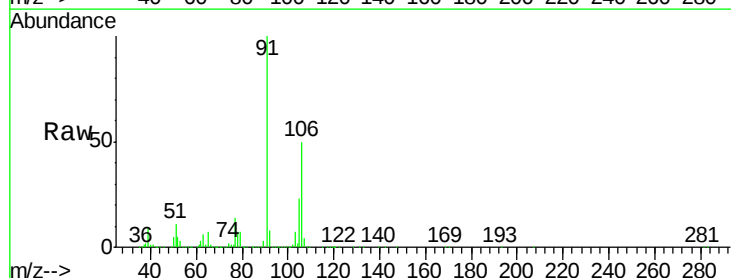
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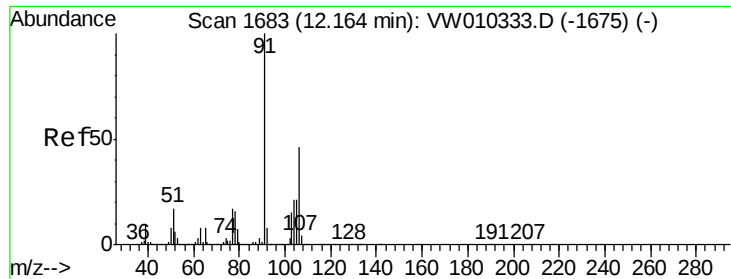
MMDadoda
5/13/2019 12:27:05 PM



#68
m/p-Xylenes
Concen: 117.646 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 106 Resp: 3165486
Ion Ratio Lower Upper
106 100
91 204.4 165.0 247.6





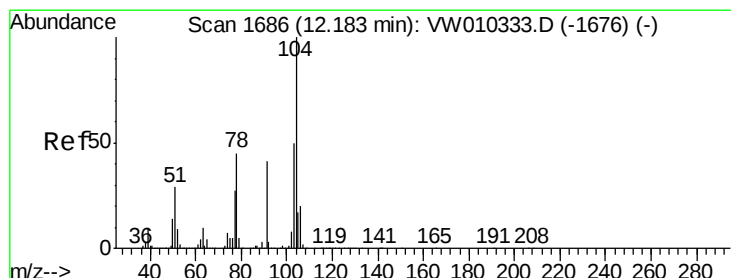
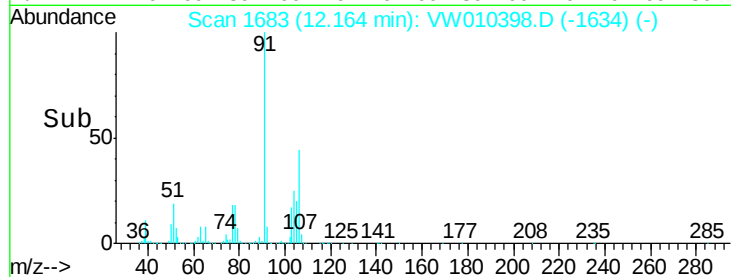
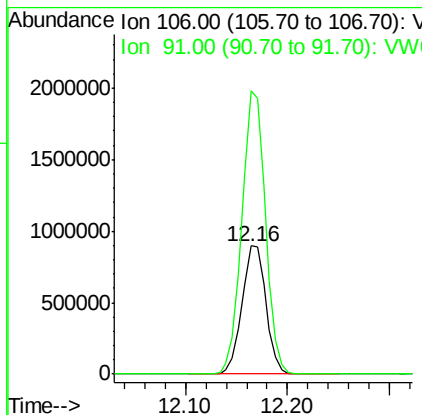
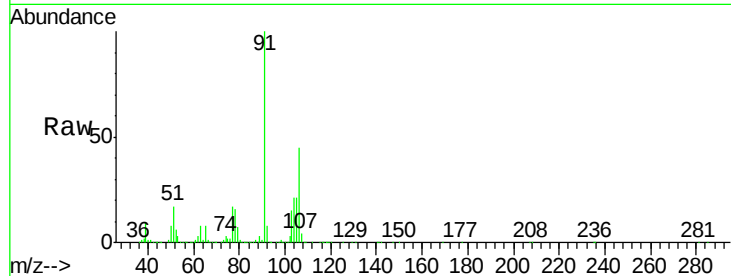
#69
o-Xylene
Concen: 59.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1454523
Ion Ratio Lower Upper
106 100
91 217.7 110.5 331.4

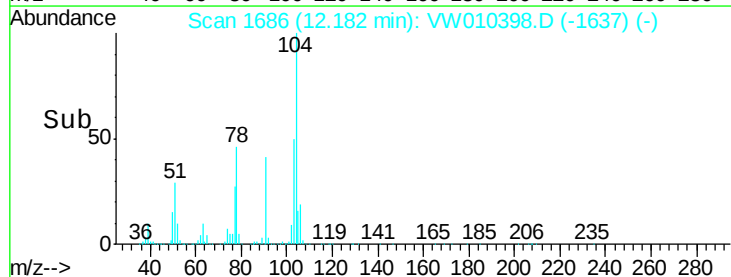
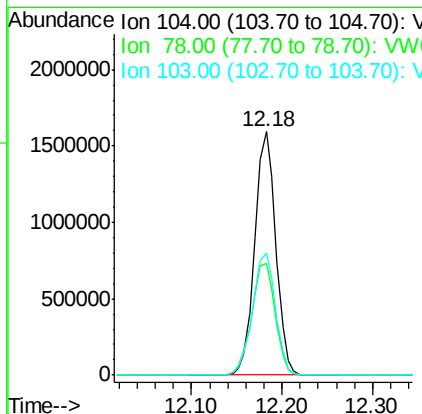
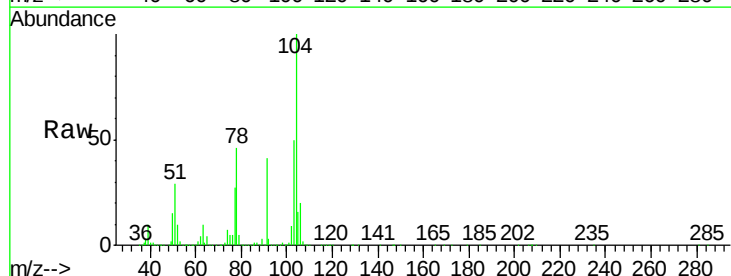
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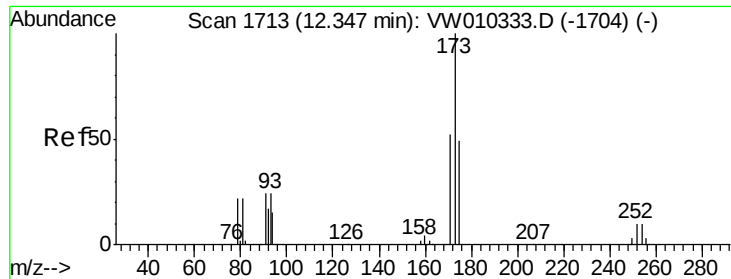
MMDadoda
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#70
Styrene
Concen: 60.393 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion:104 Resp: 2561321
Ion Ratio Lower Upper
104 100
78 51.5 42.5 63.7
103 54.8 43.6 65.4





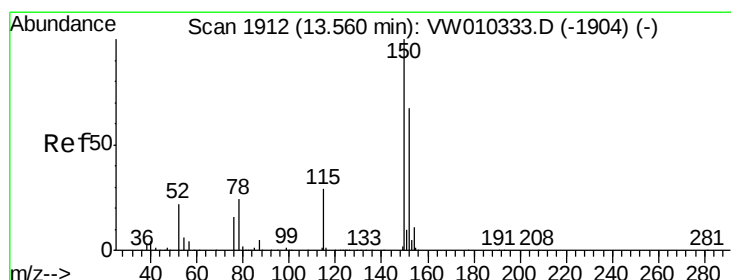
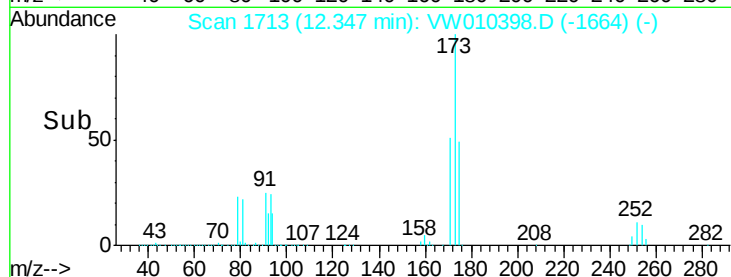
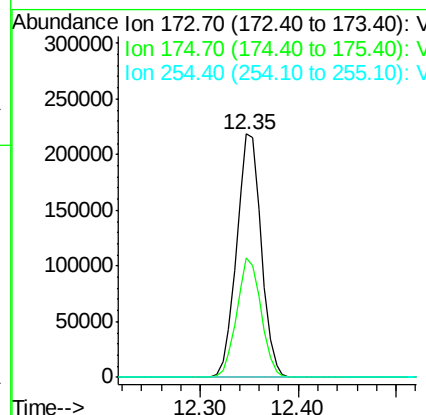
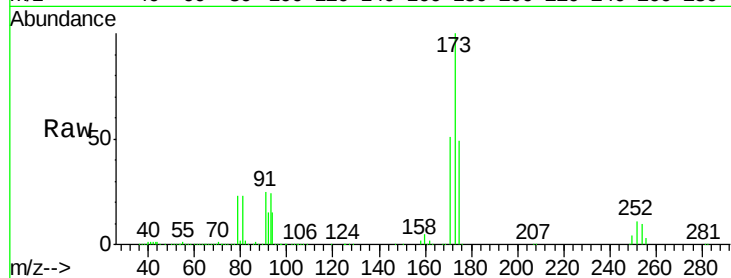
#71
Bromoform
Concen: 49.924 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.1	0.1	0.1

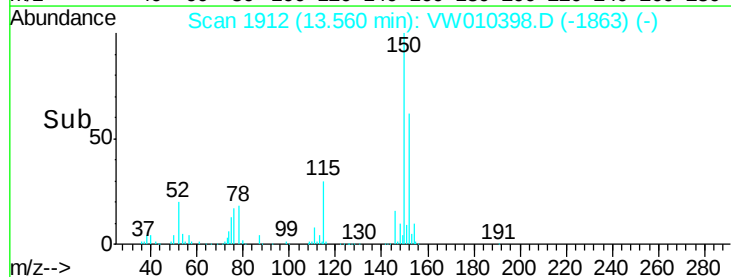
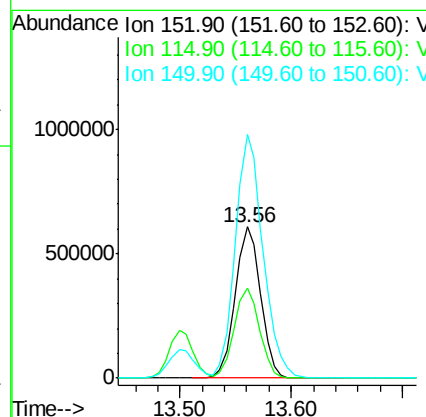
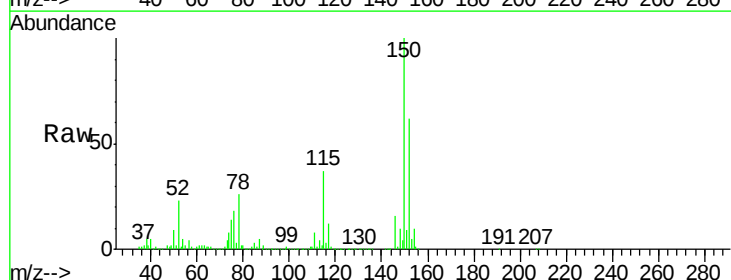
Manual Integrations
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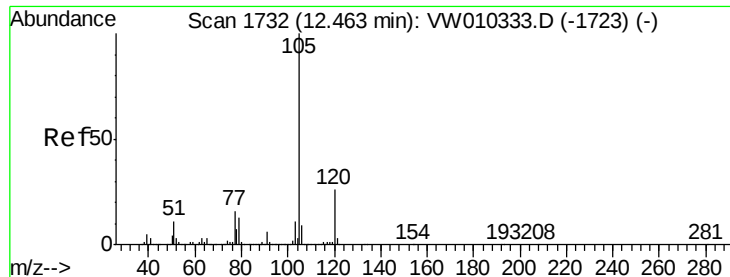
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.4	91.2
150	175.7	0.0	347.0





#73

Isopropylbenzene

Concen: 58.827 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 4115509

Ion Ratio Lower Upper

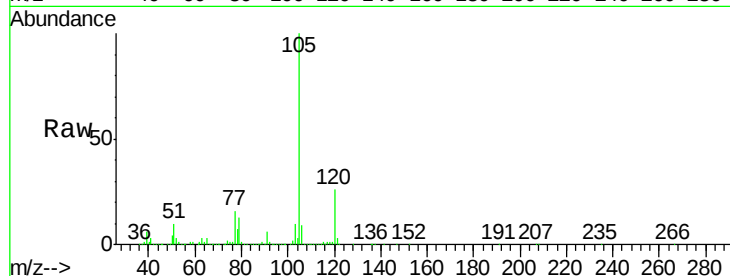
105 100

120 26.1 13.1 39.1

Manual Integrations
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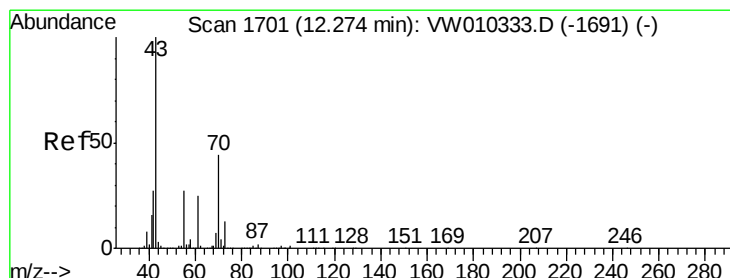
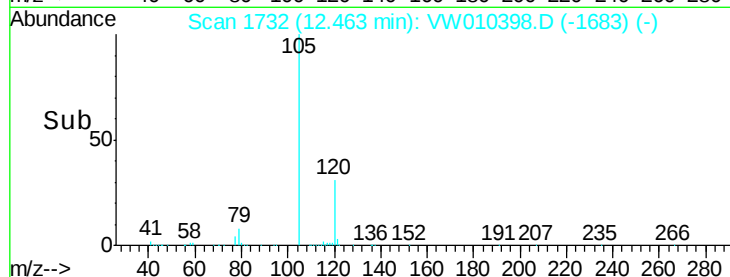
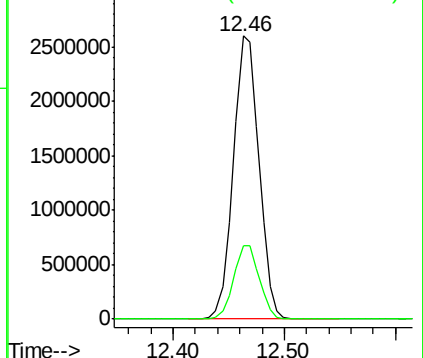
MMDadoda

5/13/2019 12:27:05 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.677 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion: 43 Resp: 897853

Ion Ratio Lower Upper

43 100

70 43.4 31.3 46.9

55 28.0 20.0 30.0

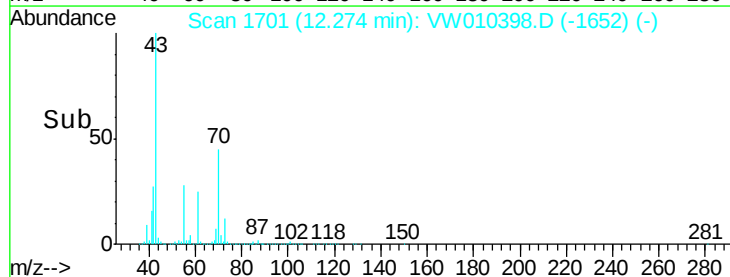
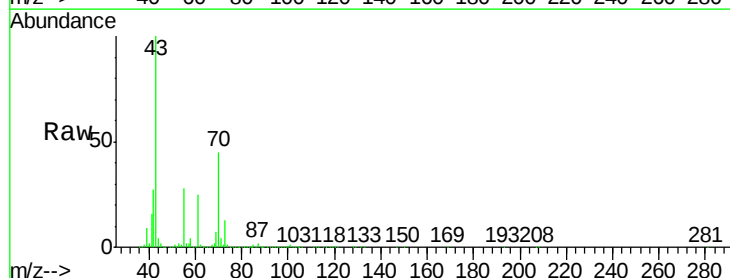
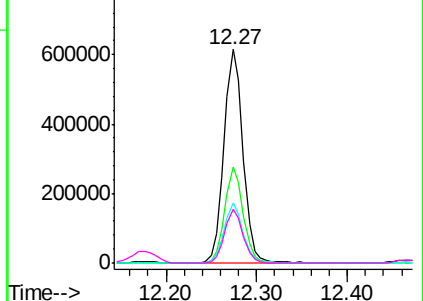
61 24.5 17.8 26.8

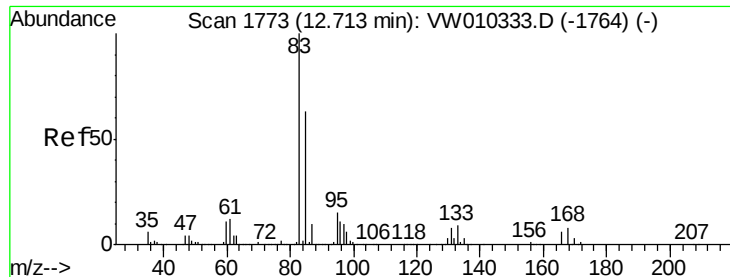
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 45.935 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 708071
Ion Ratio Lower Upper

83 100

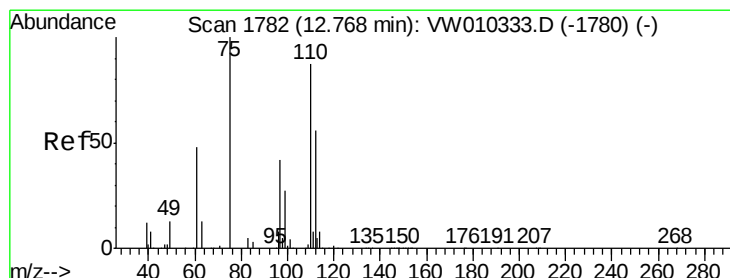
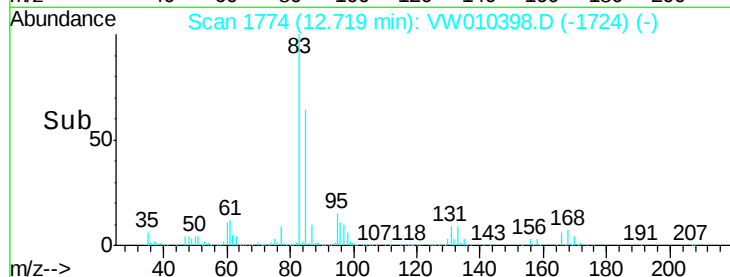
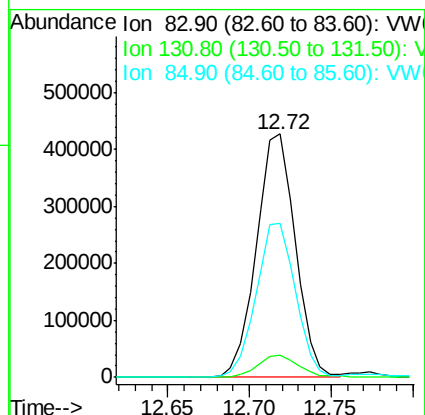
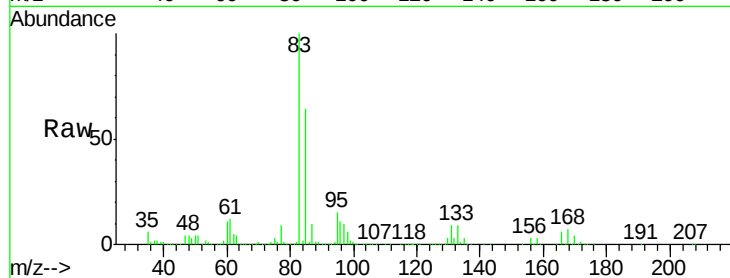
131 9.7 5.3 15.8

85 64.0 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 45.259 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

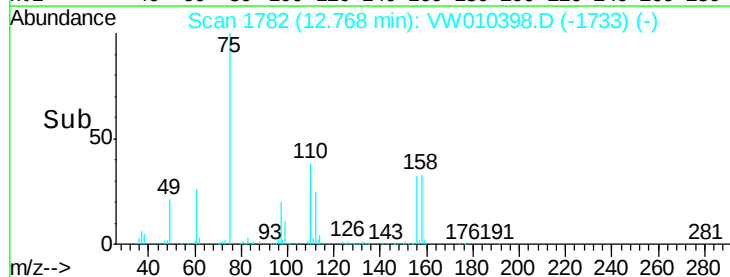
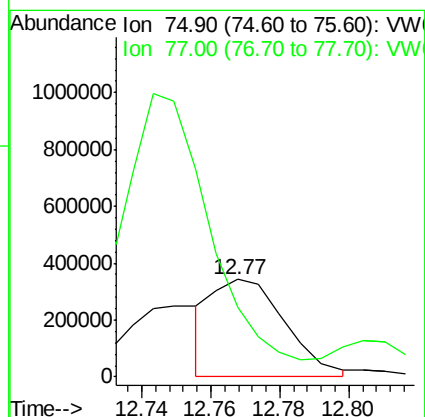
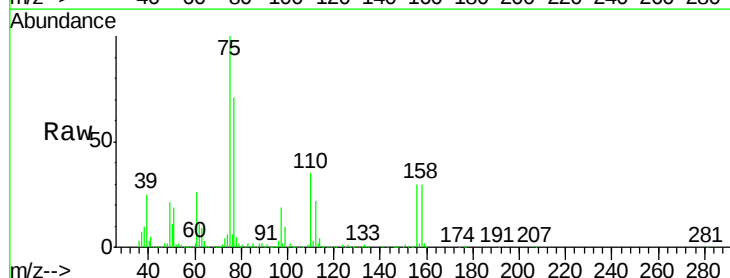
Lab File: VW010398.D

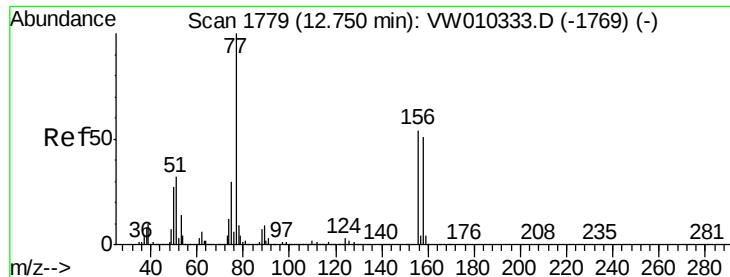
Acq: 12 May 2019 10:04

Tgt Ion: 75 Resp: 506469
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





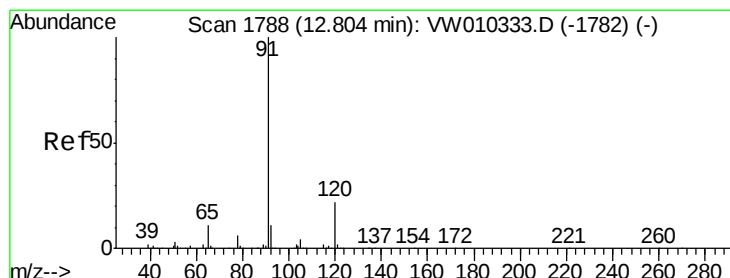
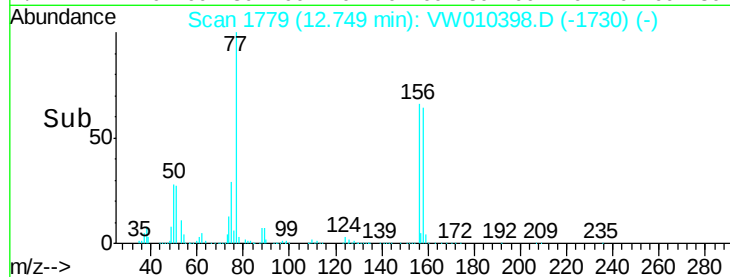
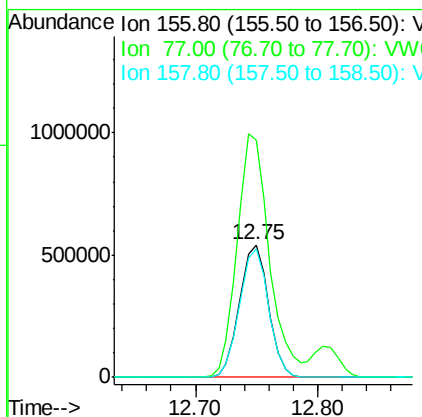
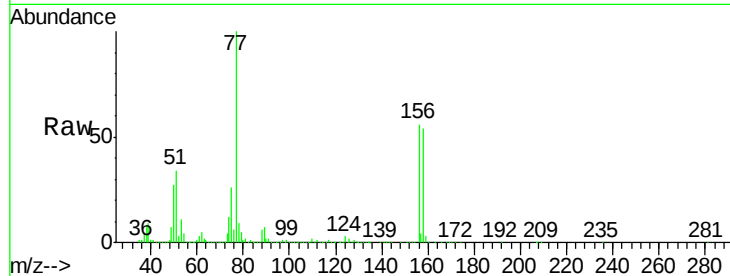
#77
Bromobenzene
Concen: 56.382 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	203.8	102.5	307.4
158	97.2	48.8	146.4

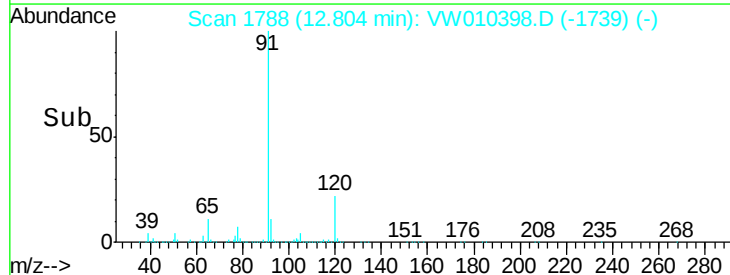
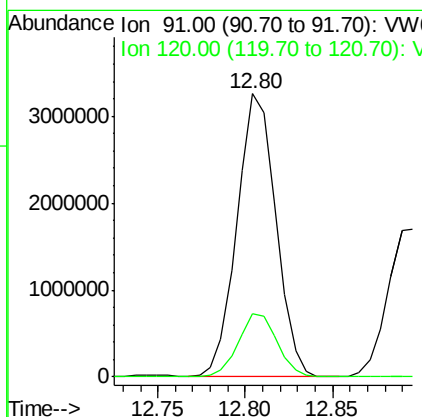
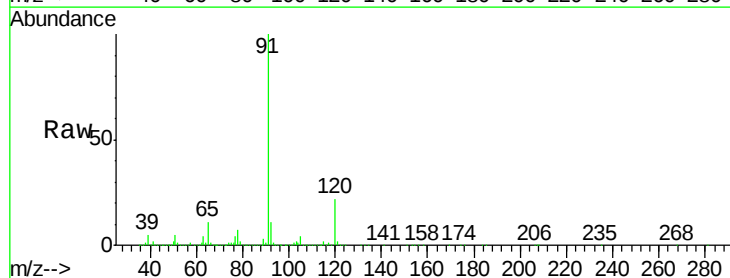
Manual Integrations
APPROVED

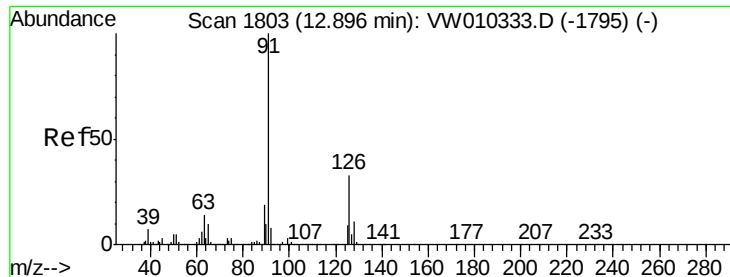
MMDadoda
5/13/2019 12:27:05 PM



#78
n-propylbenzene
Concen: 58.423 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





#79

2-Chlorotoluene

Concen: 57.505 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2829608

Ion Ratio Lower Upper

91 100

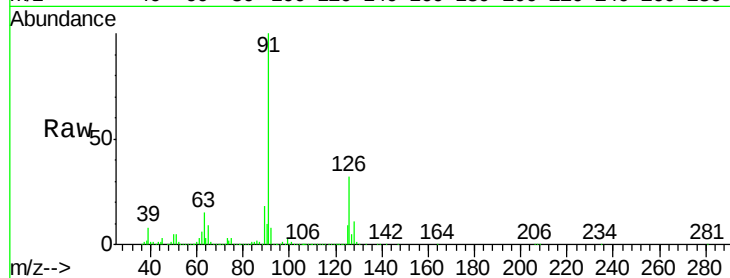
126 32.1 16.3 48.8

Manual Integrations

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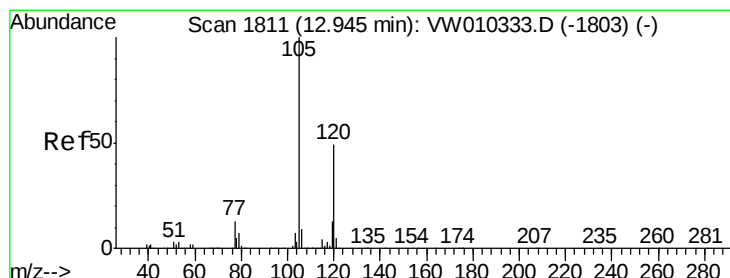
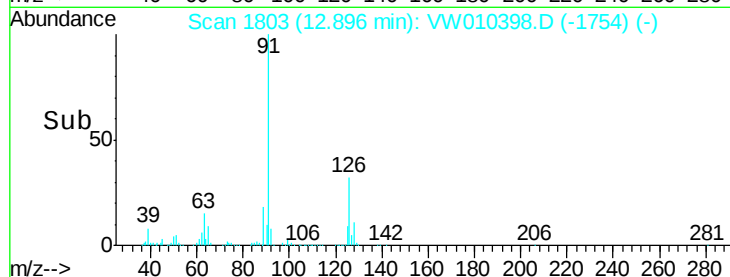
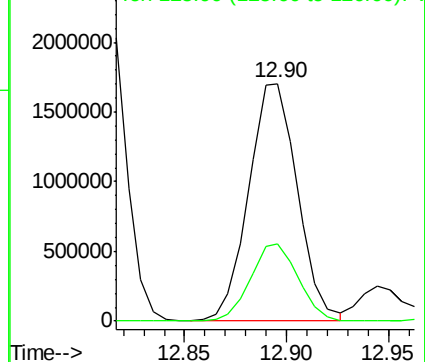
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.358 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010398.D

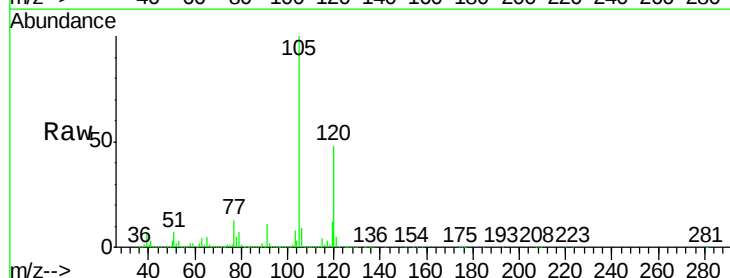
Acq: 12 May 2019 10:04

Tgt Ion:105 Resp: 3500875

Ion Ratio Lower Upper

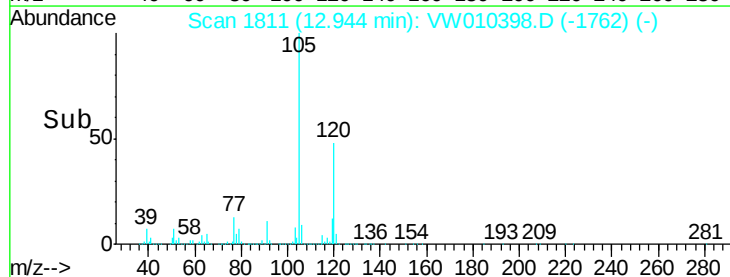
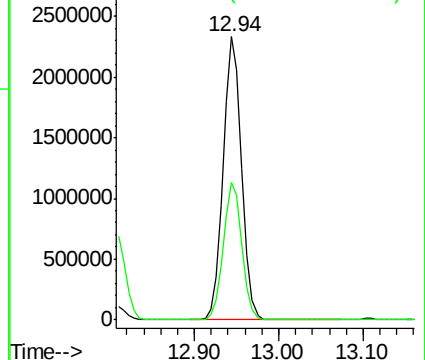
105 100

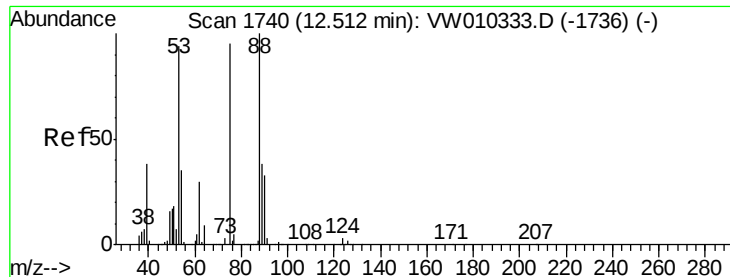
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





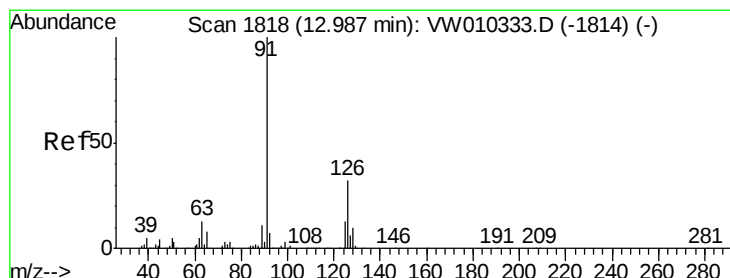
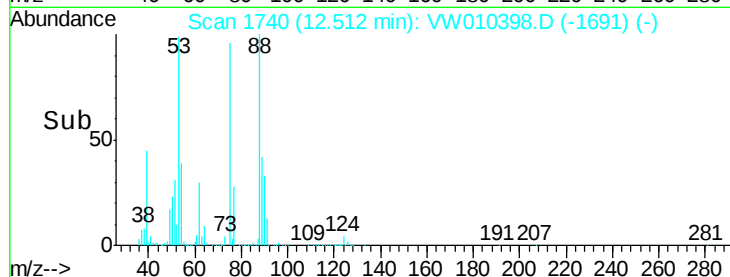
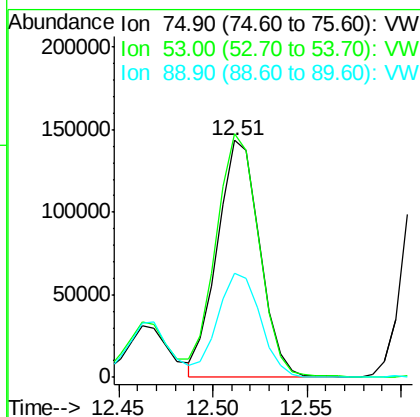
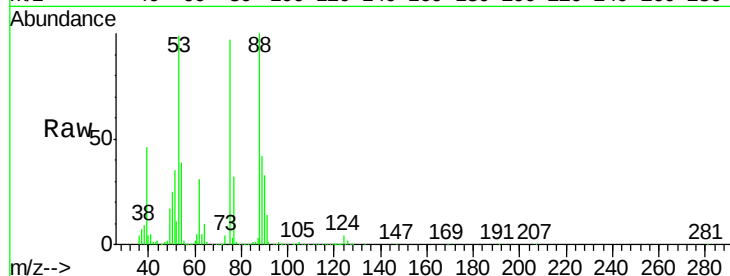
#81
trans-1,4-Dichloro-2-butene
Concen: 45.029 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	89.8	134.8
89	44.5	36.6	54.8

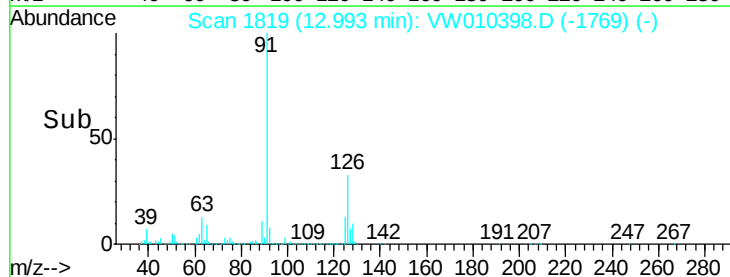
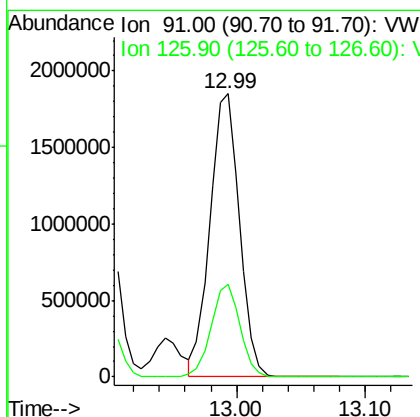
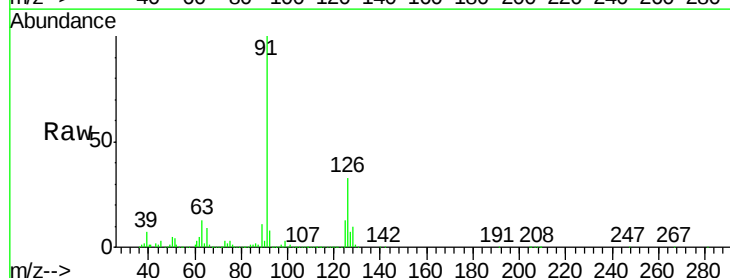
Manual Integrations
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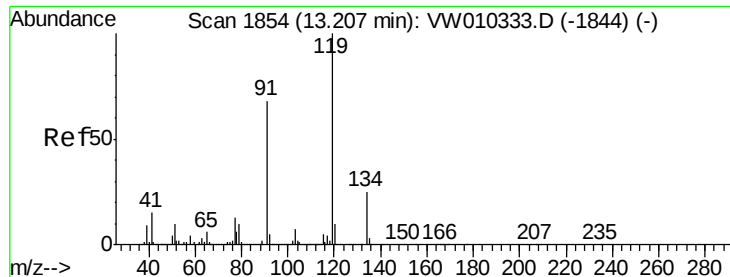
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#82
4-Chlorotoluene
Concen: 57.547 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





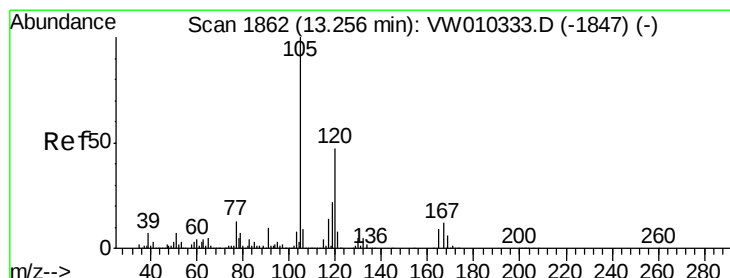
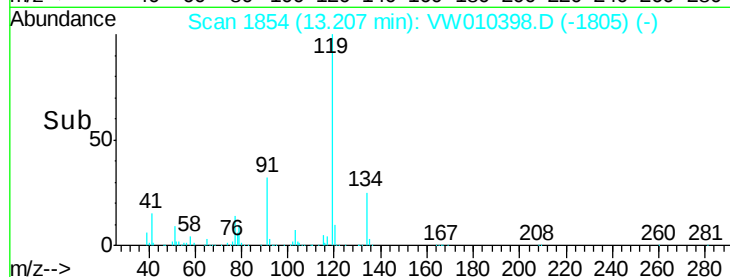
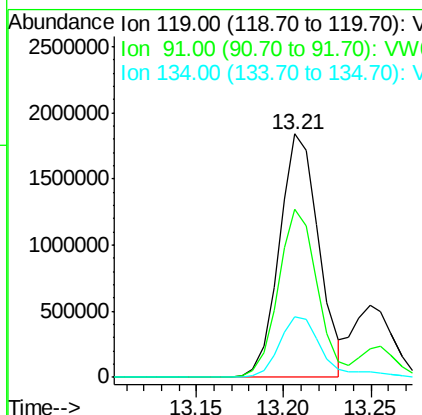
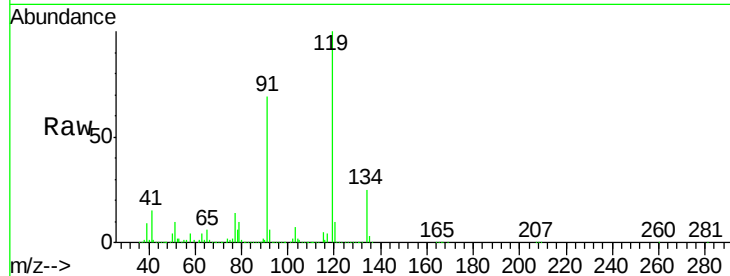
#83
tert-Butylbenzene
Concen: 58.774 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.4
134	27.3	13.7	41.1

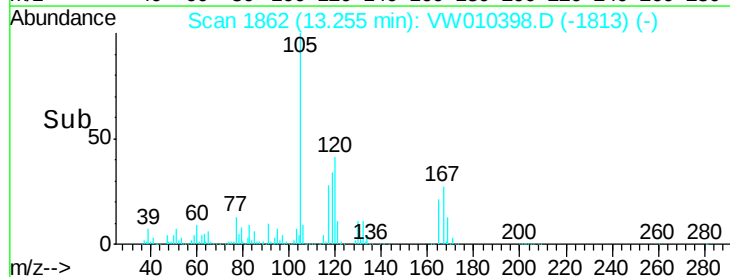
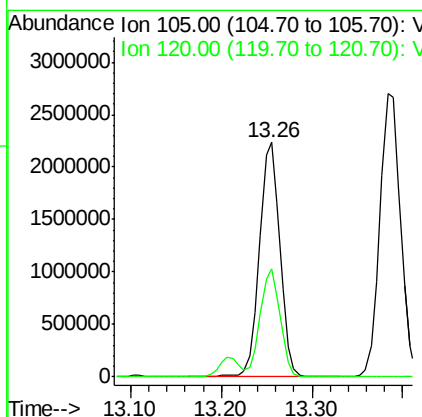
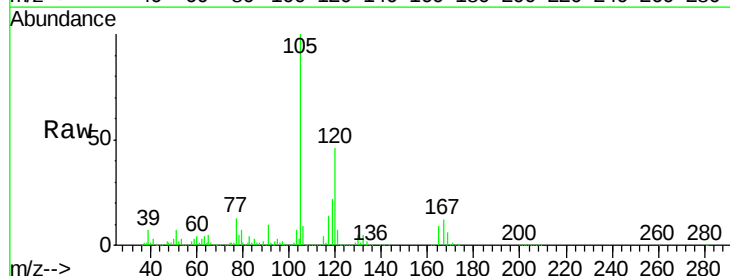
Manual Integrations
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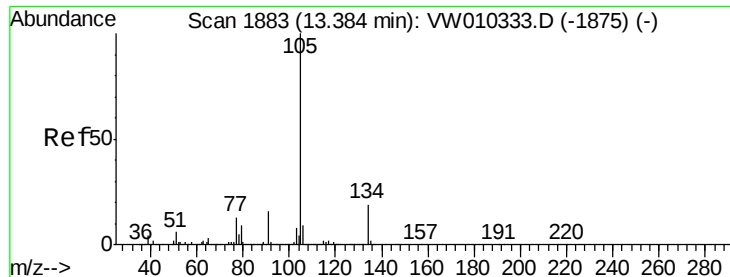
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 59.431 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





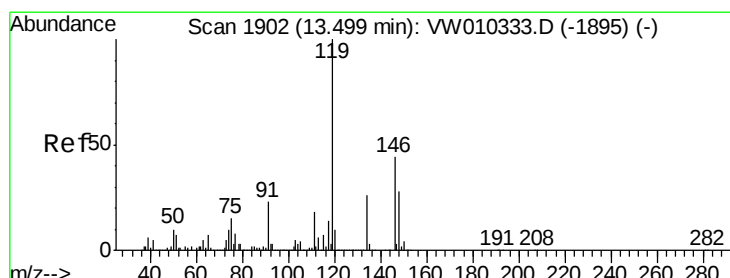
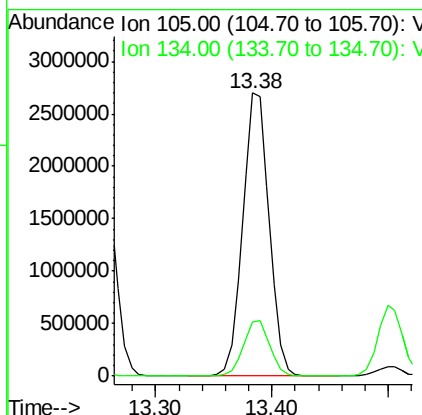
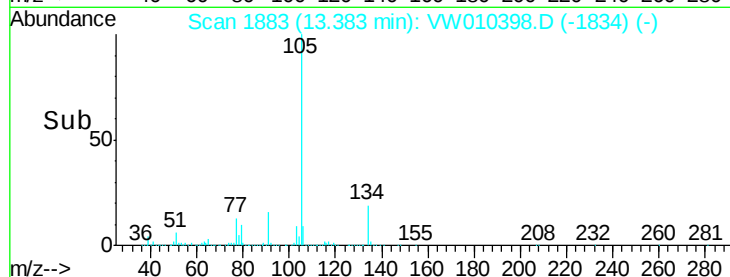
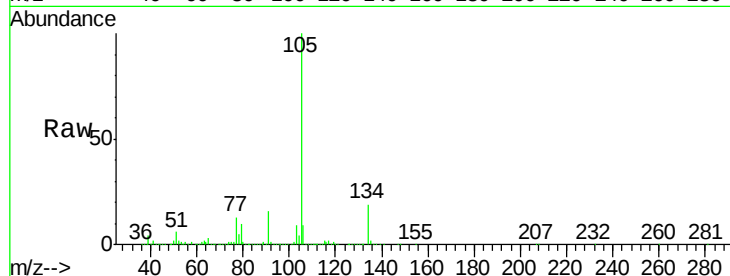
#85
 sec-Butylbenzene
 Concen: 58.563 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 4252959
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5

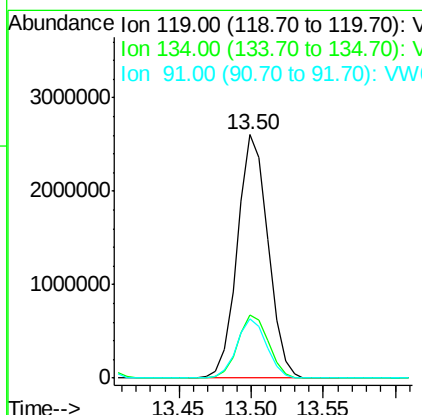
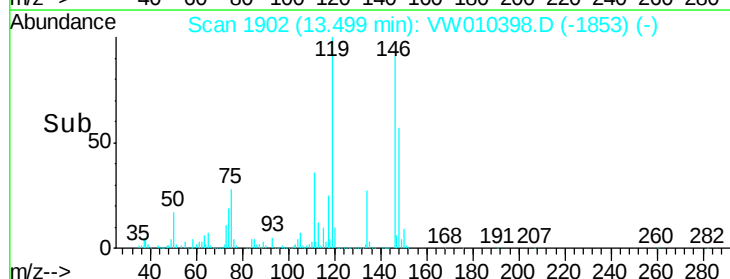
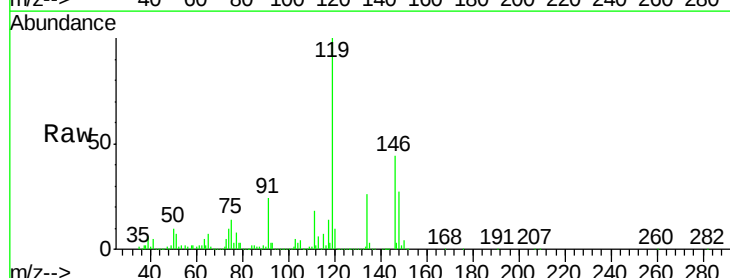
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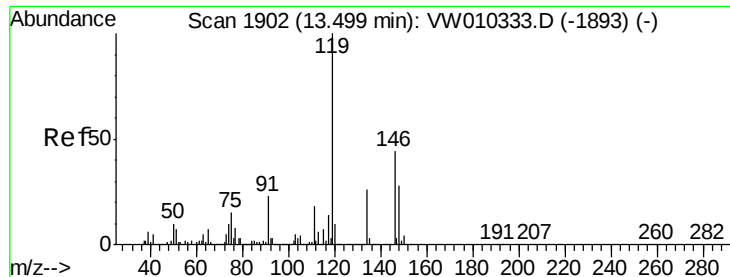
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#86
 p-Isopropyltoluene
 Concen: 59.526 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion:119 Resp: 3838222
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 57.072 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

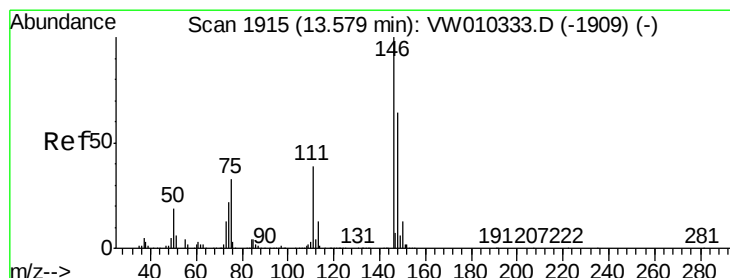
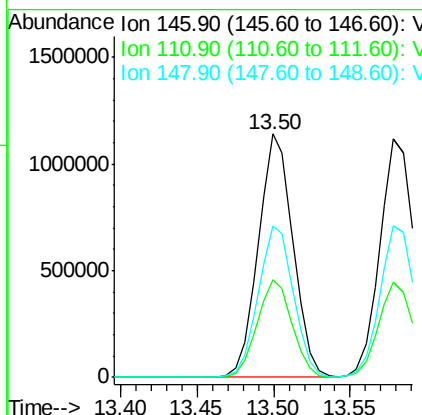
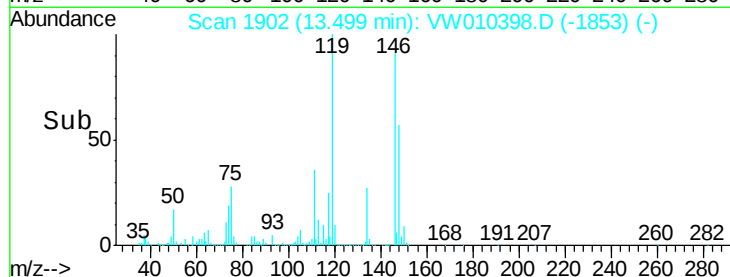
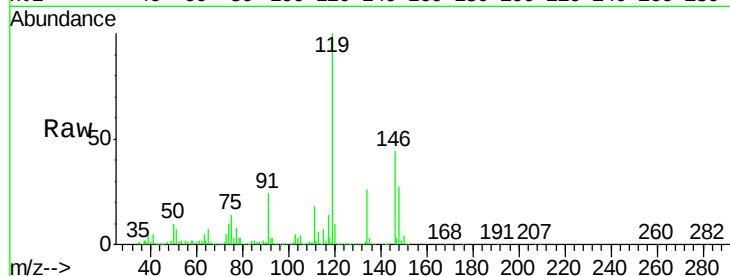
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	63.4	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 56.162 ug/l

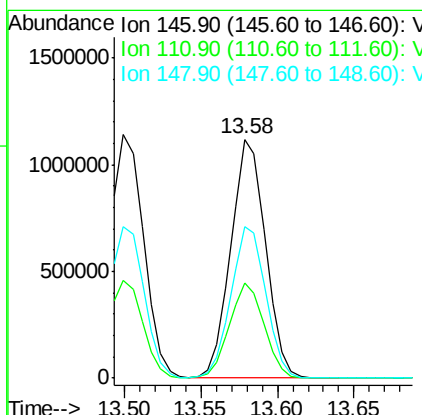
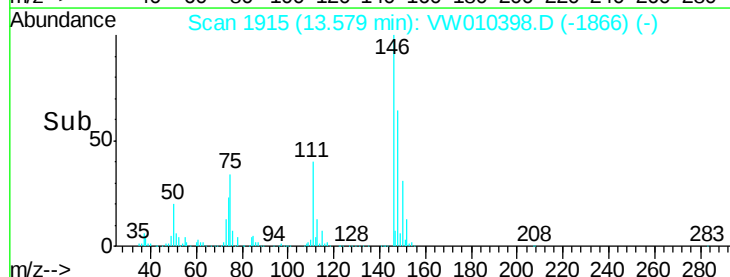
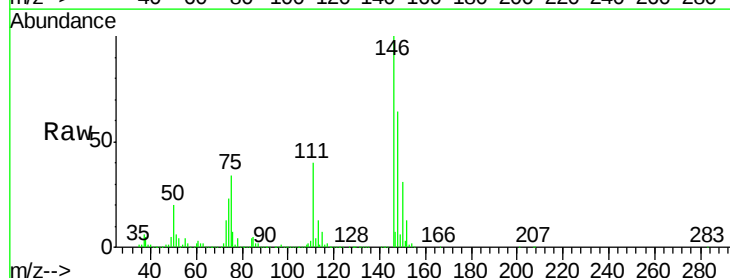
RT: 13.58 min Scan# 1915

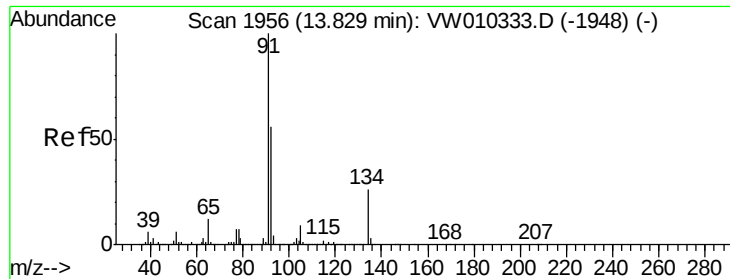
Delta R.T. -0.00 min

Lab File: VW010398.D

Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.0	31.8	95.3





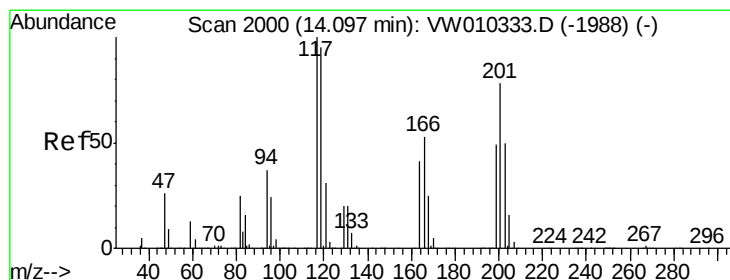
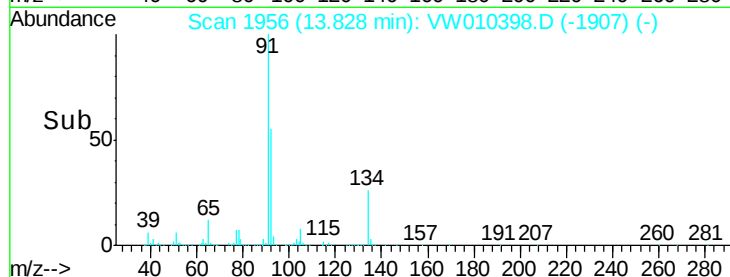
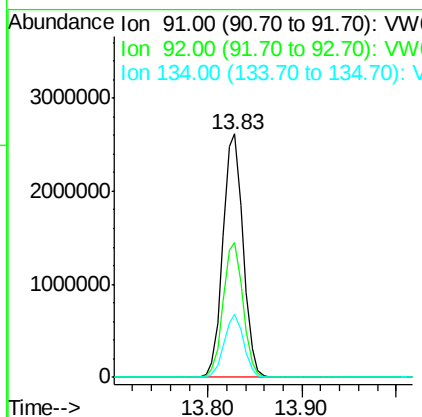
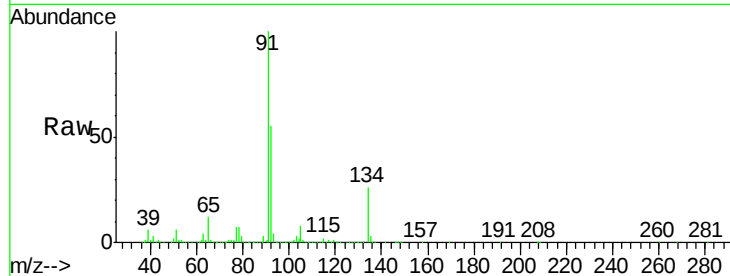
#89
n-Butylbenzene
Concen: 59.667 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3857634
Ion Ratio Lower Upper
91 100
92 54.9 26.5 79.4
134 25.1 12.4 37.0

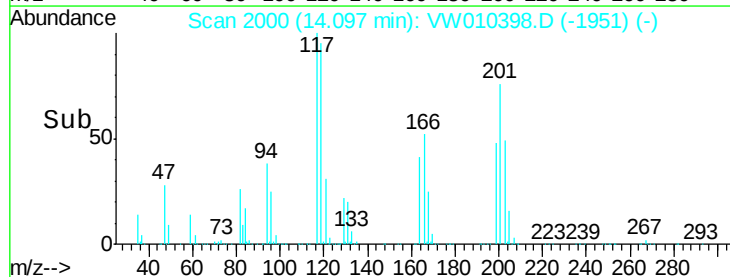
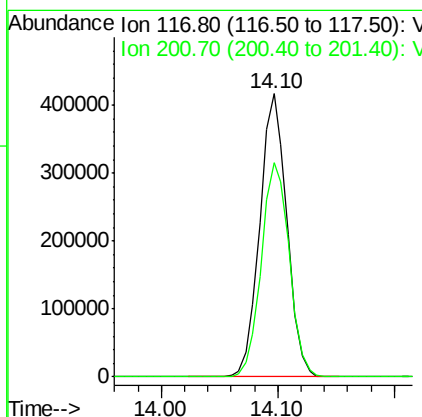
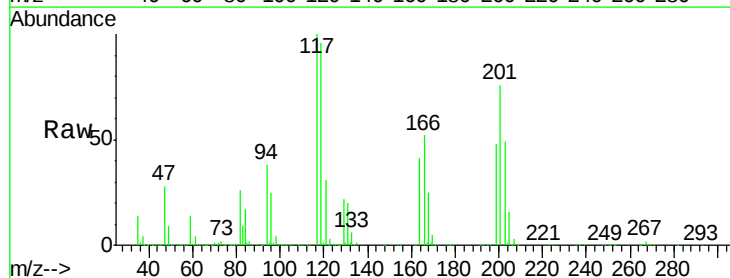
Manual Integrations
APPROVED

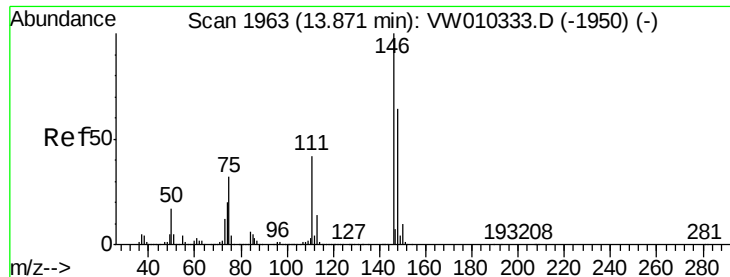
MMDadoda
5/13/2019 12:27:05 PM



#90
Hexachloroethane
Concen: 56.443 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion: 117 Resp: 675021
Ion Ratio Lower Upper
117 100
201 77.9 36.1 108.3





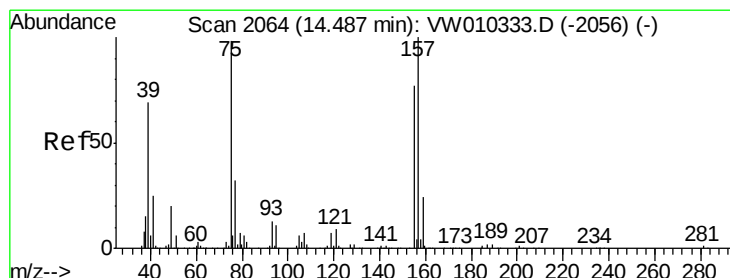
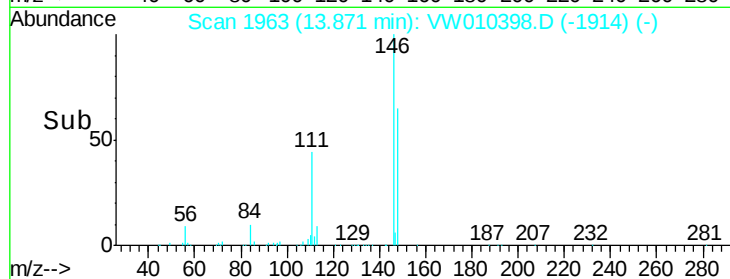
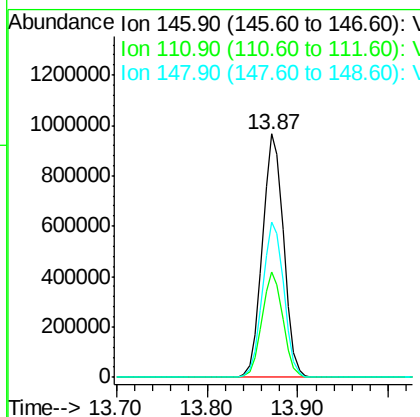
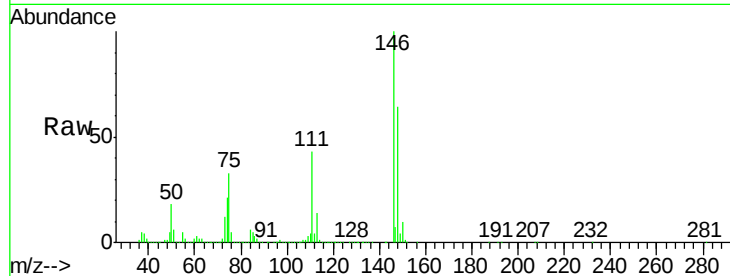
#91
 1,2-Dichlorobenzene
 Concen: 55.712 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	64.3	31.9	95.7

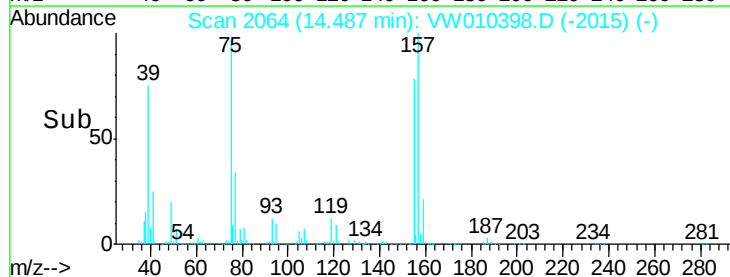
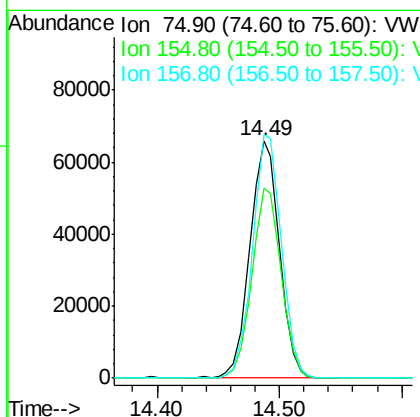
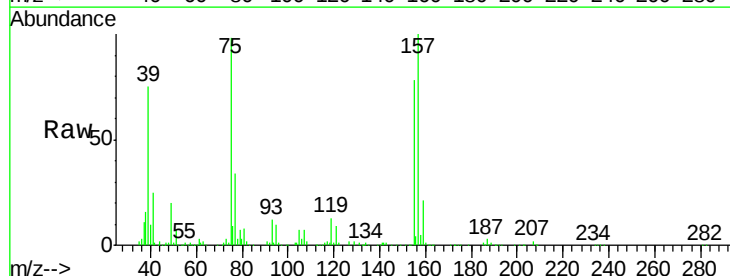
Manual Integrations
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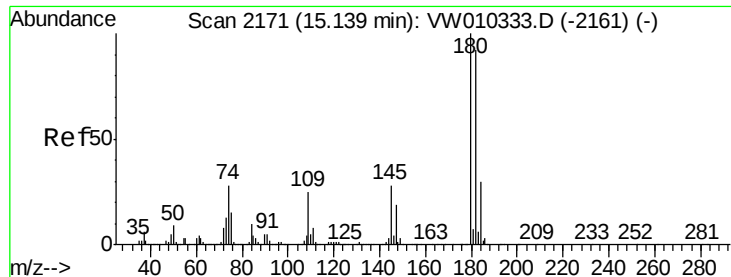
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.060 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.1	111.5
157	100.6	47.3	141.9





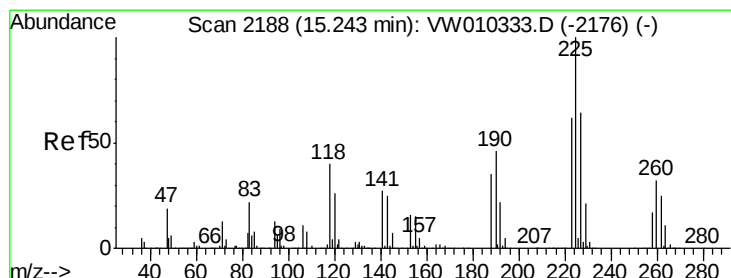
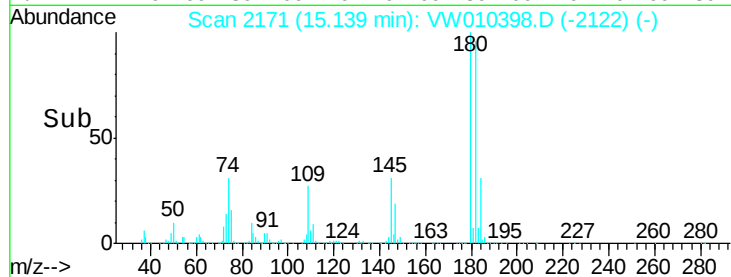
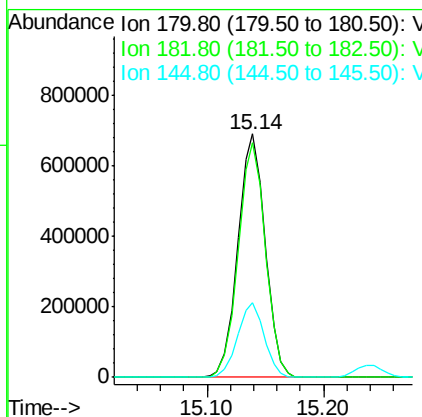
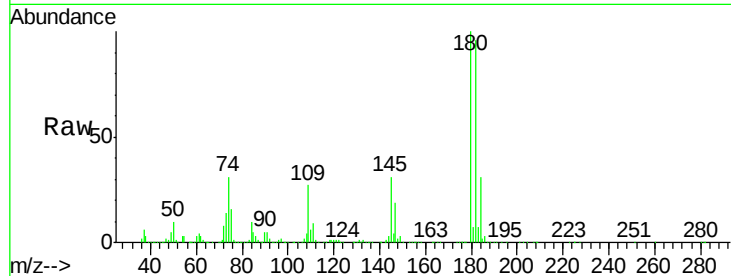
#93
 1,2,4-Trichlorobenzene
 Concen: 59.110 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.4
145	30.3	15.2	45.6

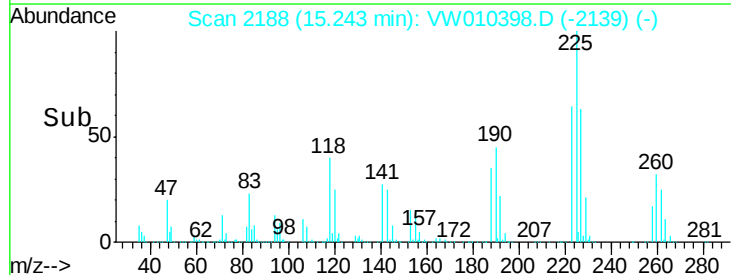
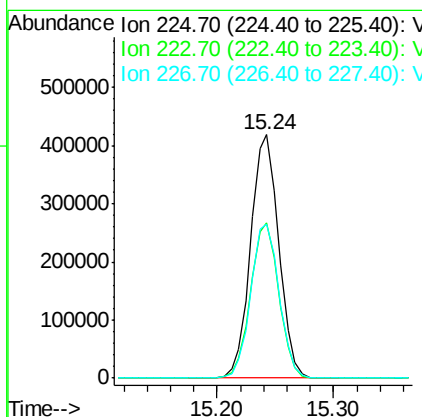
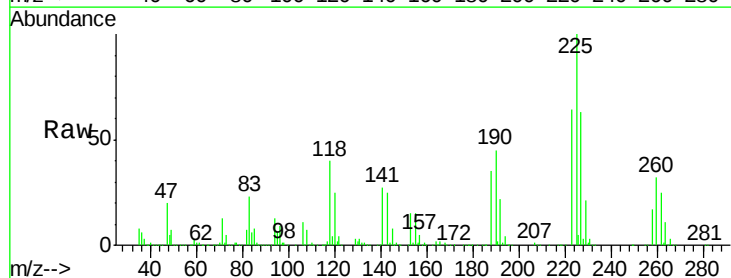
Manual Integrations
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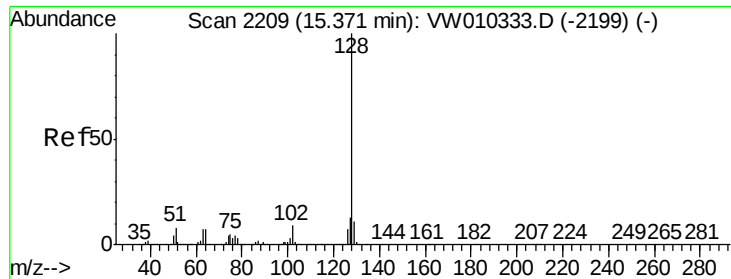
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#94
 Hexachlorobutadiene
 Concen: 57.727 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010398.D
 Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.5
227	64.1	31.8	95.3





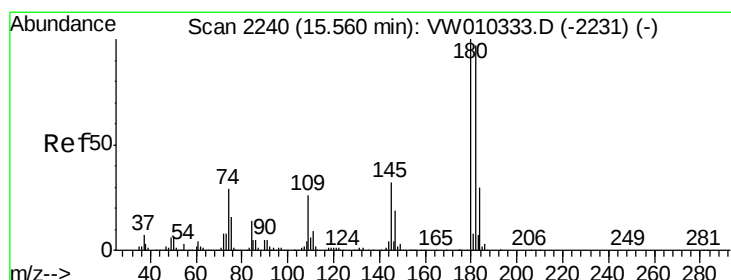
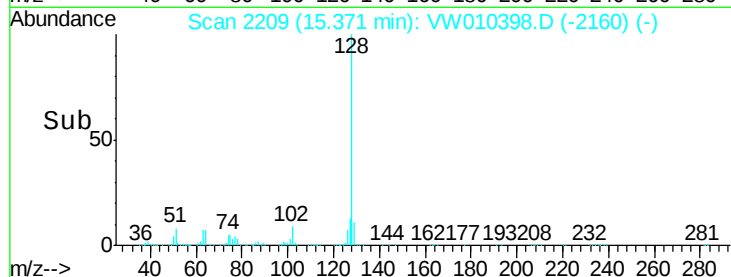
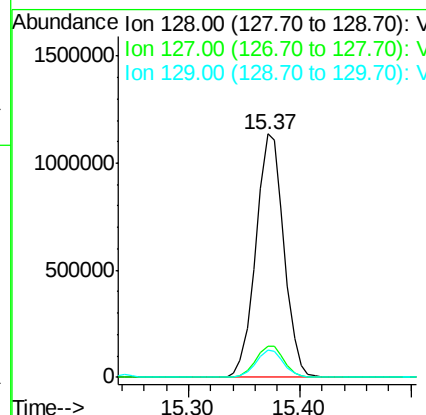
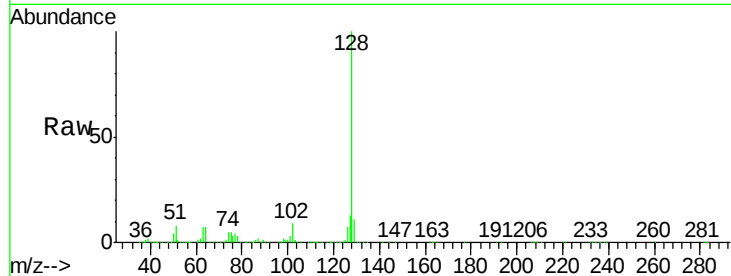
#95
Naphthalene
Concen: 45.994 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.212 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010398.D
Acq: 12 May 2019 10:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.3
145	31.7	16.4	49.2

