

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010028.D
 Acq On : 17 Apr 2019 21:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:36 AM

Quant Time: Apr 18 04:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	386729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	627574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	586662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	301813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	260085	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.88	113	206379	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.32	98	792003	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	291294	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	141400	47.953	ug/l	98
3) Chloromethane	2.21	50	154549	52.411	ug/l	96
4) Vinyl Chloride	2.37	62	173973	50.755	ug/l	97
5) Bromomethane	2.78	94	114596	49.748	ug/l	99
6) Chloroethane	2.92	64	113063	50.483	ug/l	92
7) Trichlorofluoromethane	3.25	101	102002	43.040	ug/l	95
8) Diethyl Ether	3.67	74	107224	54.391	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	185322	46.472	ug/l	99
10) Methyl Iodide	4.27	142	280243	50.852	ug/l	100
11) Tert butyl alcohol	5.18	59	81548	299.983	ug/l	99
12) 1,1-Dichloroethene	4.03	96	191341	50.048	ug/l	96
13) Acrolein	3.89	56	59391	207.670	ug/l	97
14) Allyl chloride	4.65	41	315187	46.371	ug/l	99
15) Acrylonitrile	5.36	53	282538	278.496	ug/l	99
16) Acetone	4.12	43	246017	222.176	ug/l	100
17) Carbon Disulfide	4.38	76	556684	48.378	ug/l	99
18) Methyl Acetate	4.67	43	138881	54.192	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	291117	58.625	ug/l	99
20) Methylene Chloride	4.91	84	223342	52.048	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	217038	52.425	ug/l	98
22) Diisopropyl ether	6.31	45	744696	54.013	ug/l	98
23) Vinyl Acetate	6.25	43	2591424	298.576	ug/l	99
24) 1,1-Dichloroethane	6.21	63	417198	50.619	ug/l	99
25) 2-Butanone	7.17	43	435697	299.536	ug/l	99
26) 2,2-Dichloropropane	7.16	77	199576	43.767	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	244298	53.655	ug/l	97
28) Bromochloromethane	7.51	49	175922	52.229	ug/l	96
29) Tetrahydrofuran	7.52	42	291850	316.655	ug/l	99
30) Chloroform	7.67	83	422197	51.122	ug/l	96
31) Cyclohexane	7.95	56	372959	48.323	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	314623	48.528	ug/l	99
36) 1,1-Dichloropropene	8.07	75	325317	50.747	ug/l	100
37) Ethyl Acetate	7.25	43	198812	61.032	ug/l	99
38) Carbon Tetrachloride	8.06	117	303726	48.546	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	378428	48.548	ug/l	98
40) Benzene	8.32	78	907051	51.748	ug/l	99
41) Methacrylonitrile	7.48	41	119737	64.494	ug/l	93
42) 1,2-Dichloroethane	8.40	62	322374	53.517	ug/l	99
43) Isopropyl Acetate	8.42	43	367630	60.226	ug/l	97
44) Trichloroethene	9.09	130	225520	50.656	ug/l	97
45) 1,2-Dichloropropane	9.37	63	236773	51.391	ug/l	97
46) Dibromomethane	9.46	93	130963	54.844	ug/l	100
47) Bromodichloromethane	9.64	83	327123	53.068	ug/l	99
48) Methyl methacrylate	9.43	41	176167	59.288	ug/l	97
49) 1,4-Dioxane	9.45	88	43031	1179.340	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	999249	312.548	ug/l	100
52) Toluene	10.38	92	570862	52.283	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	333596	54.584	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	377761	54.131	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	181562	54.475	ug/l	100
56) Ethyl methacrylate	10.65	69	266473	57.176	ug/l	99
57) 1,3-Dichloropropane	10.93	76	333322	55.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	596123	299.324	ug/l	100
59) 2-Hexanone	10.97	43	706090	317.268	ug/l	99
60) Dibromochloromethane	11.13	129	215005	55.814	ug/l	100
61) 1,2-Dibromoethane	11.23	107	177464	55.973	ug/l	98
64) Tetrachloroethene	10.86	164	201435	52.892	ug/l	98
65) Chlorobenzene	11.66	112	603392	50.252	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	220865	51.436	ug/l	98
67) Ethyl Benzene	11.73	91	1111352	51.876	ug/l	98
68) m/p-Xylenes	11.84	106	829245	103.551	ug/l	100
69) o-Xylene	12.16	106	385380	52.852	ug/l	99
70) Styrene	12.18	104	687312	54.669	ug/l	100
71) Bromoform	12.35	173	125555	55.297	ug/l #	98
73) Isopropylbenzene	12.46	105	1065171	50.709	ug/l	100
74) N-amyl acetate	12.27	43	345396	59.376	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	226697	54.626	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	167249m	55.368	ug/l	
77) Bromobenzene	12.75	156	249039	51.550	ug/l	99
78) n-propylbenzene	12.80	91	1317860	50.621	ug/l	100
79) 2-Chlorotoluene	12.90	91	754552	50.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	923021	51.826	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	74267	57.973	ug/l	99
82) 4-Chlorotoluene	12.99	91	787442	49.970	ug/l	100
83) tert-Butylbenzene	13.21	119	752307	51.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	926425	51.305	ug/l	100
85) sec-Butylbenzene	13.38	105	1093257	49.602	ug/l	100
86) p-Isopropyltoluene	13.50	119	988870	50.903	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	487788	49.949	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	479658	49.208	ug/l	100
89) n-Butylbenzene	13.83	91	981187	50.980	ug/l	99
90) Hexachloroethane	14.10	117	182136	48.950	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	443394	50.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42952	57.834	ug/l	98

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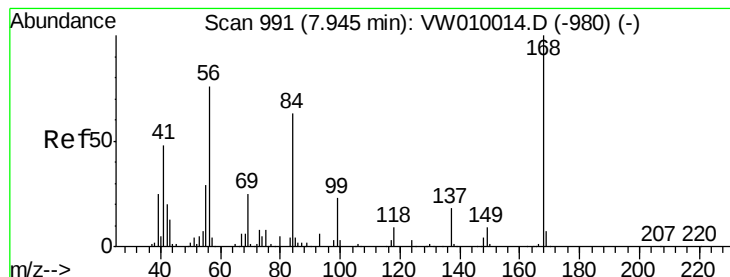
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	300291	51.984	ug/l	99
94) Hexachlorobutadiene	15.24	225	169837	48.415	ug/l	99
95) Naphthalene	15.37	128	631953	54.833	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	270529	53.979	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 386729

Ion Ratio Lower Upper

168 100

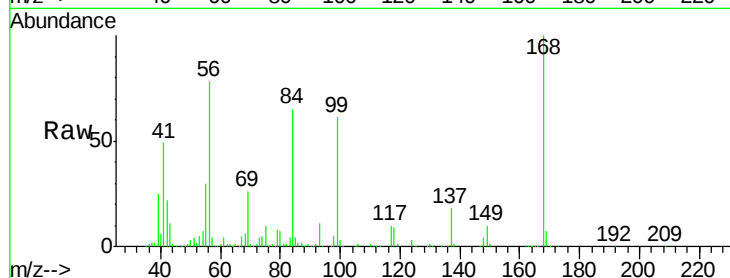
99 60.4 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

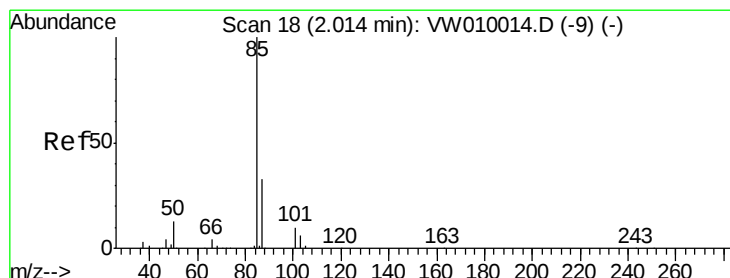
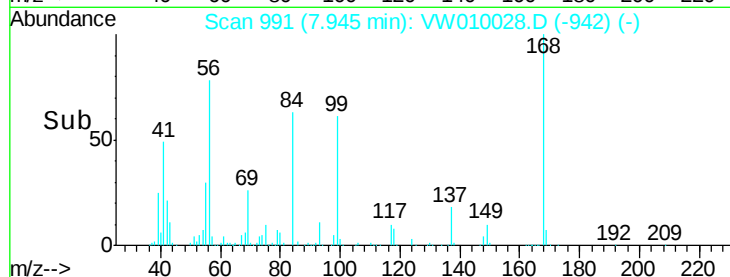
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50000

0

7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 47.953 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010028.D

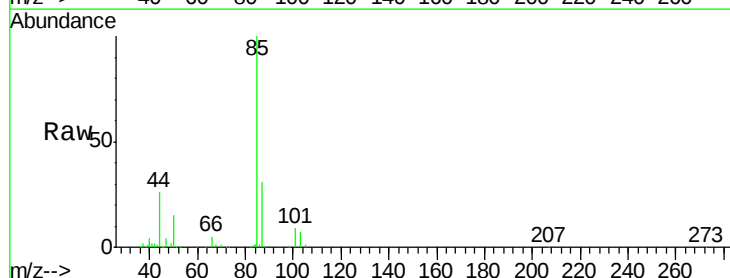
Acq: 17 Apr 2019 21:13

Tgt Ion: 85 Resp: 141400

Ion Ratio Lower Upper

85 100

87 31.4 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

40000

30000

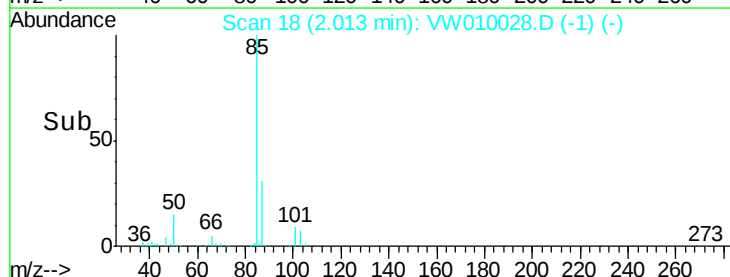
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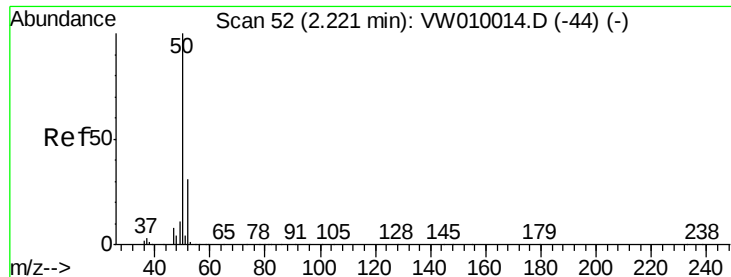
10000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 52.411 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 154549

Ion Ratio Lower Upper

50 100

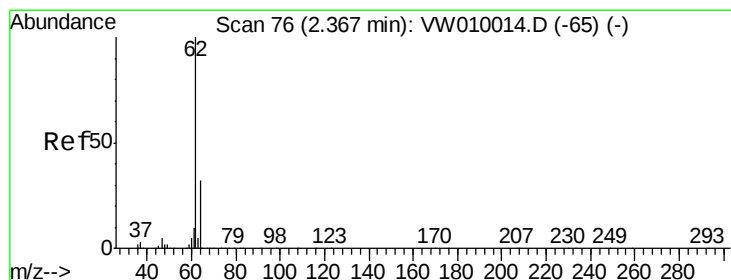
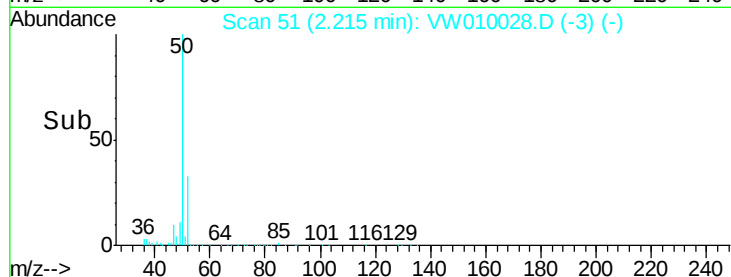
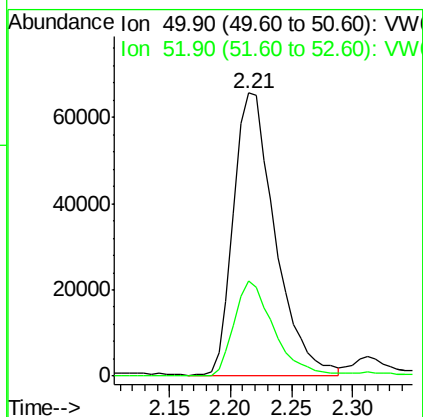
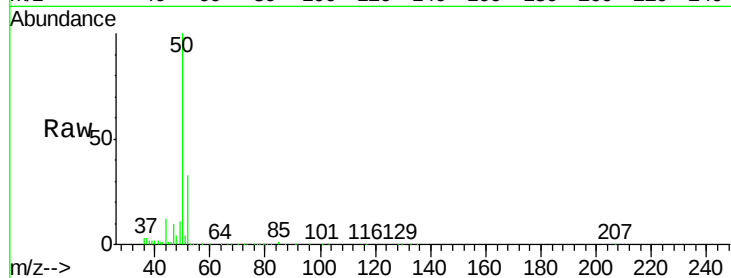
52 33.6 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.755 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010028.D

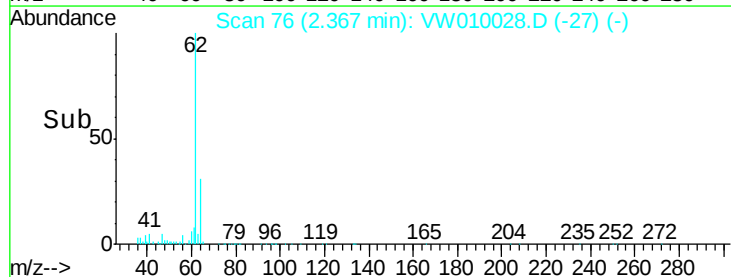
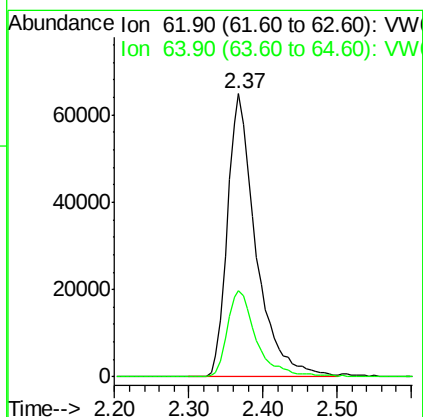
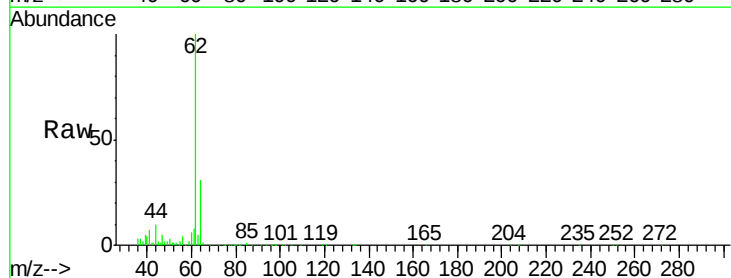
Acq: 17 Apr 2019 21:13

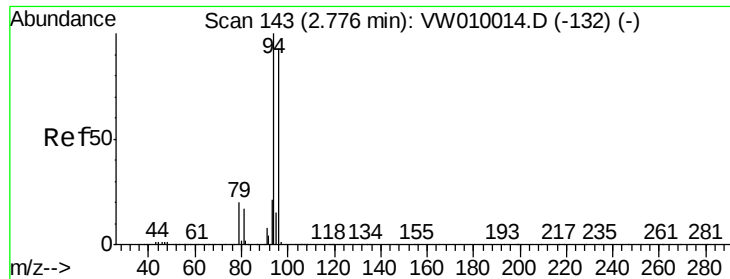
Tgt Ion: 62 Resp: 173973

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9





#5

Bromomethane

Concen: 49.748 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 114596

Ion Ratio Lower Upper

94 100

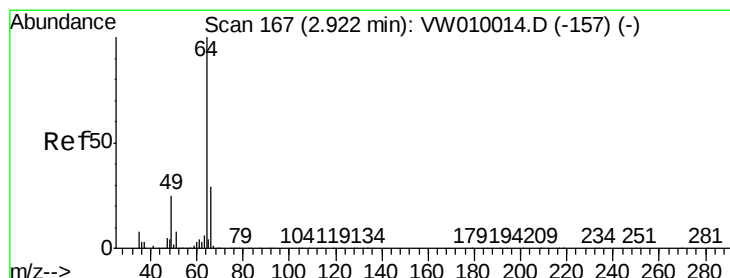
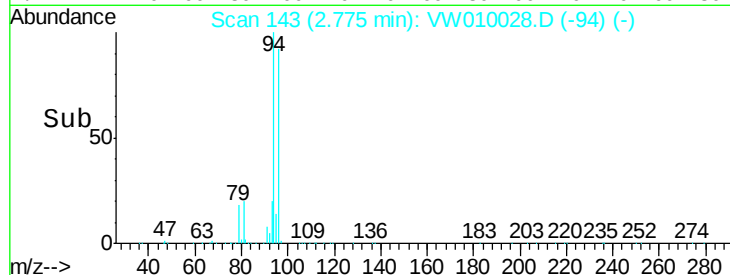
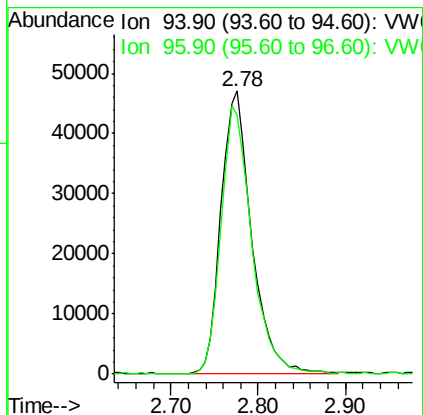
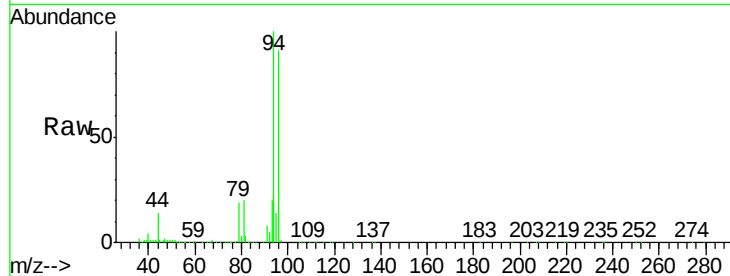
96 91.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 50.483 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010028.D

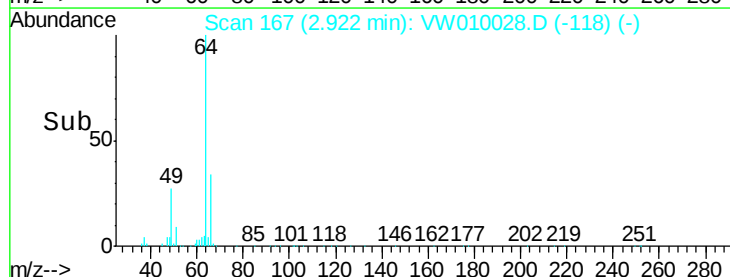
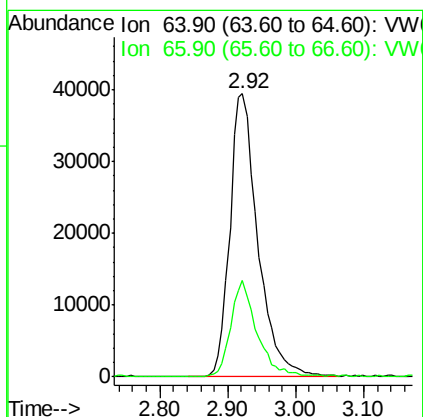
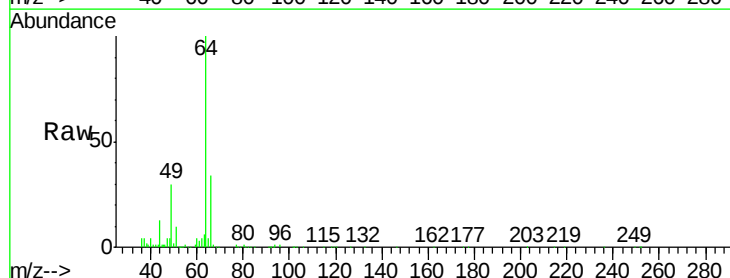
Acq: 17 Apr 2019 21:13

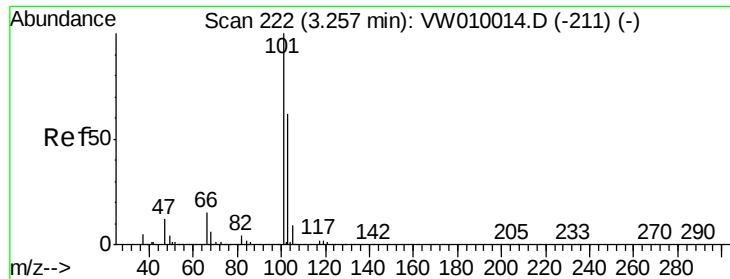
Tgt Ion: 64 Resp: 113063

Ion Ratio Lower Upper

64 100

66 33.7 23.4 35.0





#7

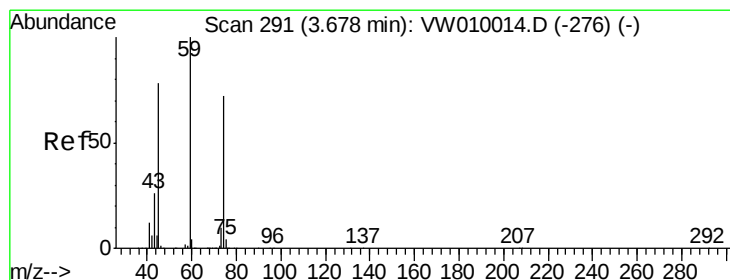
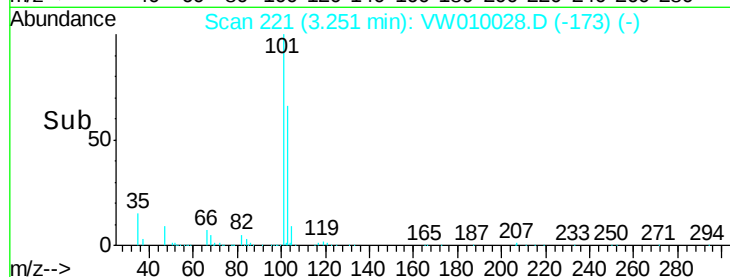
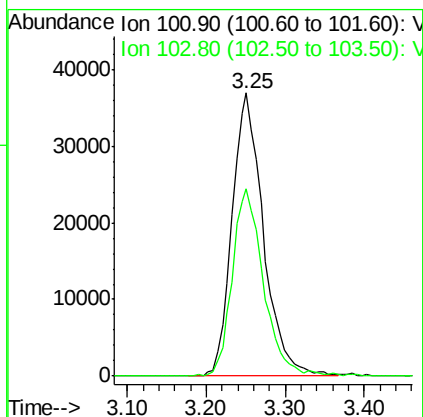
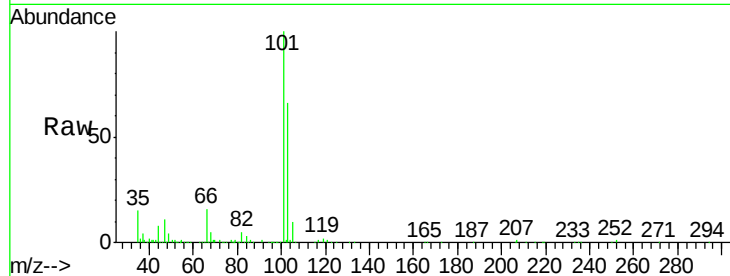
Trichlorofluoromethane
 Concen: 43.040 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.8	74.6

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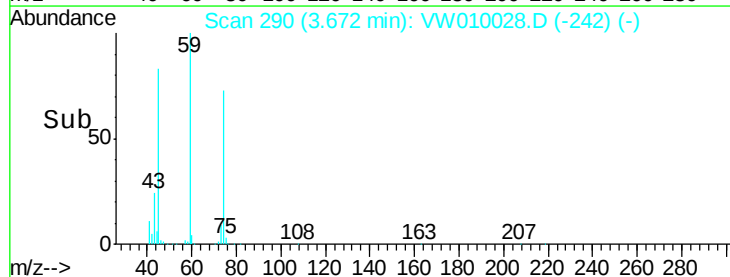
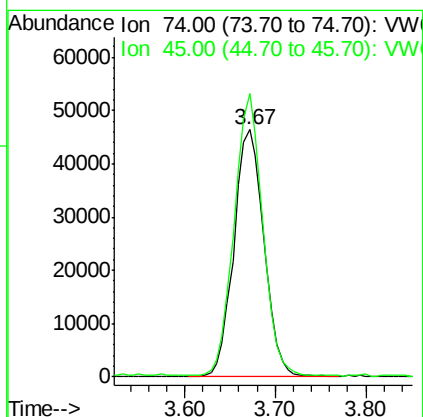
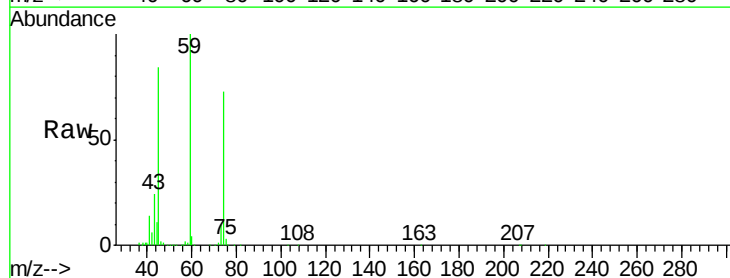
MMDadoda
 4/18/2019 11:39:36 AM

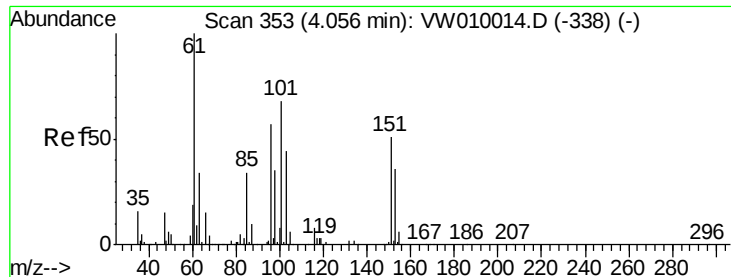


#8

Diethyl Ether
 Concen: 54.391 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.472 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

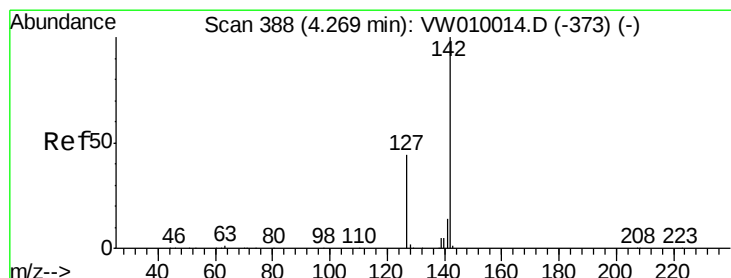
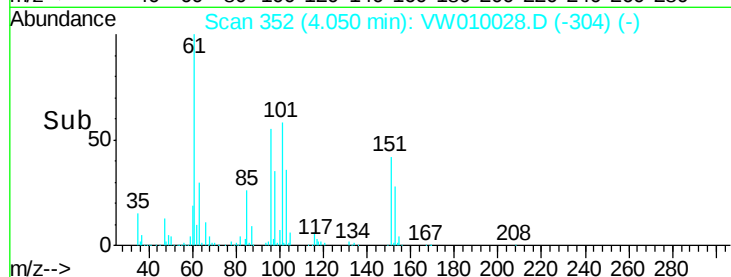
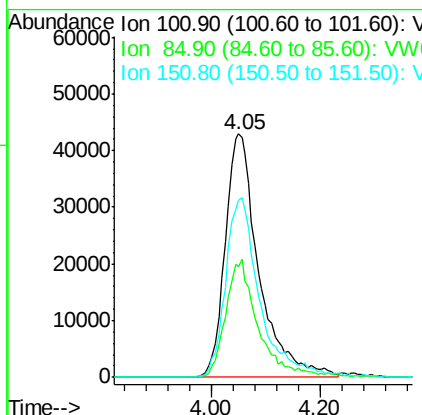
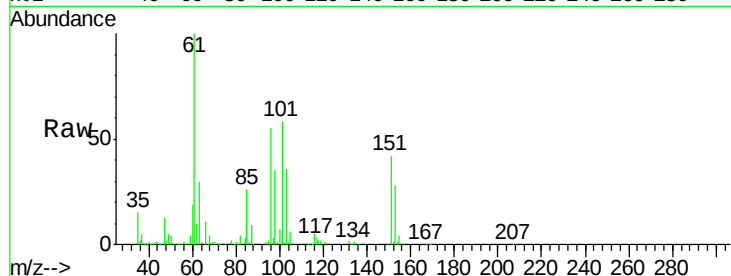
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	185322
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.3	54.5
151	74.9	60.2	90.2

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#10

Methyl Iodide

Concen: 50.852 ug/l

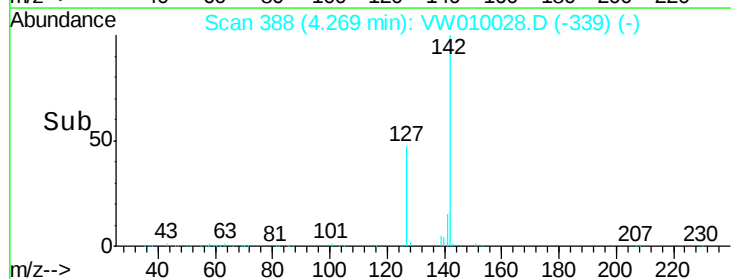
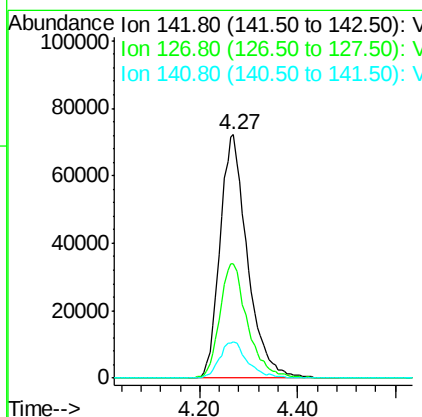
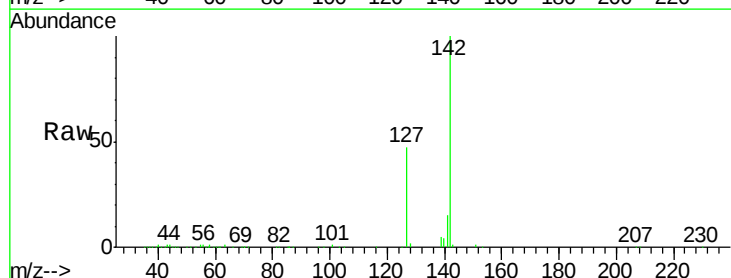
RT: 4.27 min Scan# 388

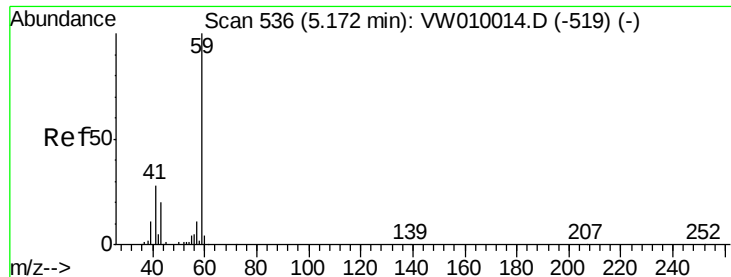
Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	142	Resp:	280243
Ion Ratio	Lower	Upper	
142	100		
127	47.6	38.1	57.1
141	15.2	12.2	18.2





#11

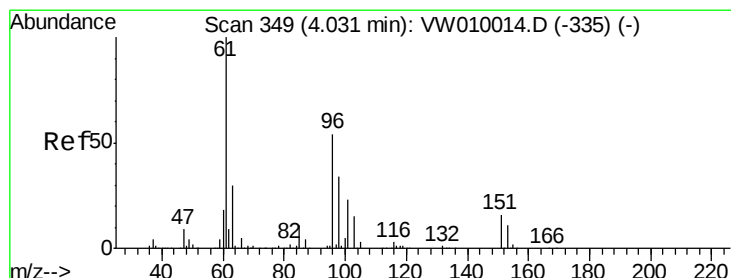
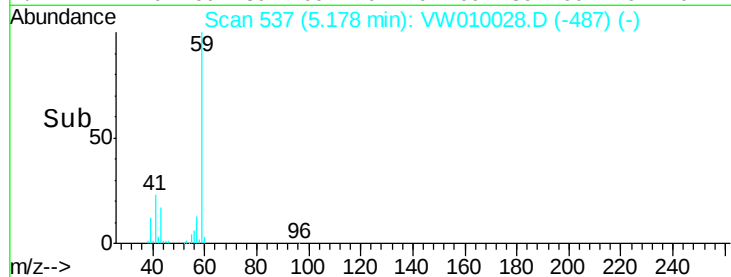
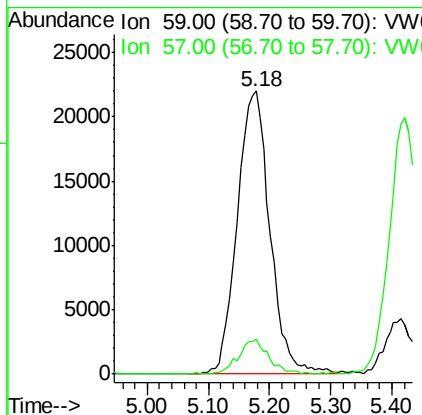
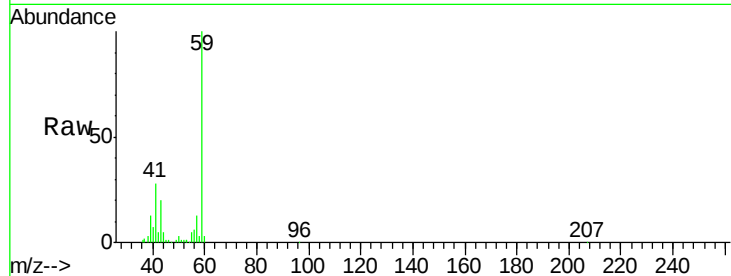
Tert butyl alcohol
Concen: 299.983 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.0	13.4

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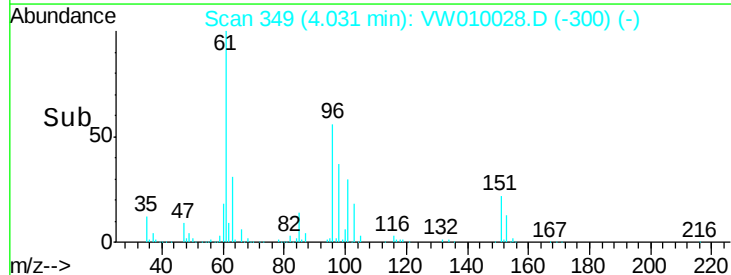
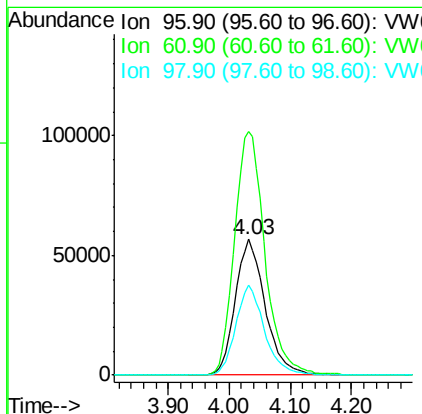
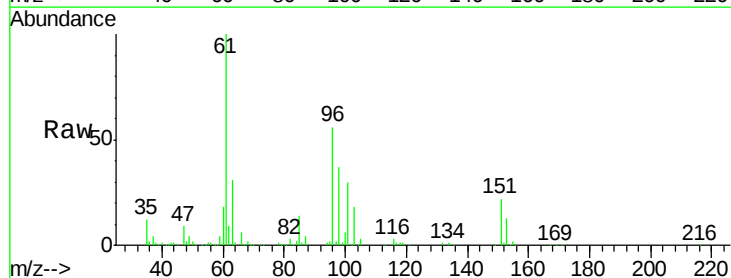
MMDadoda
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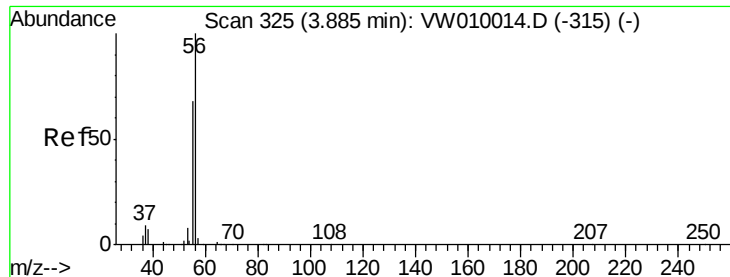


#12

1,1-Dichloroethene
Concen: 50.048 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	147.4	221.2
98	66.6	49.7	74.5





#13

Acrolein

Concen: 207.670 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59391

Ion Ratio Lower Upper

56 100

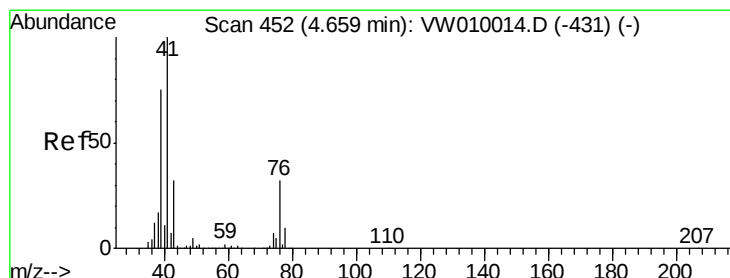
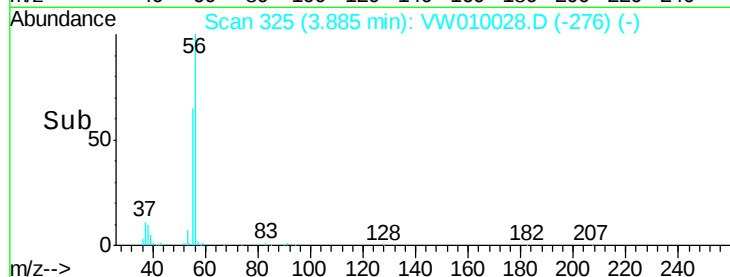
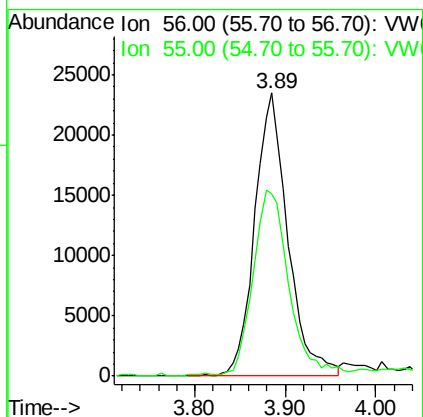
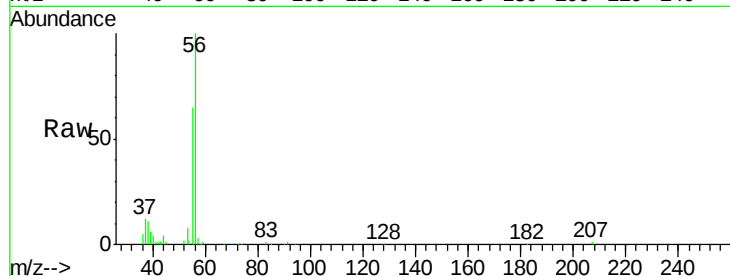
55 70.0 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 46.371 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

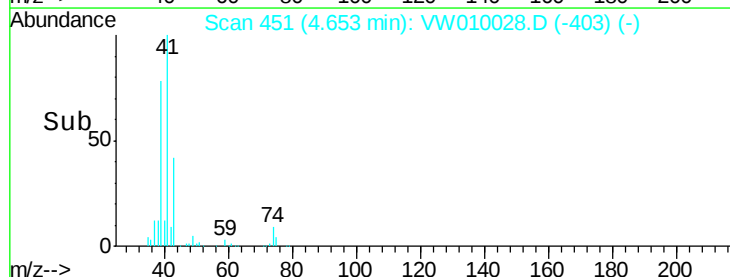
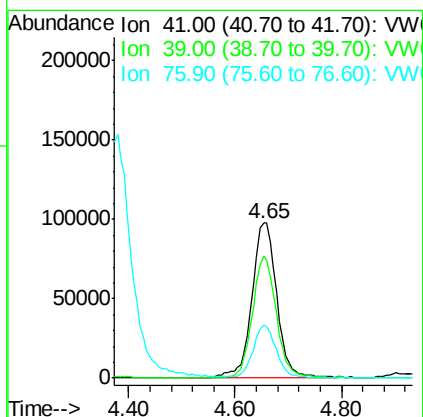
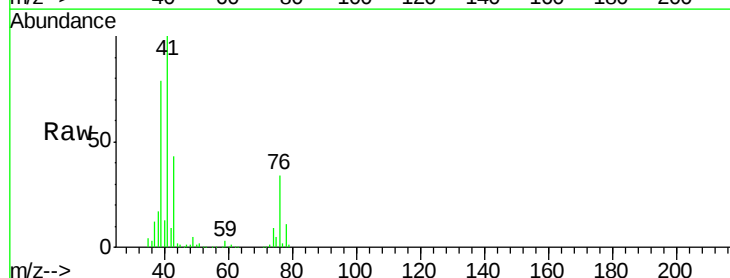
Tgt Ion: 41 Resp: 315187

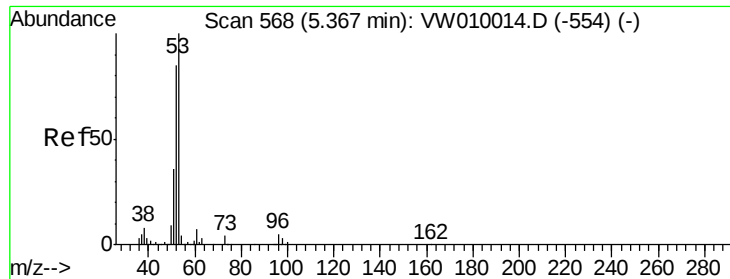
Ion Ratio Lower Upper

41 100

39 75.6 60.2 90.4

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 278.496 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

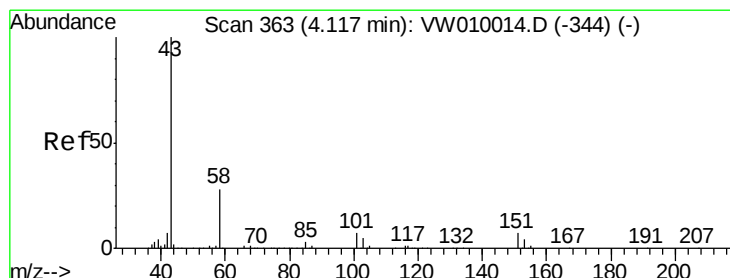
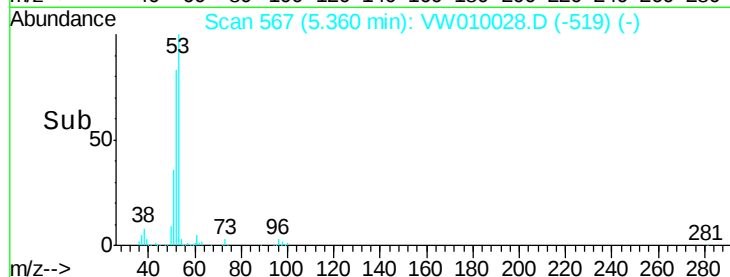
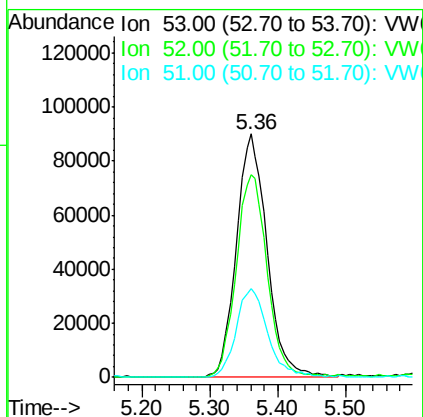
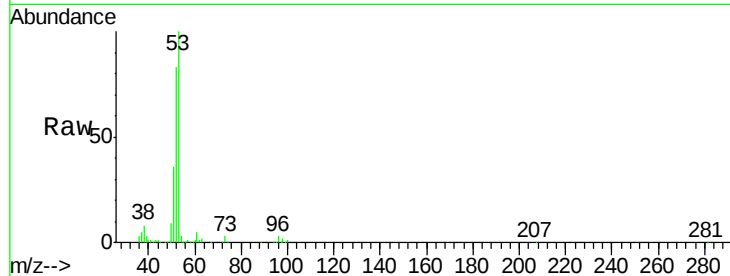
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	282538
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.6	100.0
51	37.7	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 222.176 ug/l

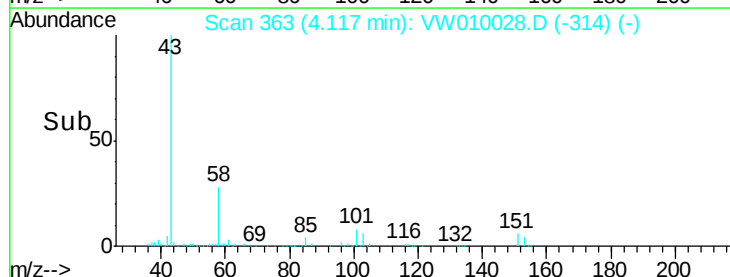
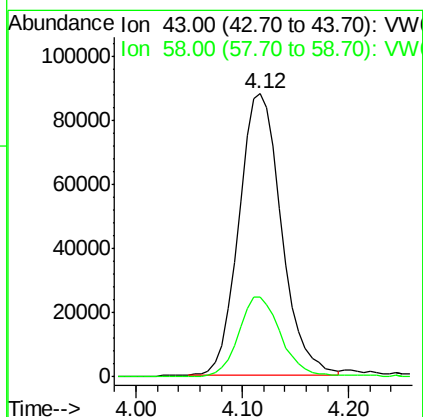
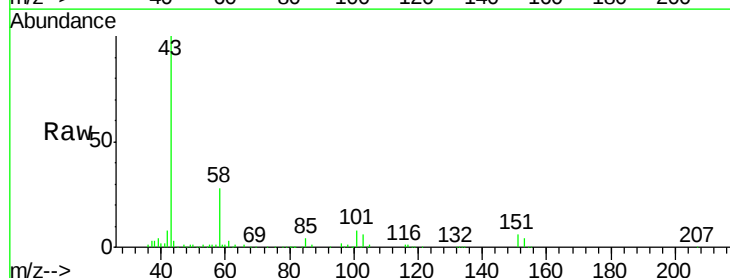
RT: 4.12 min Scan# 363

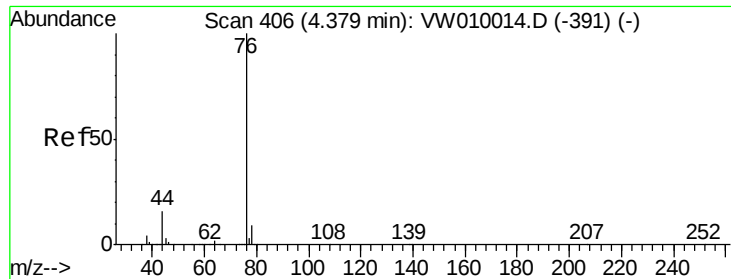
Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	43	Resp:	246017
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.7	34.1





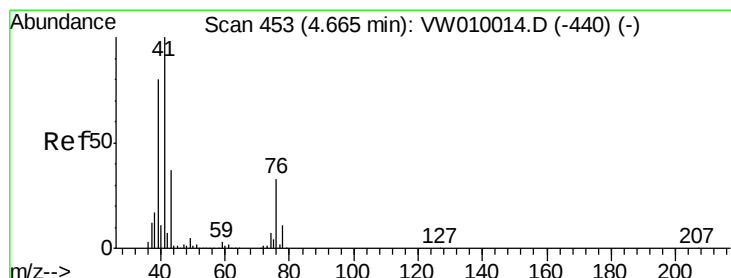
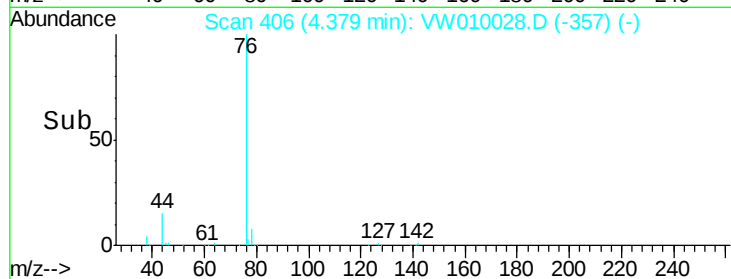
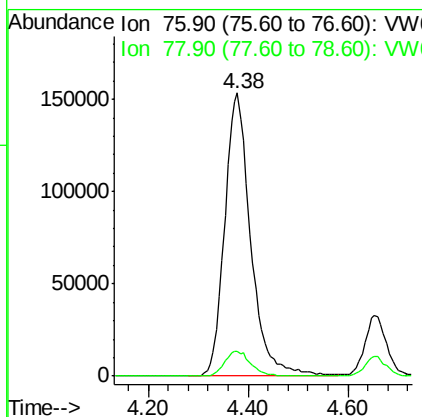
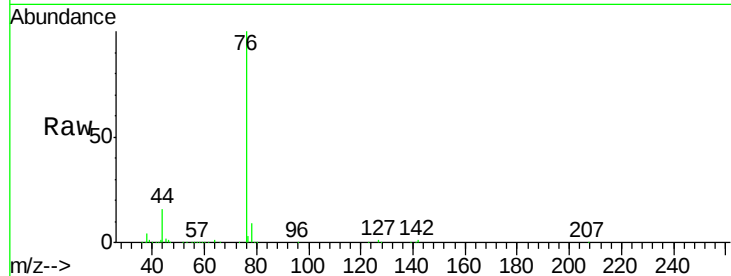
#17
Carbon Disulfide
Concen: 48.378 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

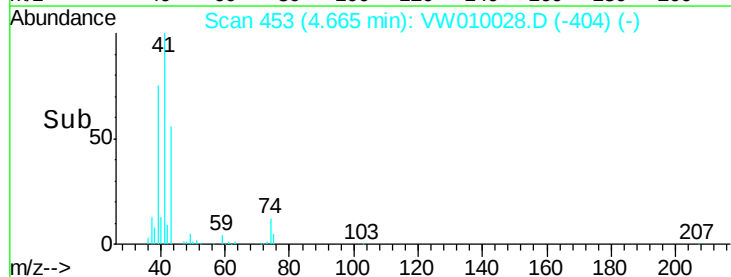
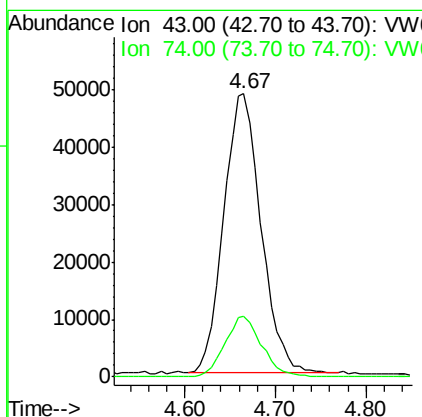
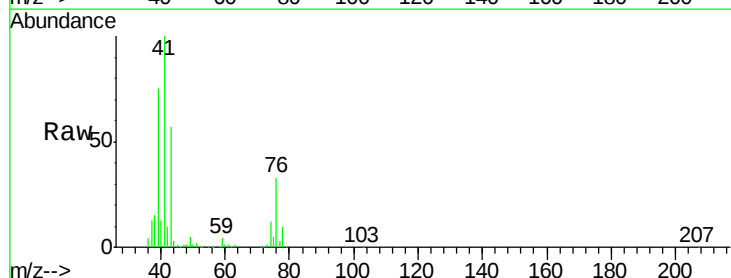
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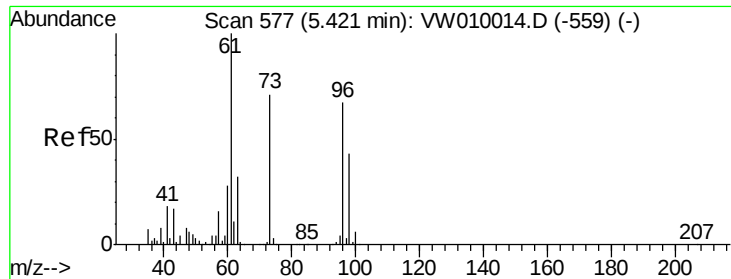
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#18
Methyl Acetate
Concen: 54.192 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





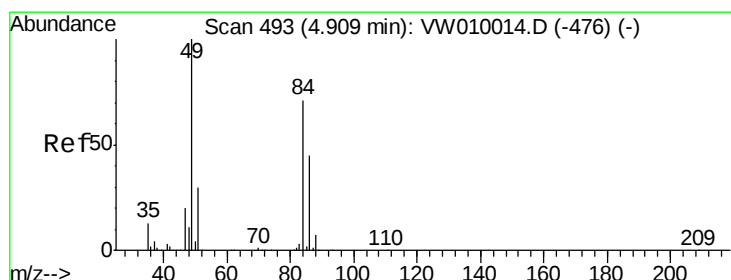
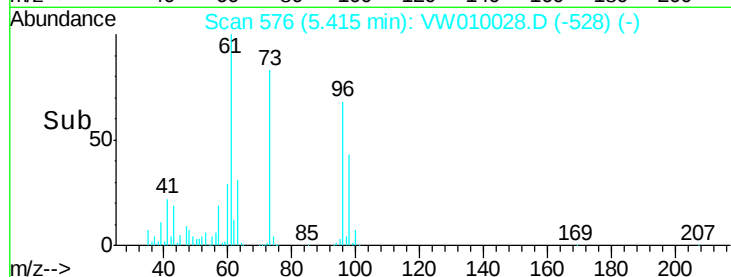
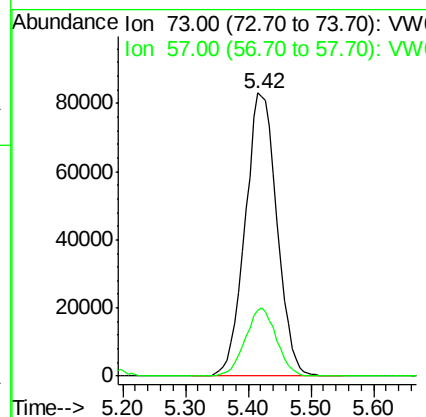
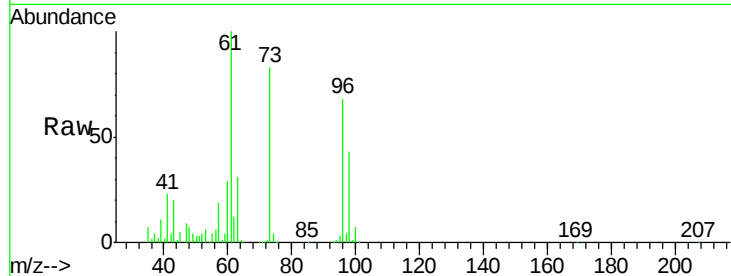
#19
Methvl tert-butvl Ether
Concen: 58.625 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 291117
Ion Ratio Lower Upper
73 100
57 23.4 18.5 27.7

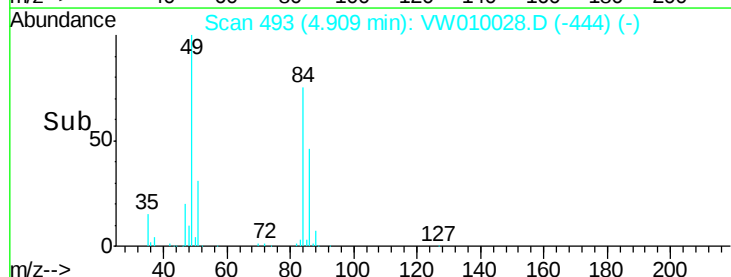
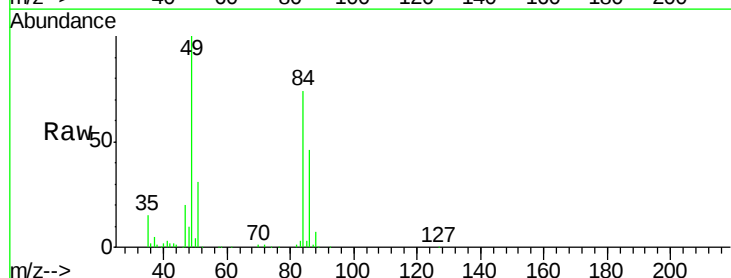
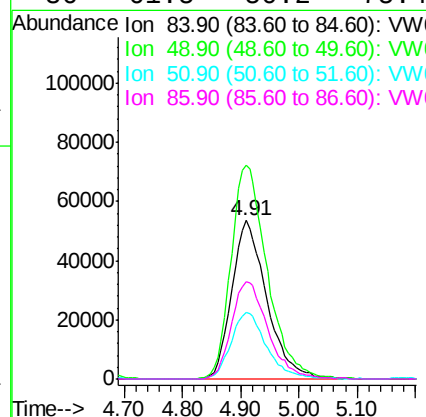
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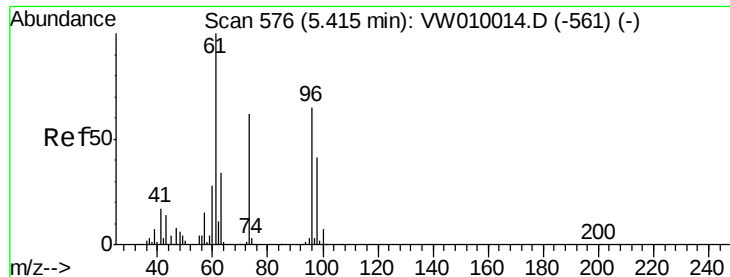
MMDadoda
4/18/2019 11:39:36 AM



#20
Methylene Chloride
Concen: 52.048 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion: 84 Resp: 223342
Ion Ratio Lower Upper
84 100
49 134.7 112.3 168.5
51 42.1 33.9 50.9
86 61.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 52.425 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 217038

Ion Ratio Lower Upper

96 100

61 154.5 122.3 183.5

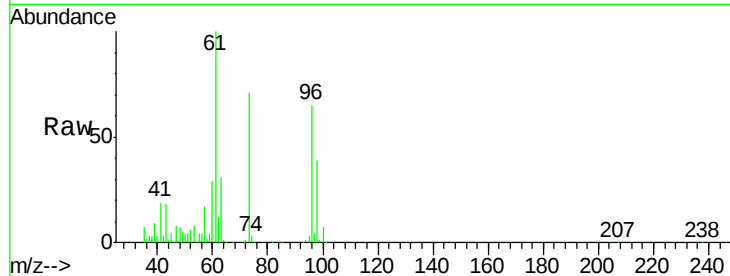
98 60.5 50.5 75.7

Manual Integrations

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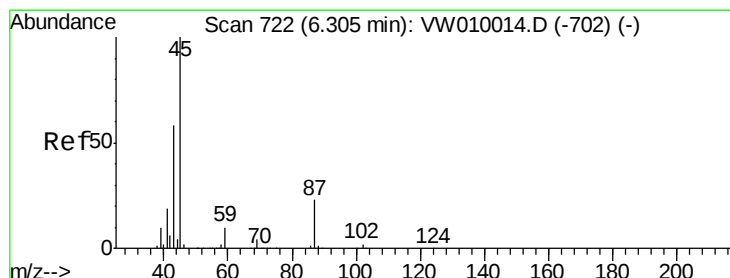
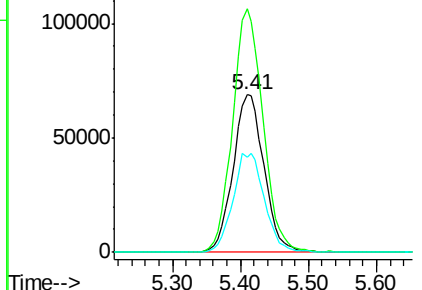
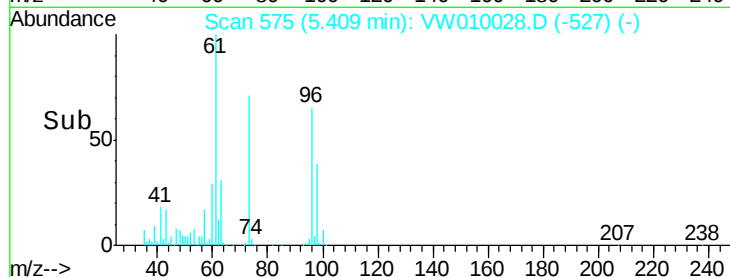
4/18/2019 11:39:36 AM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.013 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion: 45 Resp: 744696

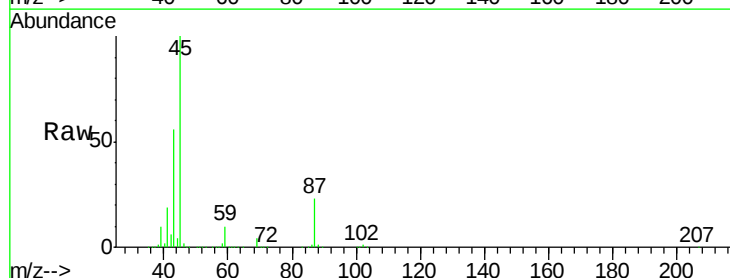
Ion Ratio Lower Upper

45 100

43 55.7 46.1 69.1

87 23.3 18.3 27.5

59 10.2 8.2 12.4

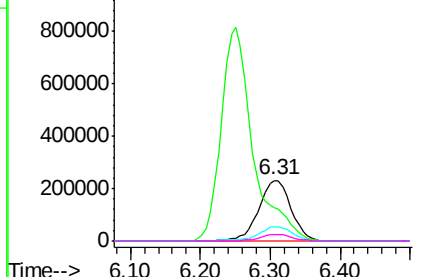
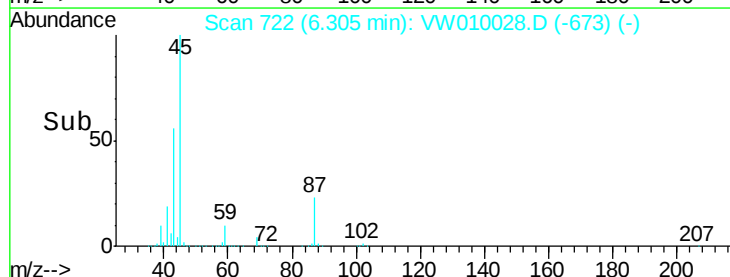


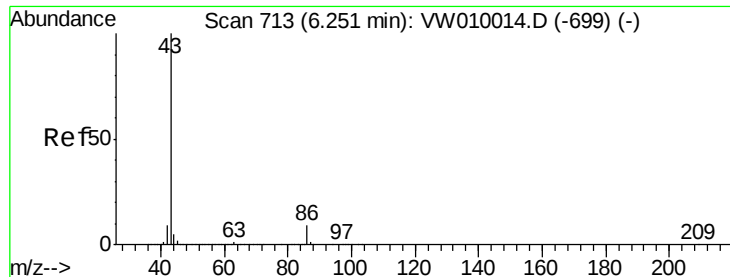
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 298.576 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2591424

Ion Ratio Lower Upper

43 100

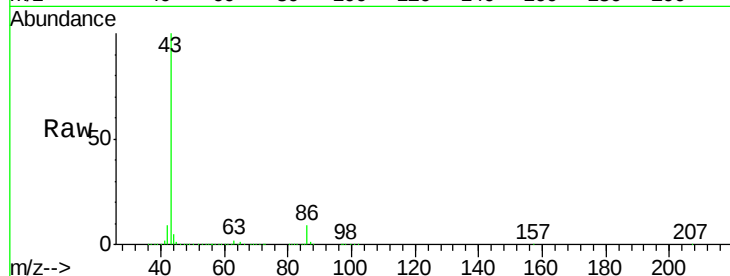
86 9.2 7.0 10.6

Manual Integrations

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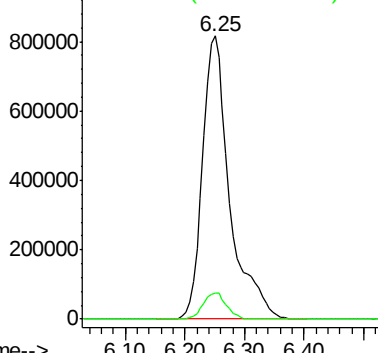
MMDadoda

4/18/2019 11:39:36 AM

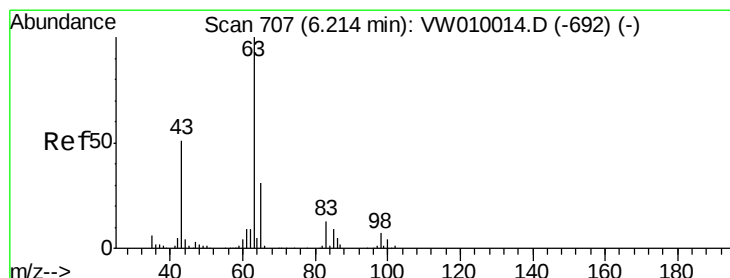
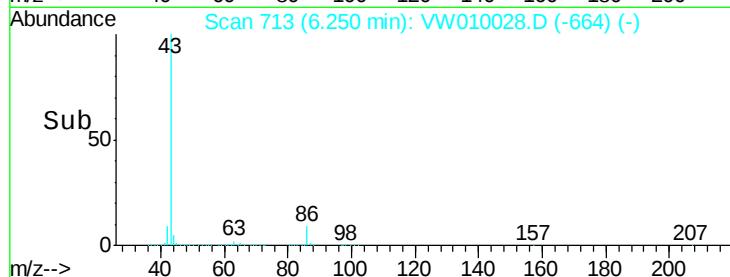


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 50.619 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

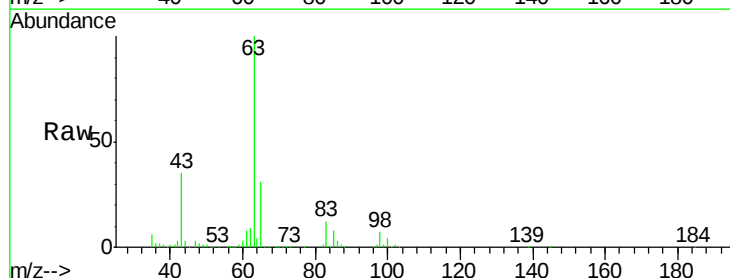
Tgt Ion: 63 Resp: 417198

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

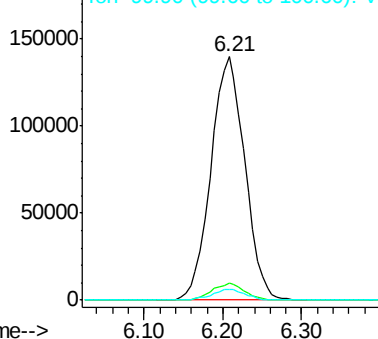
100 4.4 2.0 6.0



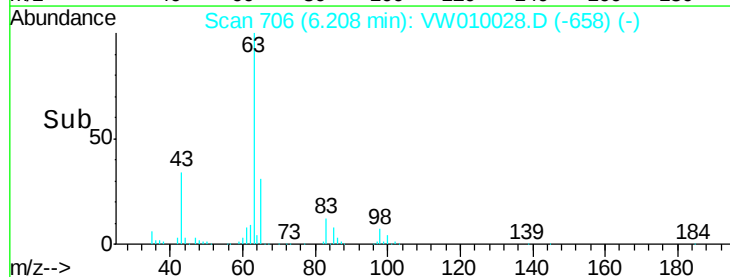
Abundance Ion 62.90 (62.60 to 63.60): VW

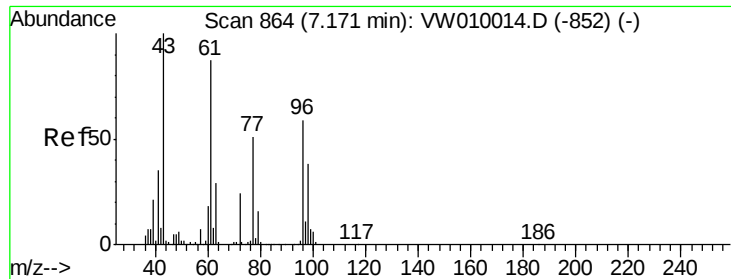
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 299.536 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 435697

Ion Ratio Lower Upper

43 100

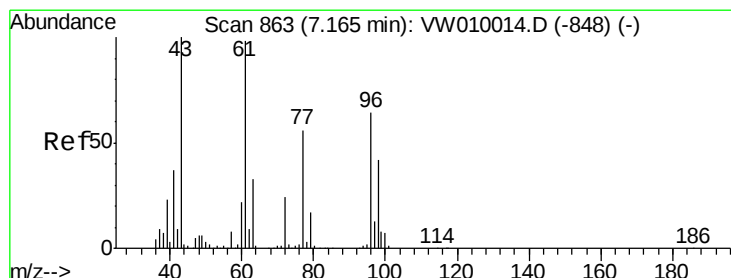
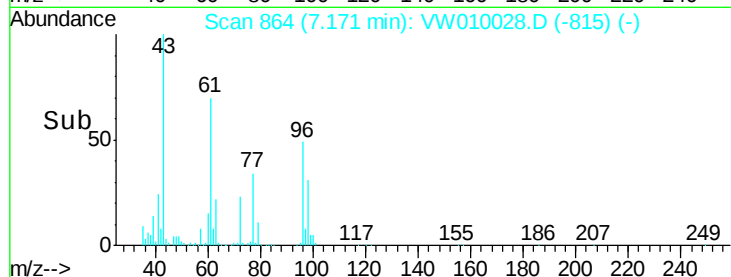
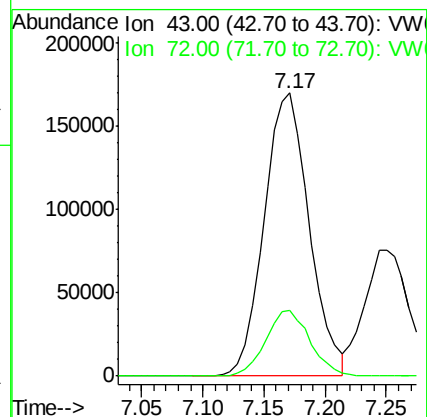
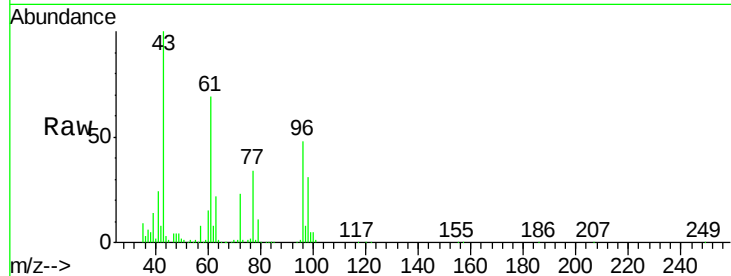
72 23.4 19.1 28.7

Manual Integrations

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MMDadoda

4/18/2019 11:39:36 AM



#26

2,2-Dichloropropane

Concen: 43.767 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010028.D

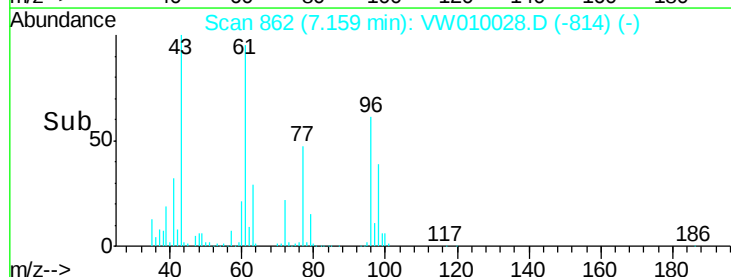
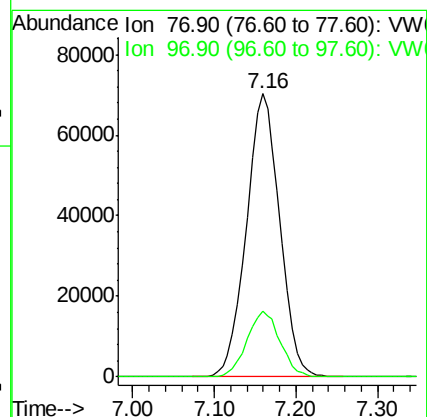
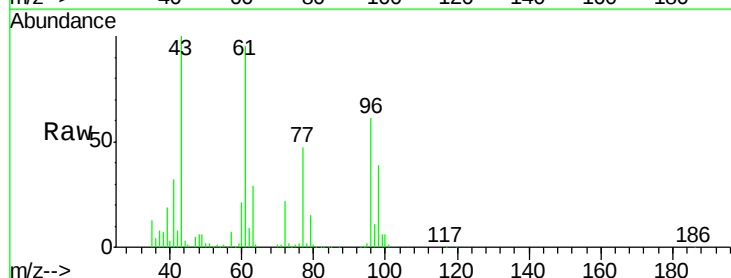
Acq: 17 Apr 2019 21:13

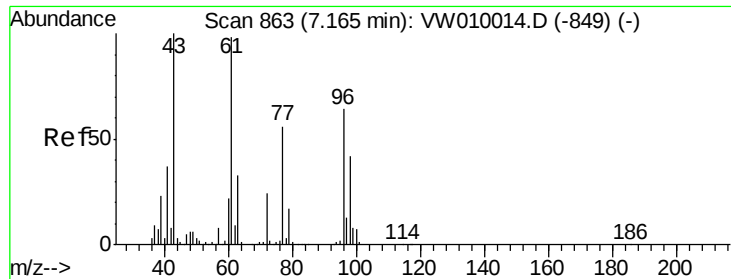
Tgt Ion: 77 Resp: 199576

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9





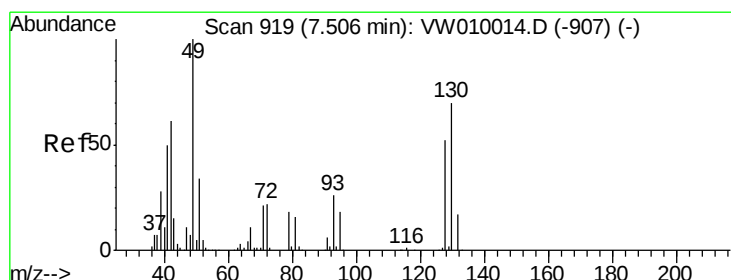
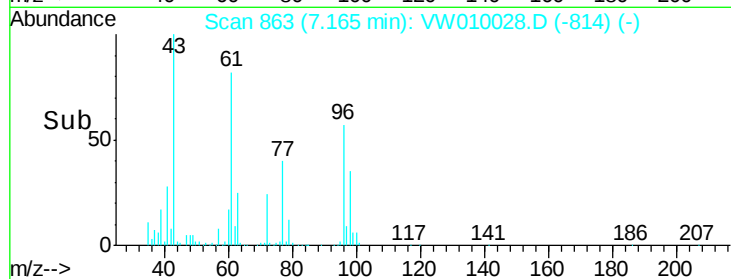
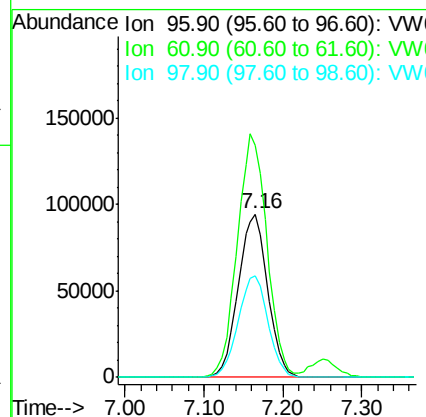
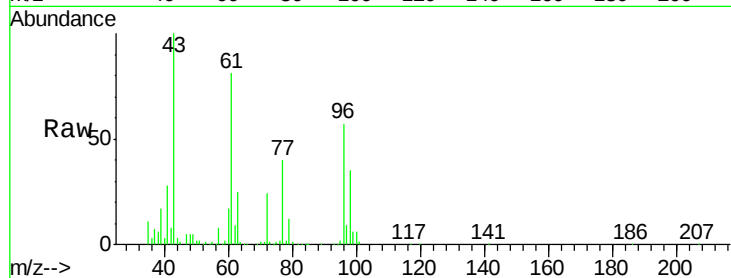
#27
 cis-1,2-Dichloroethene
 Concen: 53.655 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	244298		
61	150.1	0.0	309.4	
98	63.2	0.0	128.6	

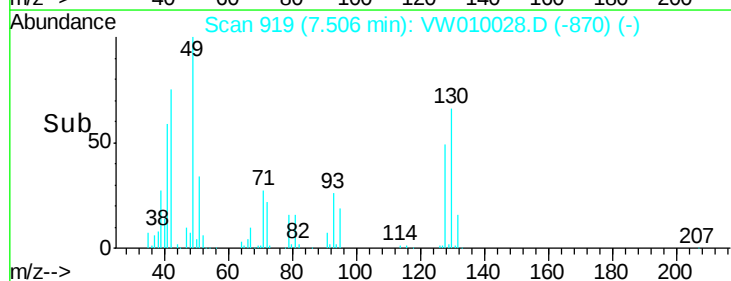
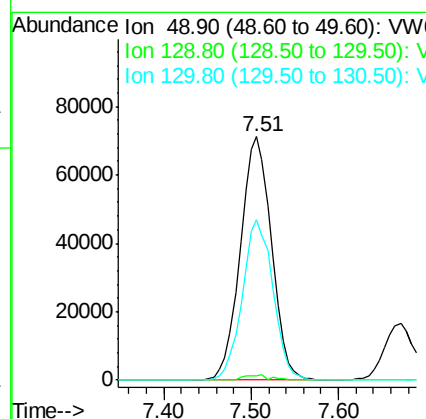
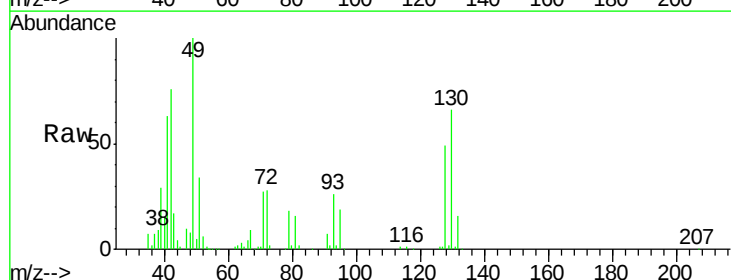
Manual Integrations
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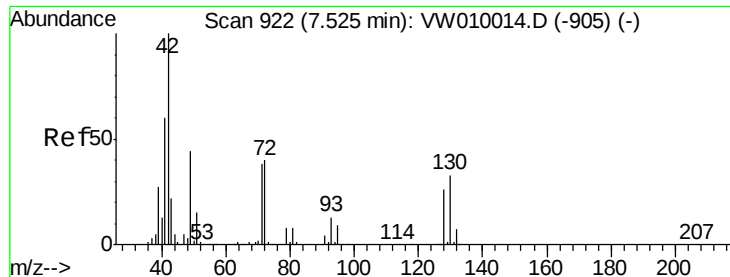
MMDadoda
 4/18/2019 11:39:36 AM



#28
 Bromochloromethane
 Concen: 52.229 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	175922		
129	1.5	0.0	3.8	
130	64.9	54.6	82.0	





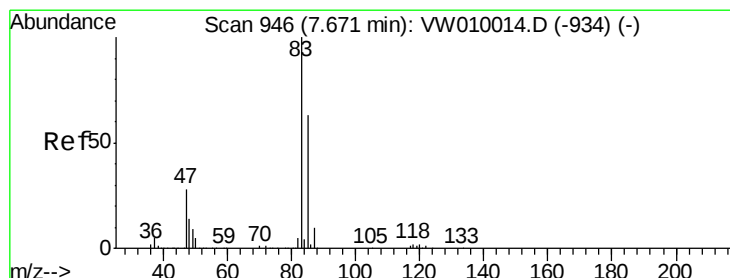
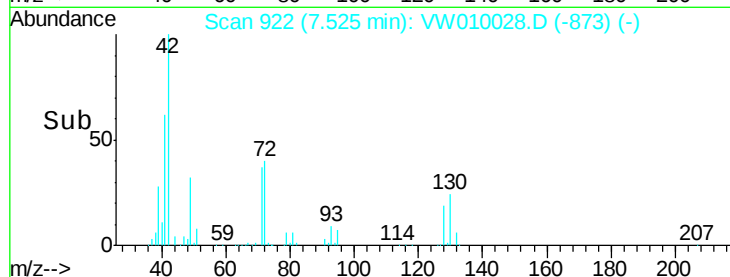
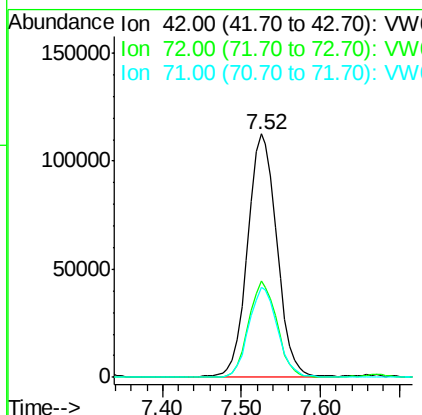
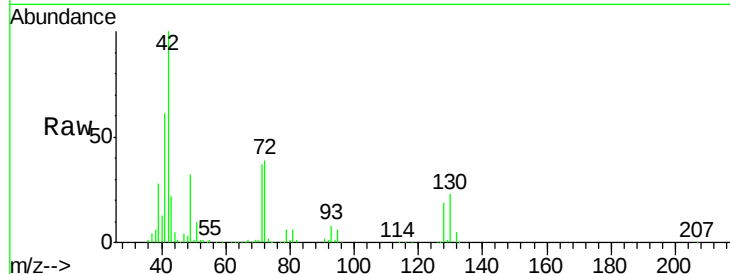
#29
Tetrahydrofuran
Concen: 316.655 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.0	46.6
71	36.2	29.7	44.5

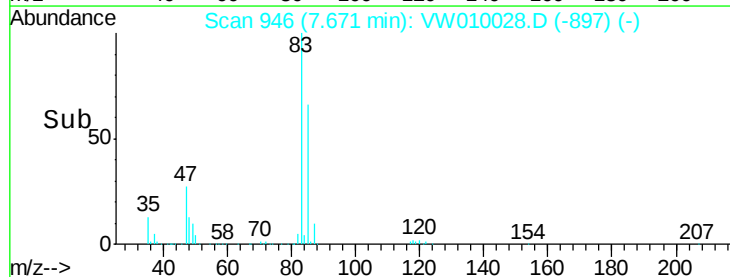
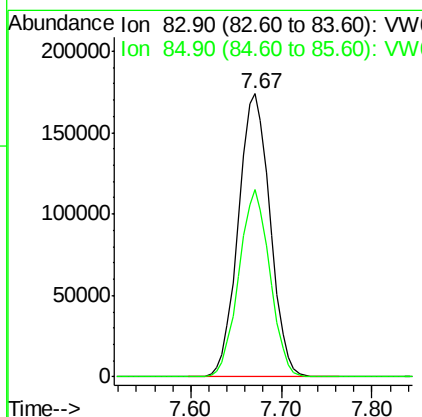
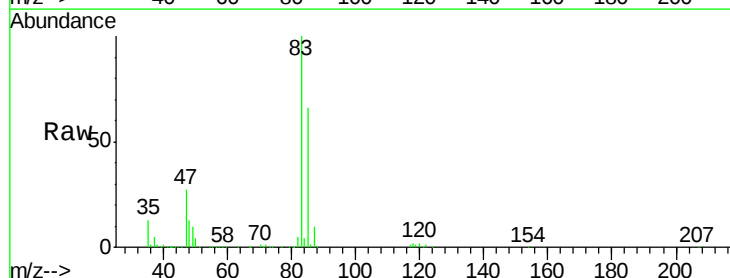
Manual Integrations
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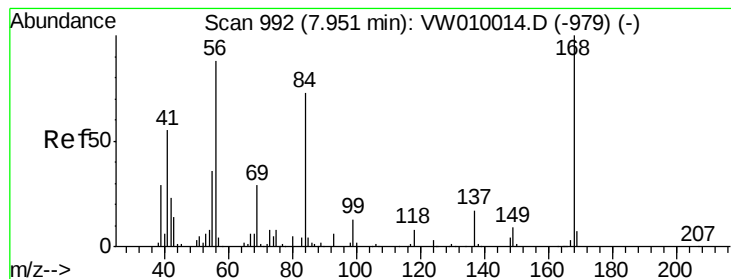
MMDadoda
4/18/2019 11:39:36 AM



#30
Chloroform
Concen: 51.122 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.7	76.1





#31

Cyclohexane

Concen: 48.323 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

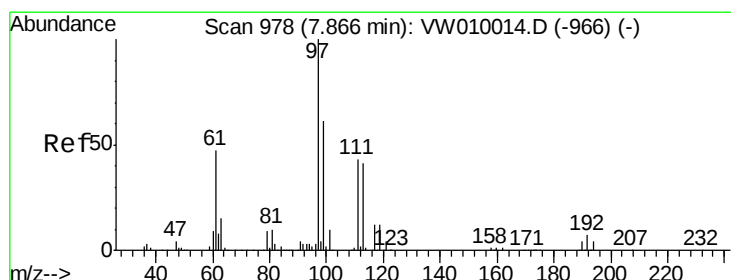
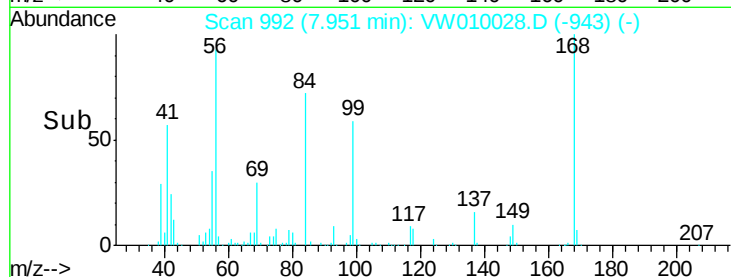
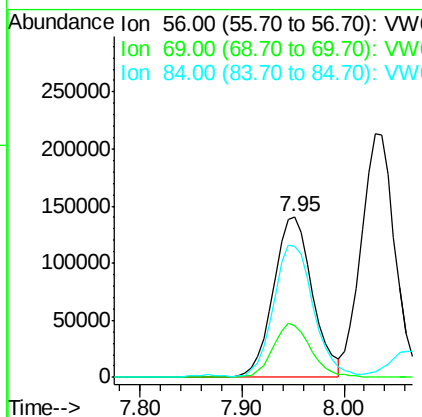
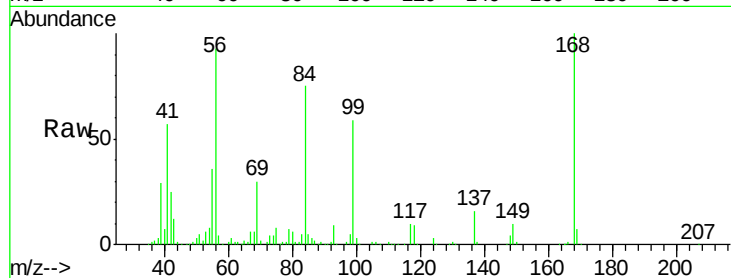
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	372959
Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.6	40.0
84	80.4	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 48.528 ug/l

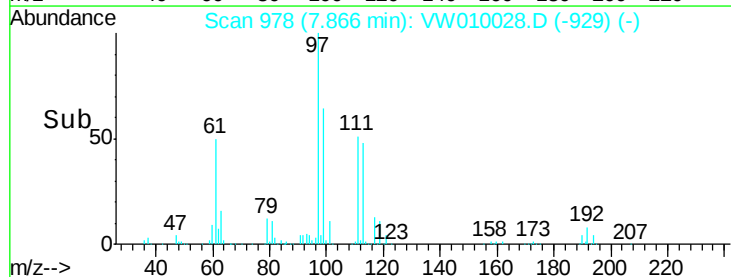
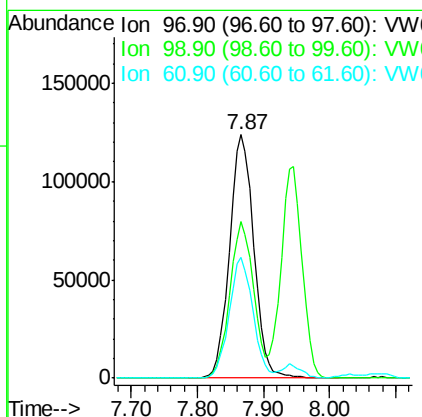
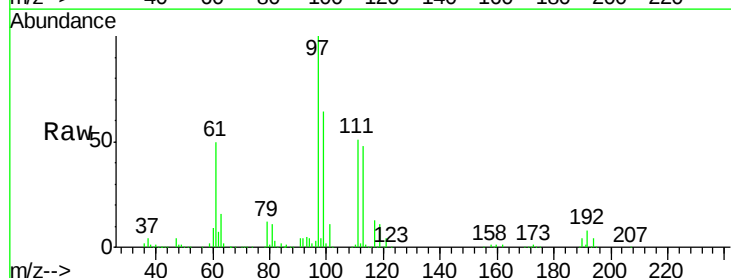
RT: 7.87 min Scan# 978

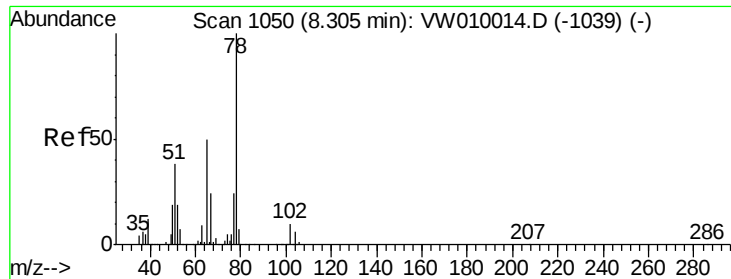
Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	97	Resp:	314623
Ion	Ratio	Lower	Upper
97	100		
99	62.6	50.2	75.2
61	48.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 54.497 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 260085

Ion Ratio Lower Upper

65 100

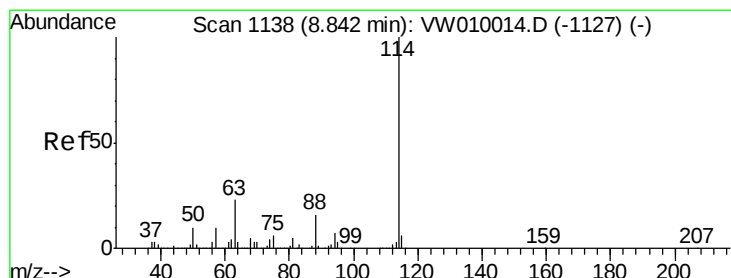
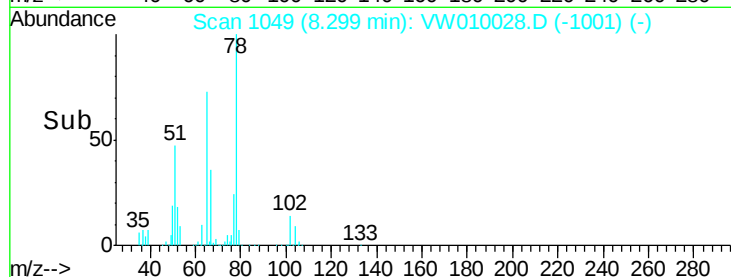
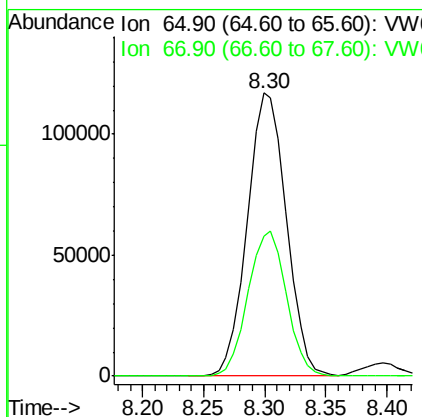
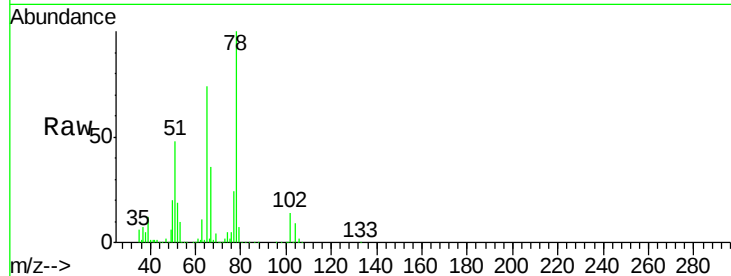
67 50.4 0.0 100.8

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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: VW010028.D

Acq: 17 Apr 2019 21:13

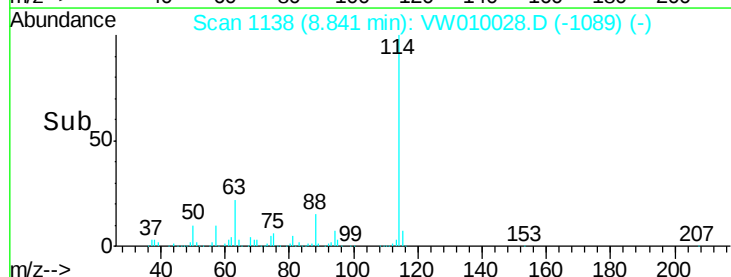
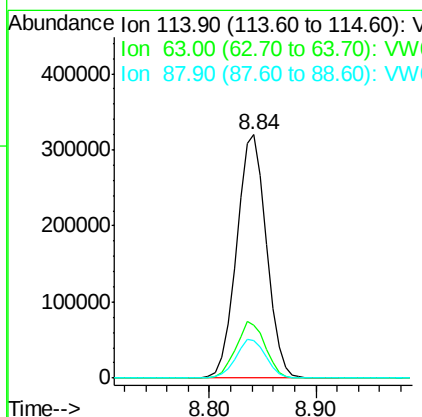
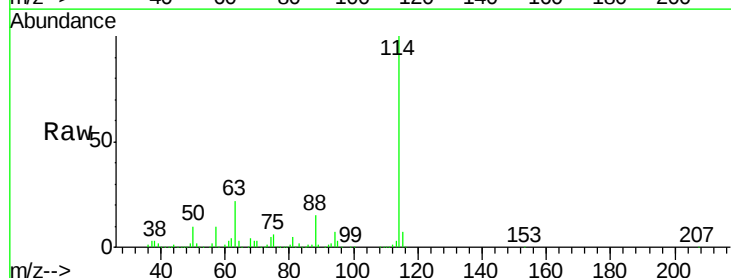
Tgt Ion: 114 Resp: 627574

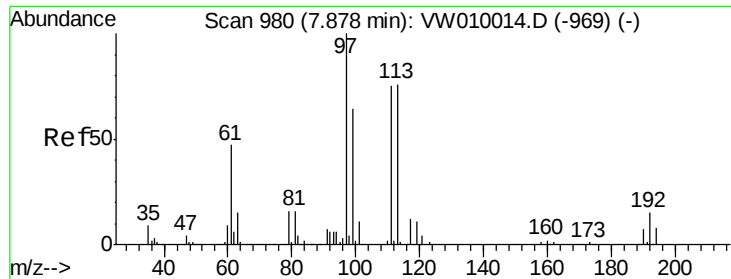
Ion Ratio Lower Upper

114 100

63 22.0 0.0 46.2

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.725 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

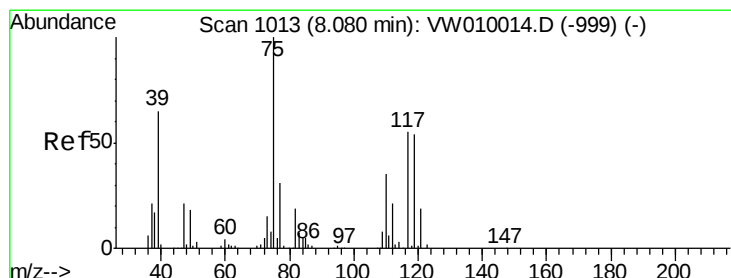
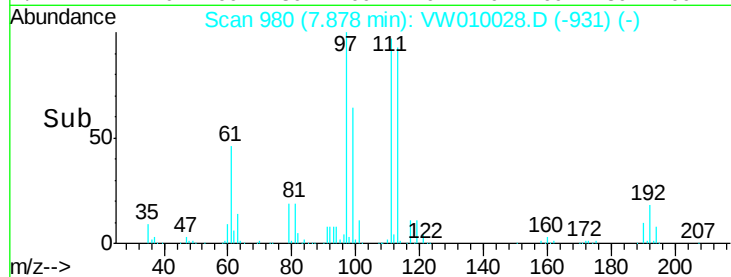
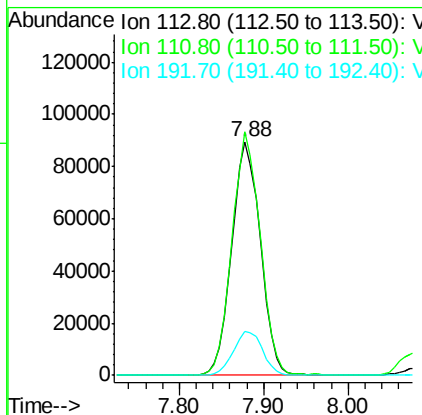
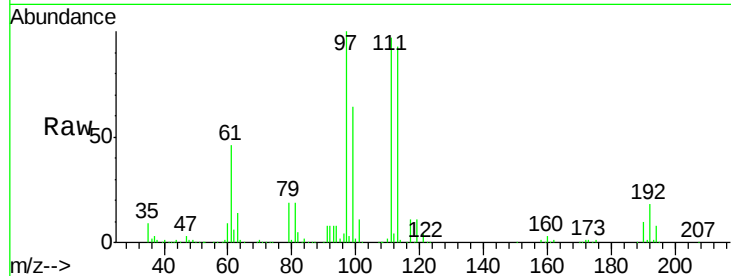
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	206379
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.6	123.8
192	19.3	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 50.747 ug/l

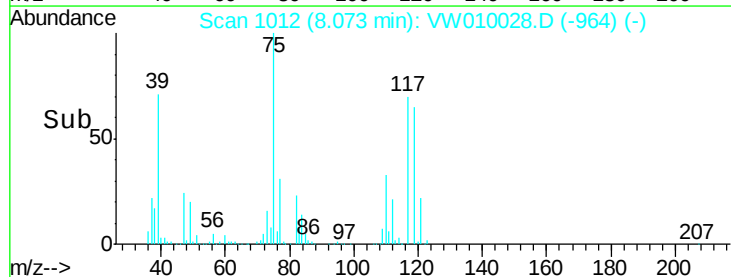
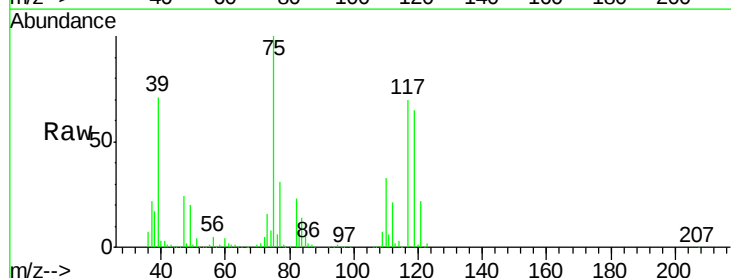
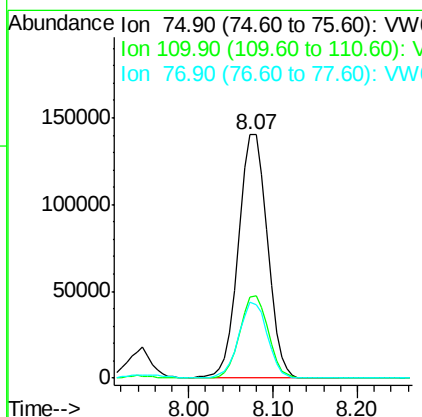
RT: 8.07 min Scan# 1012

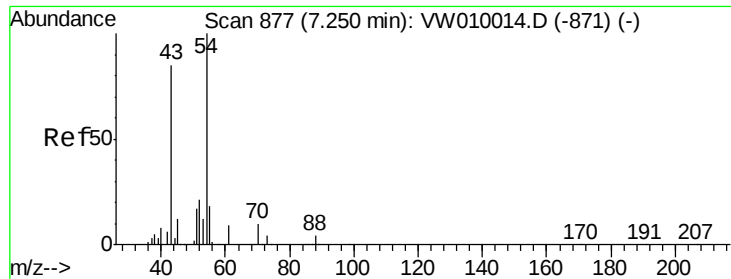
Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	75	Resp:	325317
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.6	49.8
77	30.9	24.8	37.2





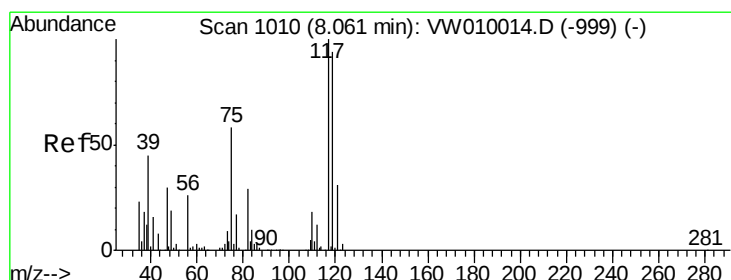
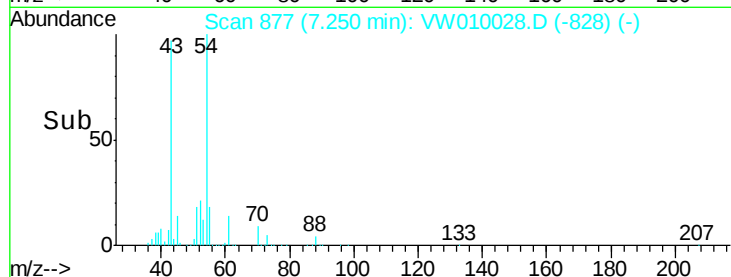
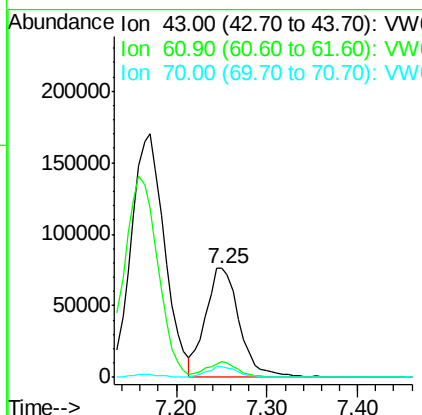
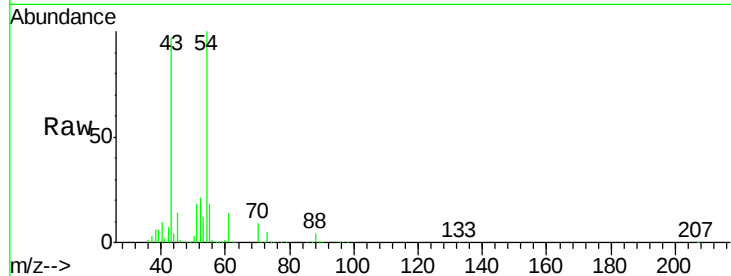
#37
Ethyl Acetate
Concen: 61.032 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	198812		
61	12.7		9.8	14.8
70	8.8		7.4	11.0

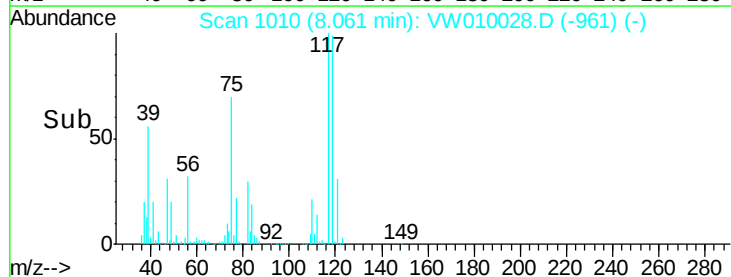
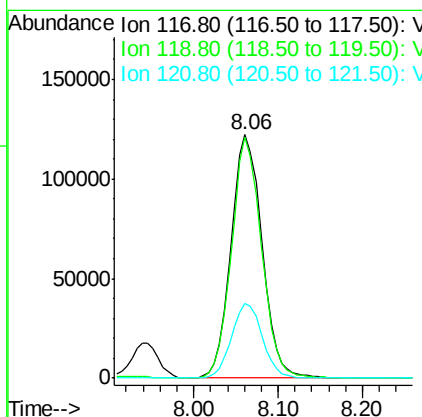
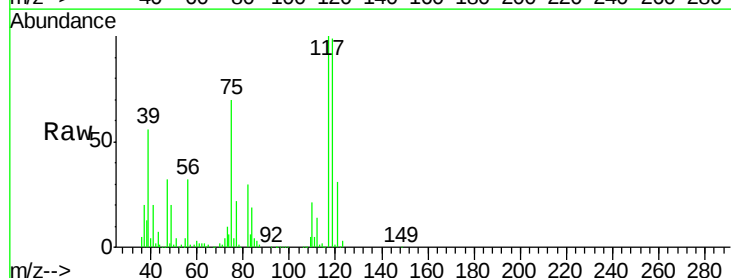
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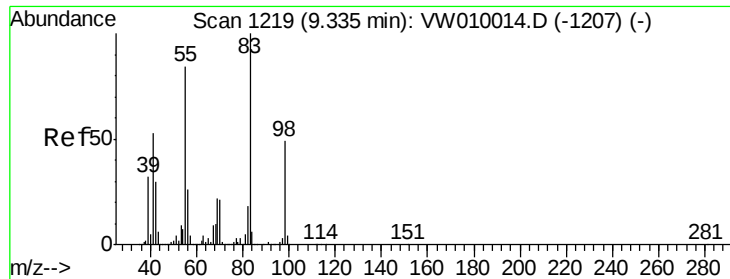
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.546 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	303726		
119	98.8		75.3	112.9
121	30.6		24.4	36.6





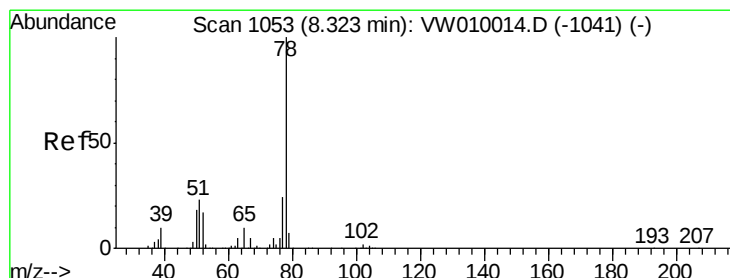
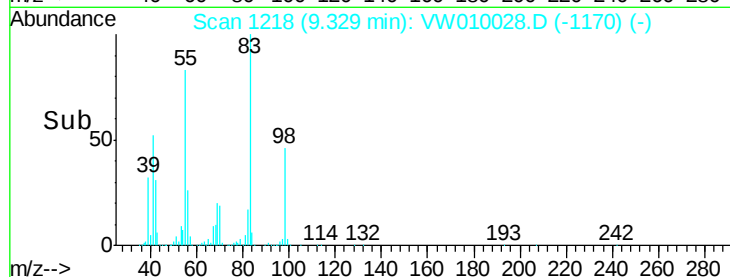
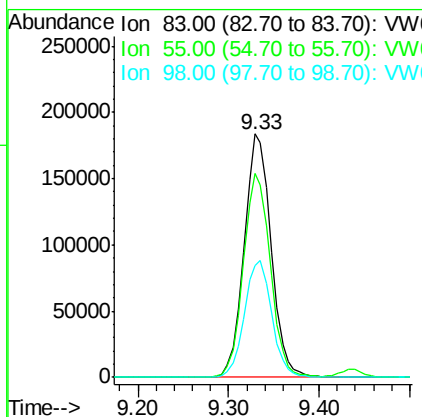
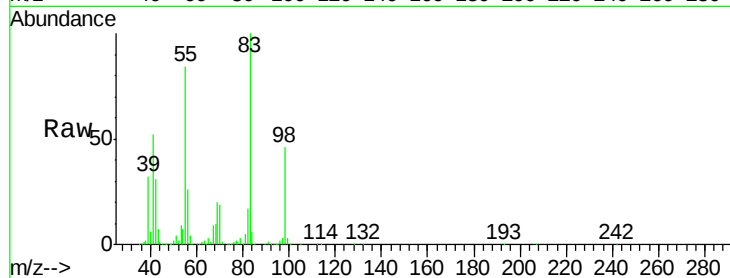
#39
Methvlcvclohexane
Concen: 48.548 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	67.1	100.7
98	46.0	39.2	58.8

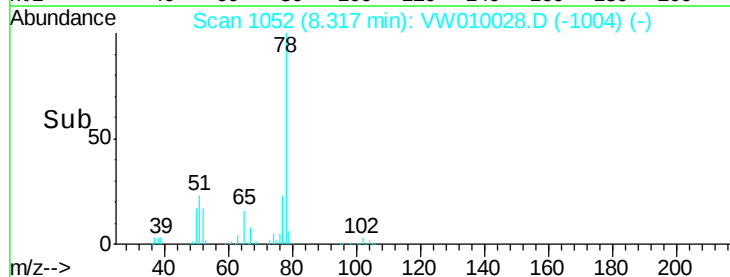
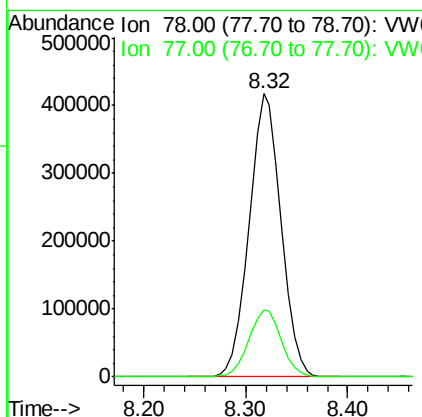
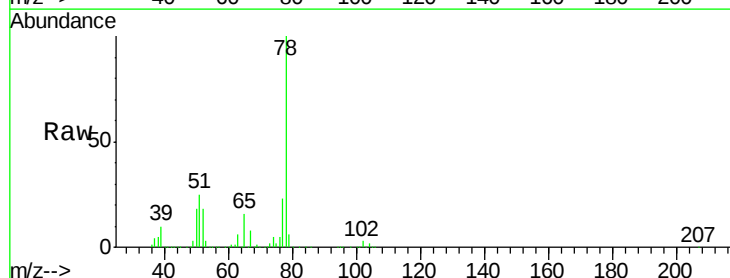
Manual Integrations
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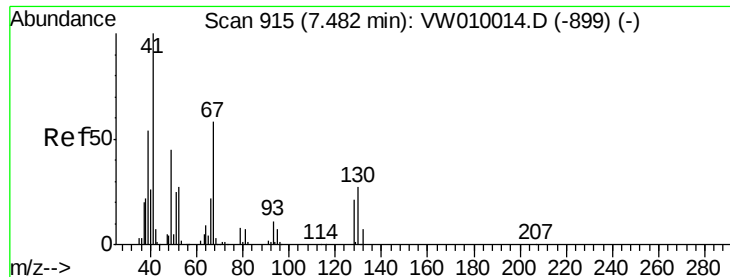
MMDadoda
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#40
Benzene
Concen: 51.748 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





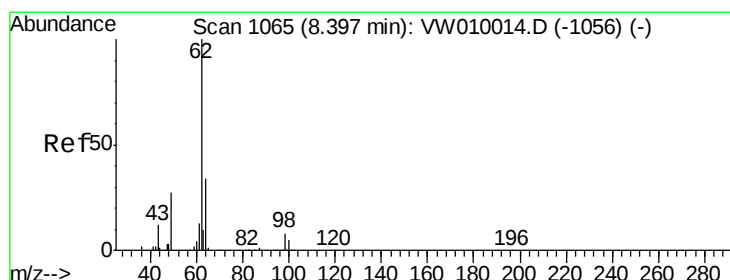
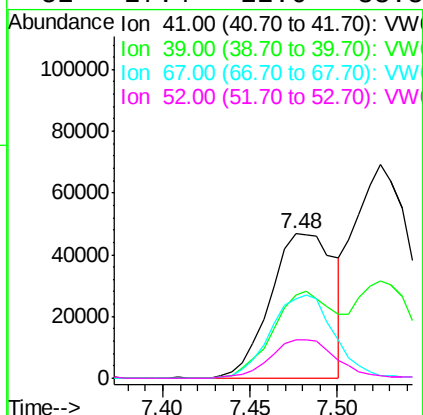
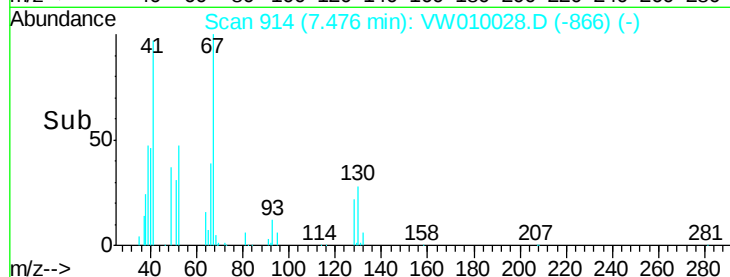
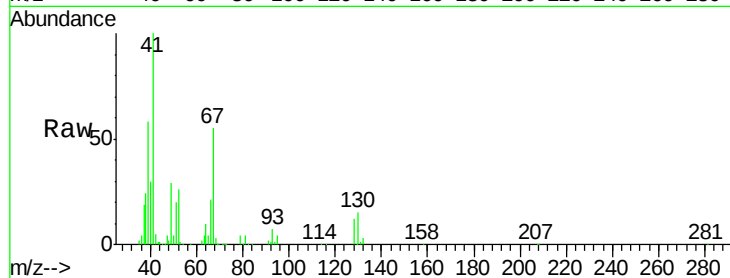
#41
Methacrylonitrile
Concen: 64.494 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.5	45.0	67.4	
67	57.4	50.7	76.1	
52	27.4	22.6	33.8	

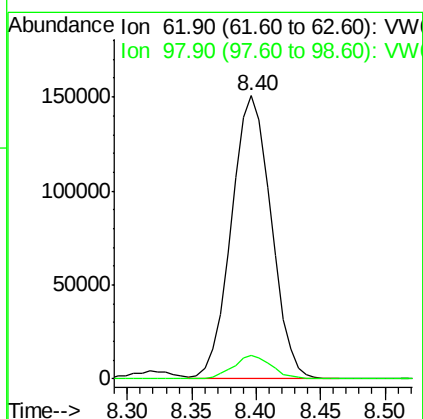
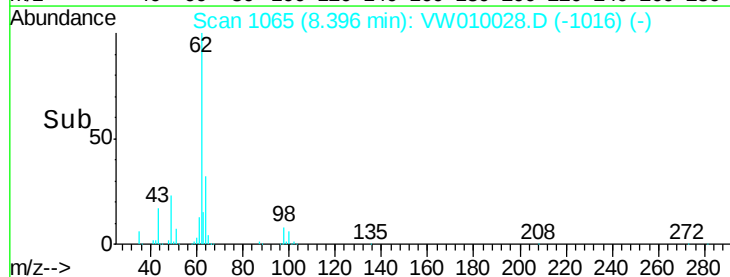
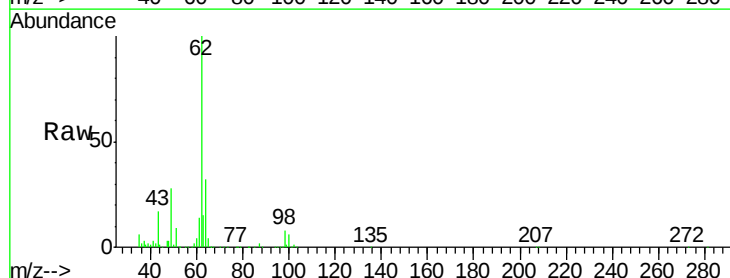
Manual Integrations
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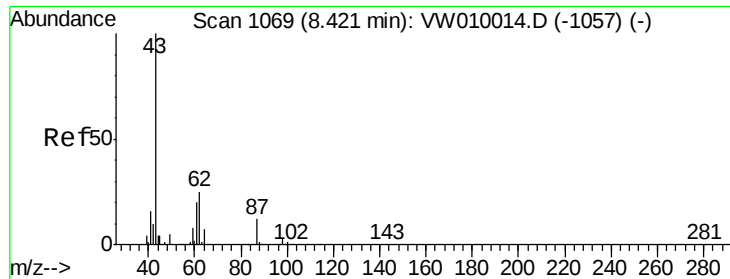
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.517 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.6	





#43

Isopropyl Acetate

Concen: 60.226 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

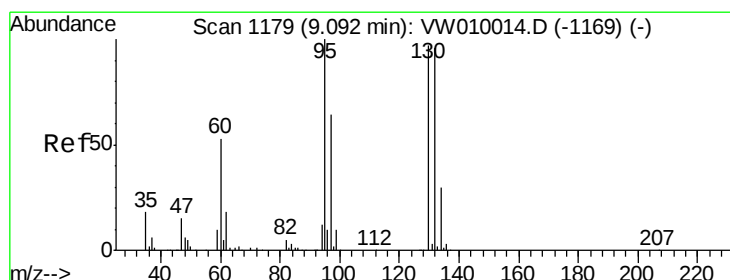
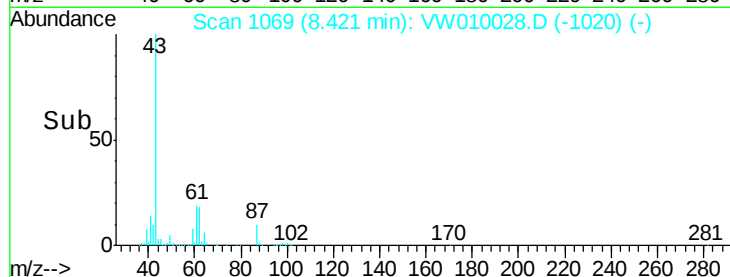
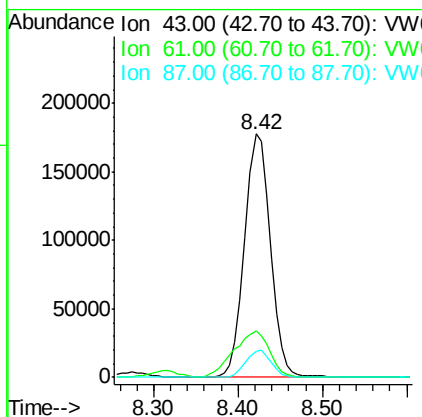
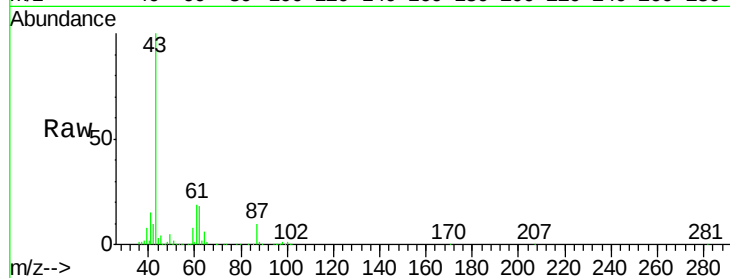
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	367630
Ion	Ratio	Lower	Upper
43	100		
61	26.6	23.0	34.6
87	11.1	9.3	13.9

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#44

Trichloroethene

Concen: 50.656 ug/l

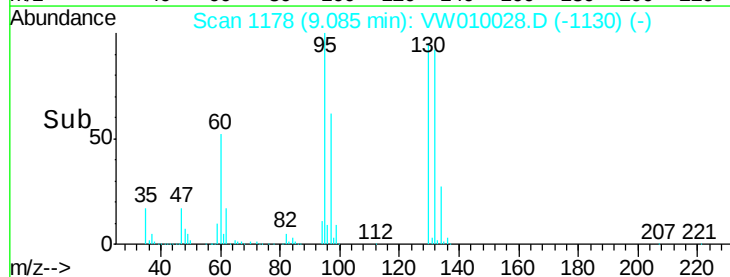
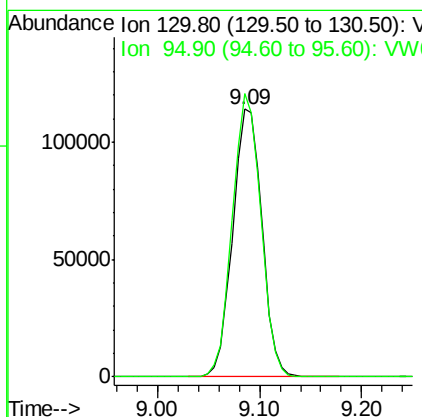
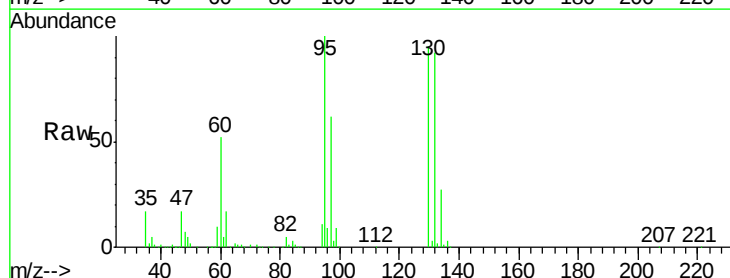
RT: 9.09 min Scan# 1178

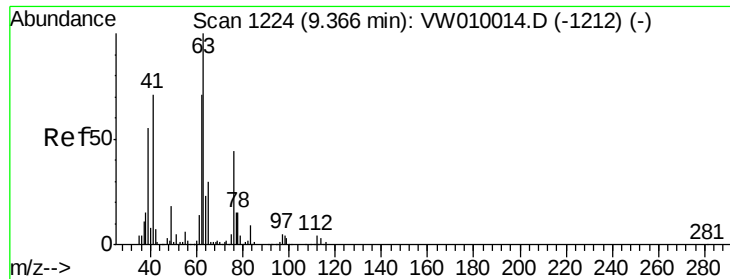
Delta R.T. -0.01 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	130	Resp:	225520
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	205.4





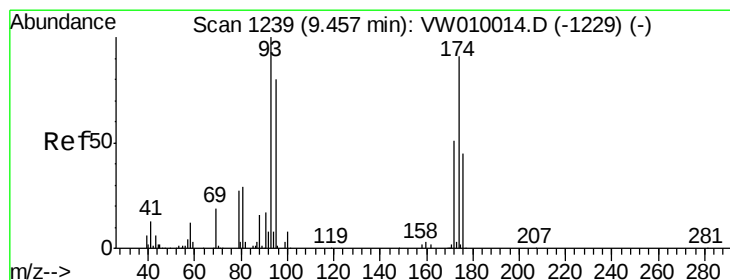
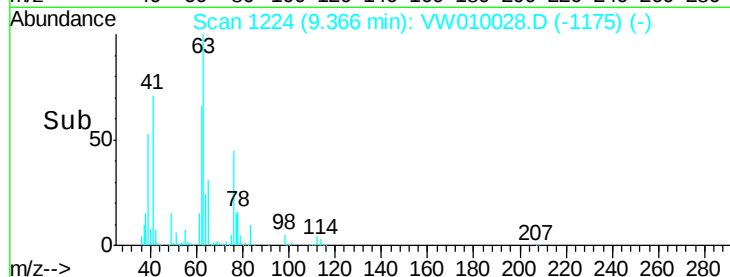
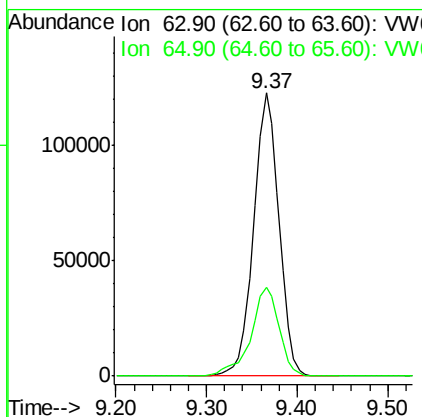
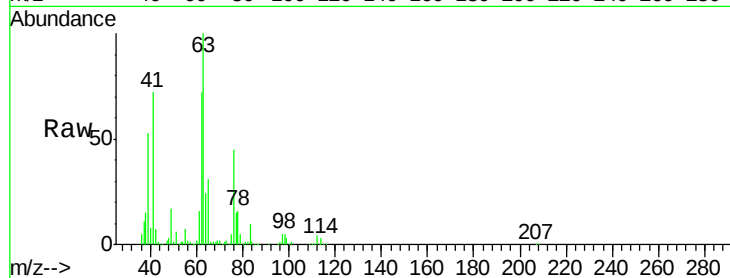
#45
 1,2-Dichloropropane
 Concen: 51.391 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.6

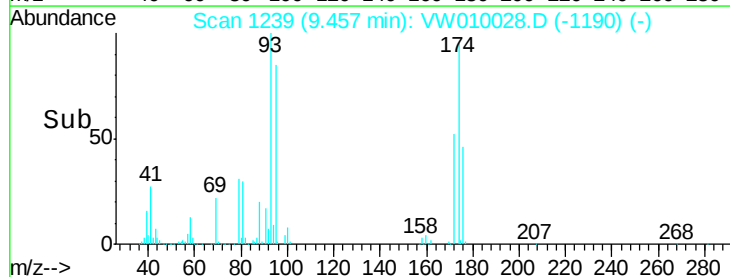
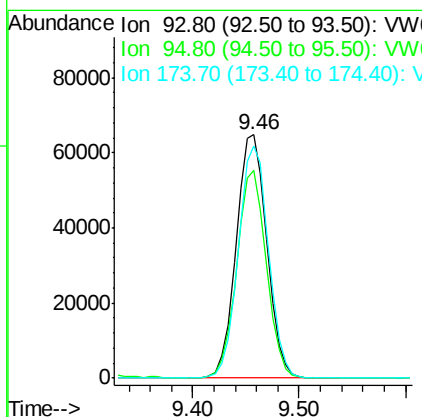
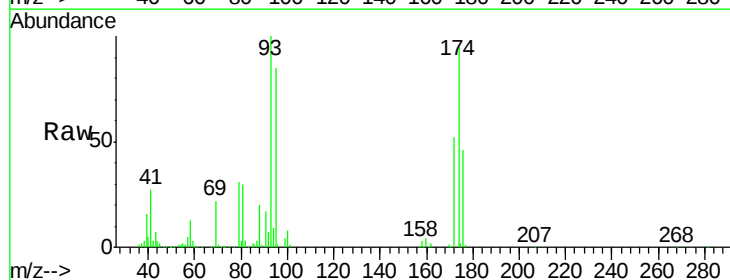
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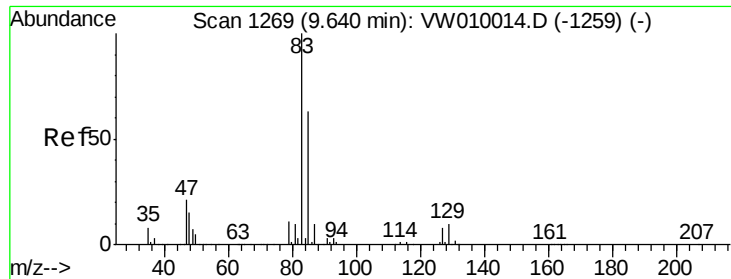
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#46
 Dibromomethane
 Concen: 54.844 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	94.1	75.5	113.3





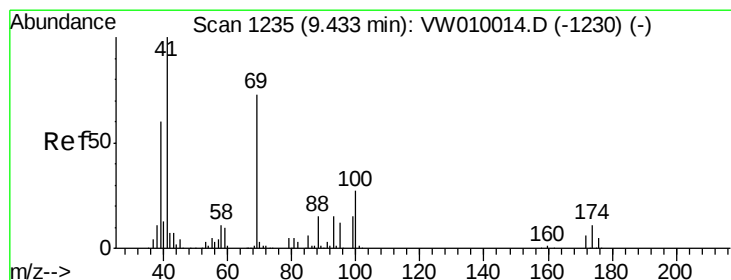
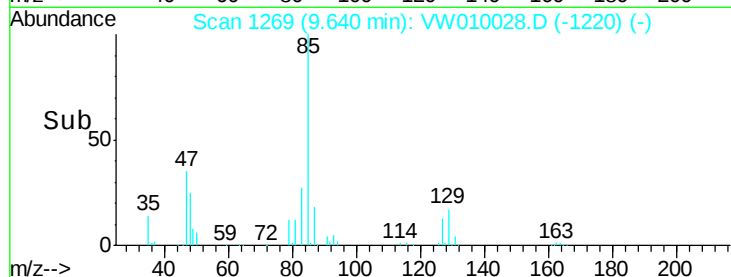
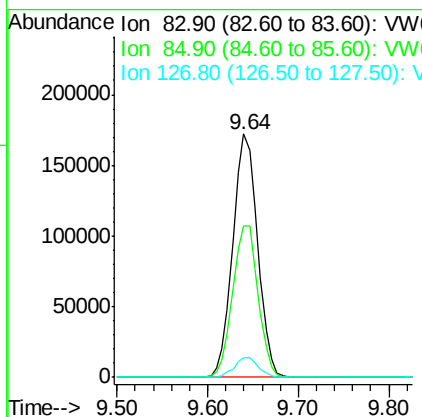
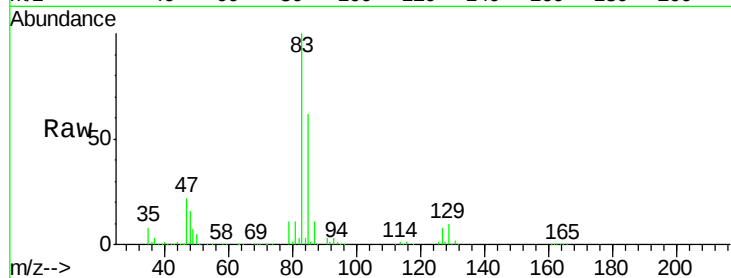
#47
Bromodichloromethane
Concen: 53.068 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.2	50.6	75.8	
127	8.0	6.6	10.0	

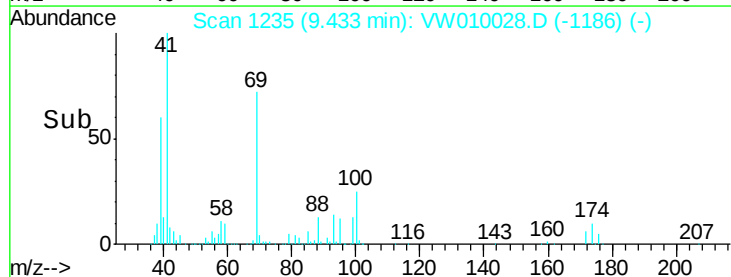
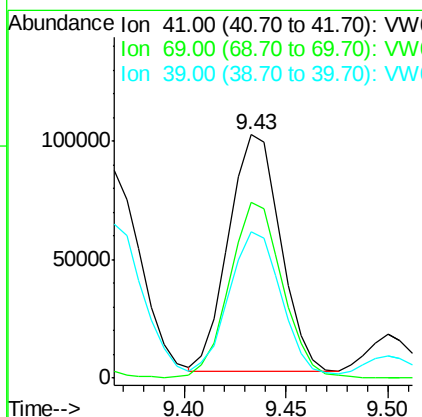
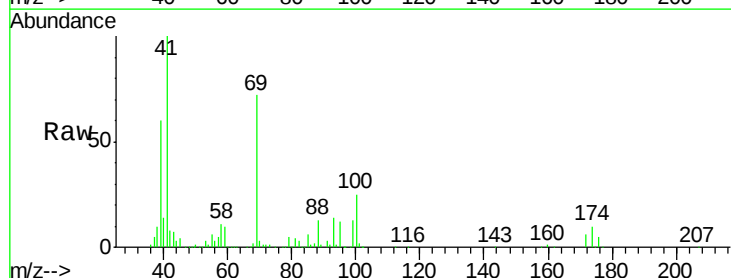
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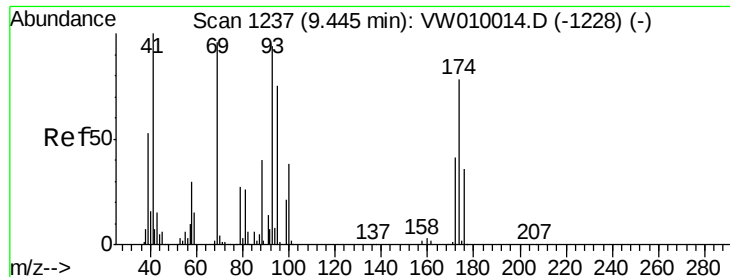
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#48
Methyl methacrylate
Concen: 59.288 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	75.4	60.1	90.1	
39	59.5	51.0	76.6	





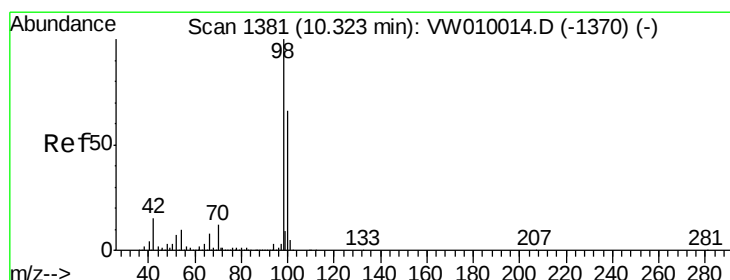
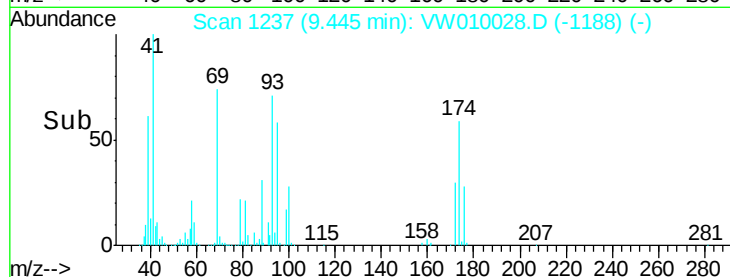
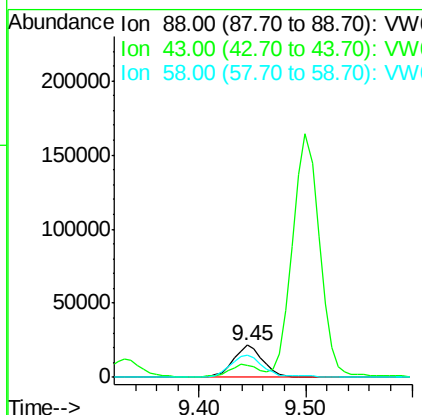
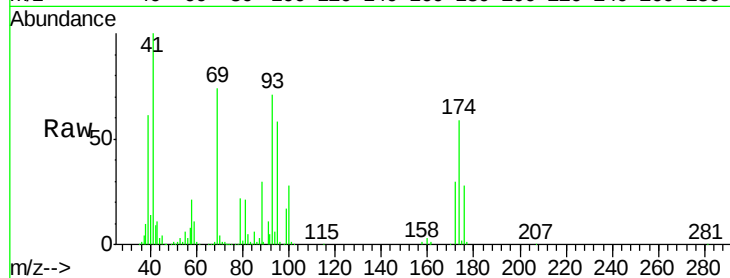
#49
1,4-Dioxane
Concen: 1179.340 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	43031
Ion	Ratio	Lower	Upper
88	100		
43	38.6	31.9	47.9
58	78.6	61.8	92.6

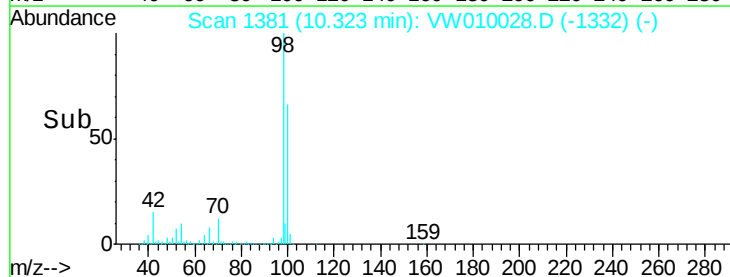
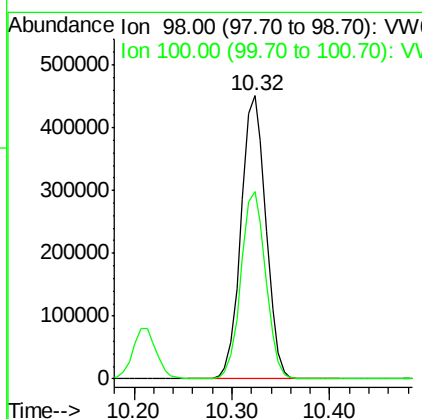
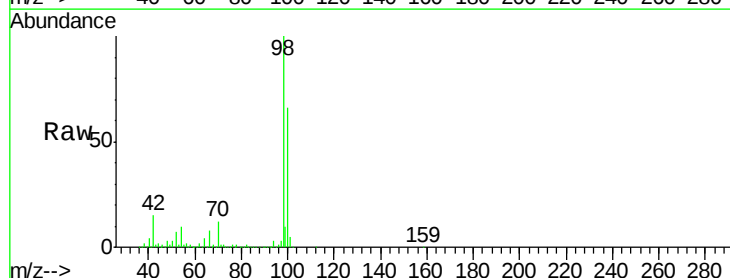
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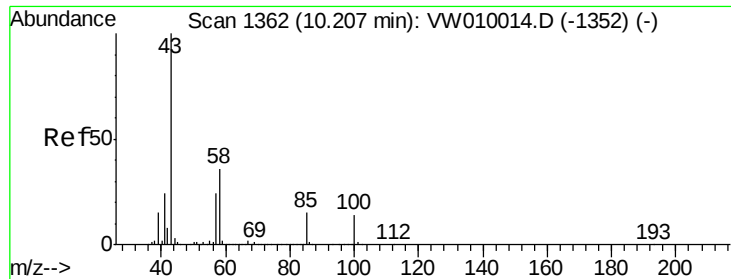
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#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	98	Resp	792003
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 312.548 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 999249

Ion Ratio Lower Upper

43 100

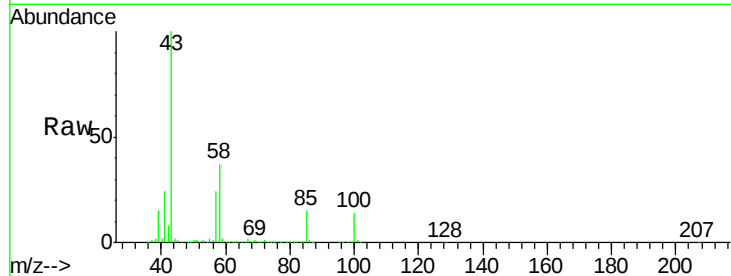
58 36.1 28.9 43.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

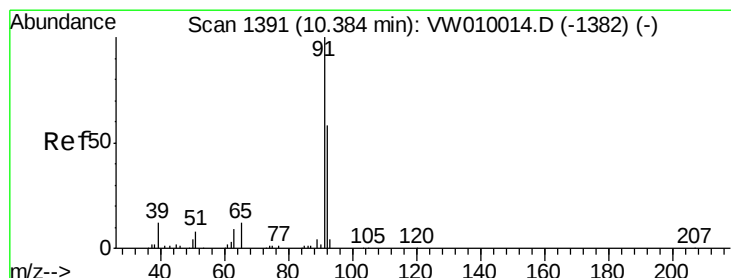
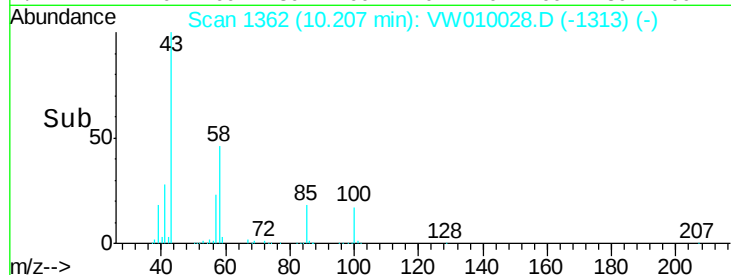
600000

400000

200000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 52.283 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010028.D

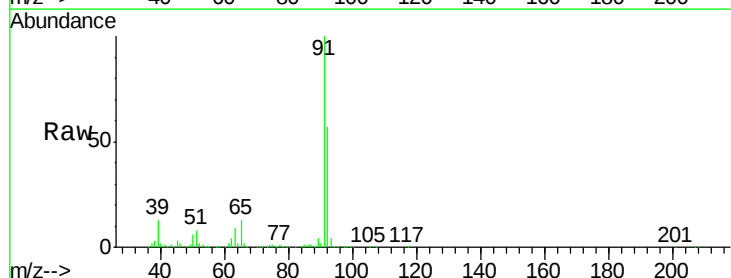
Acq: 17 Apr 2019 21:13

Tgt Ion: 92 Resp: 570862

Ion Ratio Lower Upper

92 100

91 172.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

600000

500000

400000

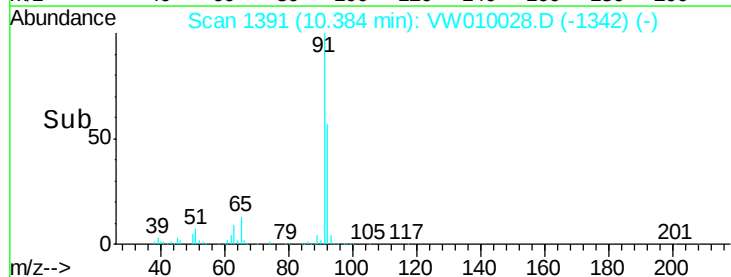
300000

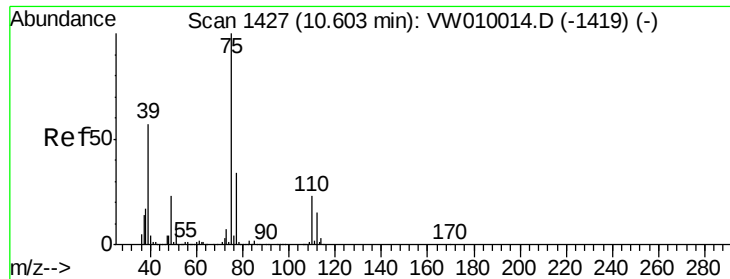
200000

100000

0

Time--> 10.20 10.30 10.40 10.50





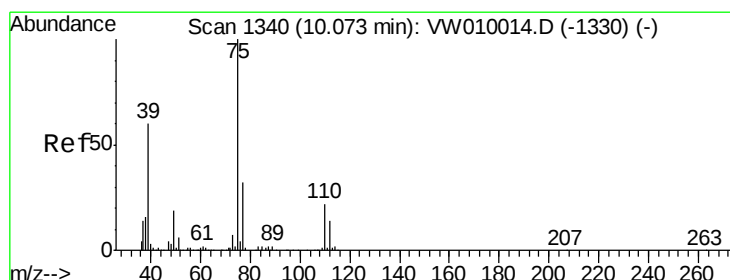
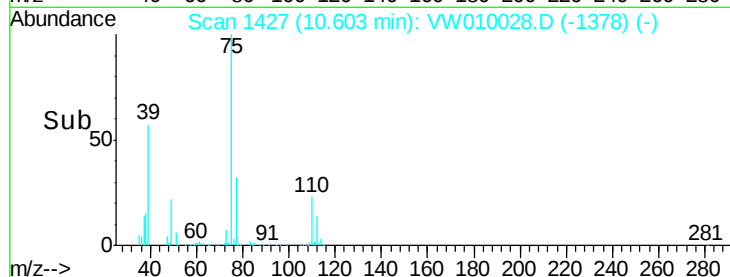
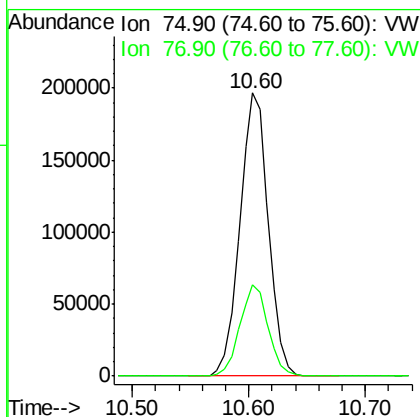
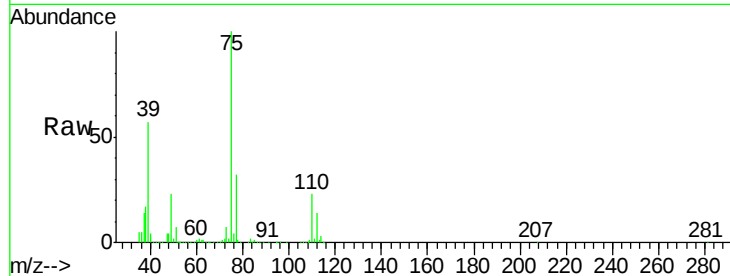
#53
 t-1,3-Dichloropropene
 Concen: 54.584 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.9	40.3

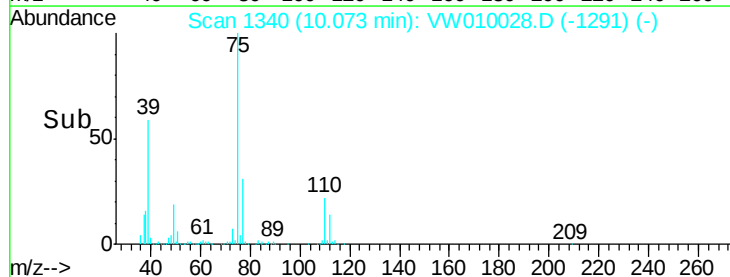
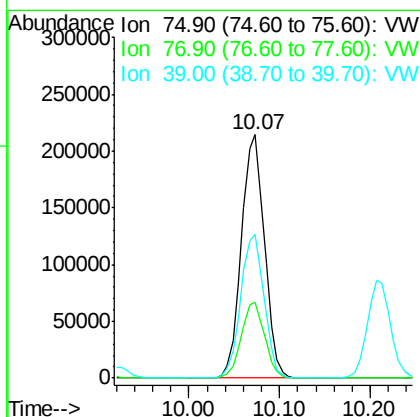
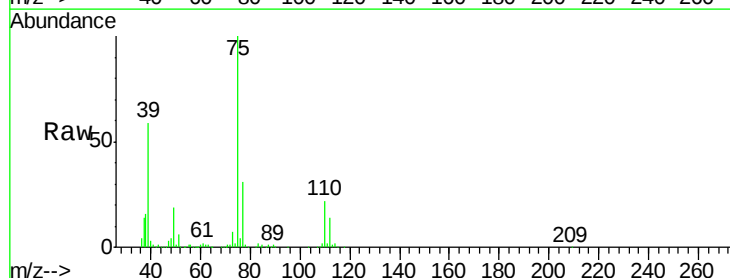
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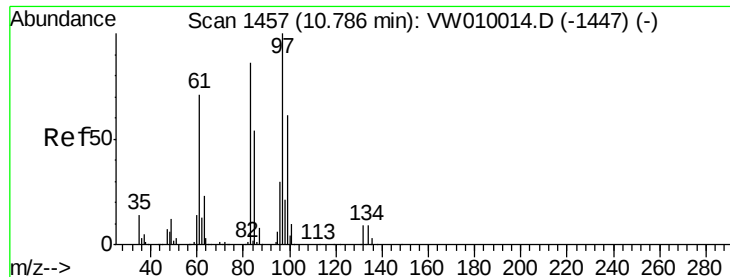
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#54
 cis-1,3-Dichloropropene
 Concen: 54.131 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4
39	58.8	47.8	71.6





#55

1,1,2-Trichloroethane

Concen: 54.475 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 181562

Ion Ratio Lower Upper

97 100

83 86.7 68.9 103.3

85 53.7 42.9 64.3

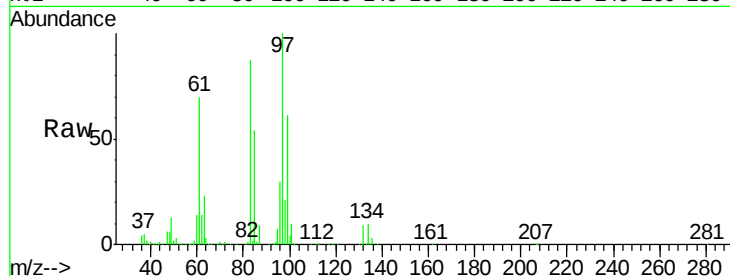
99 60.6 48.6 72.8

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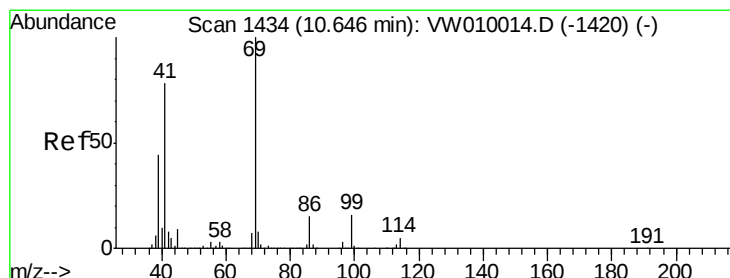
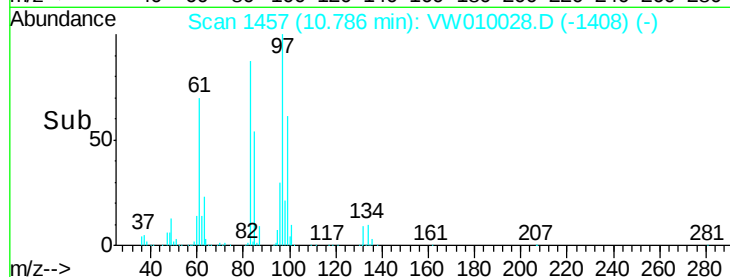
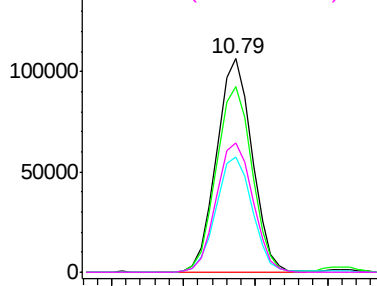


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 57.176 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

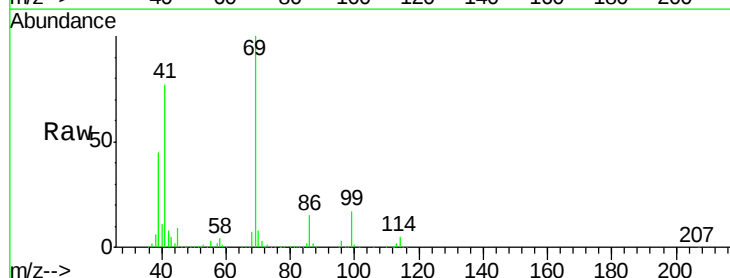
Tgt Ion: 69 Resp: 266473

Ion Ratio Lower Upper

69 100

41 77.2 61.0 91.6

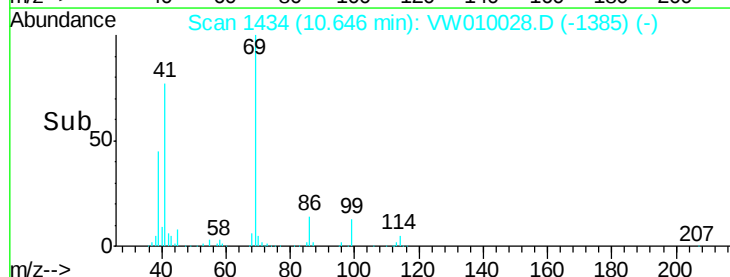
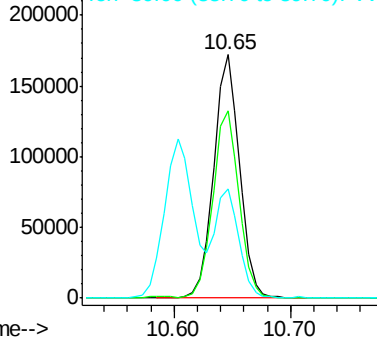
39 41.1 33.8 50.6

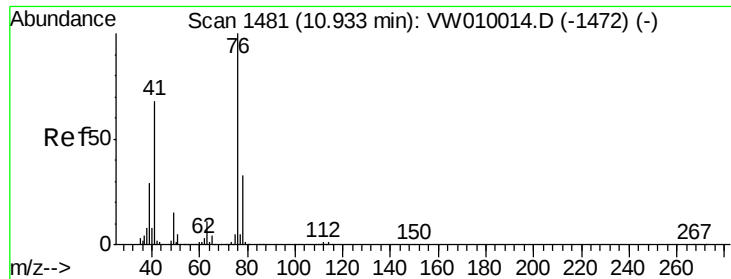


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 55.797 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 333322

Ion Ratio Lower Upper

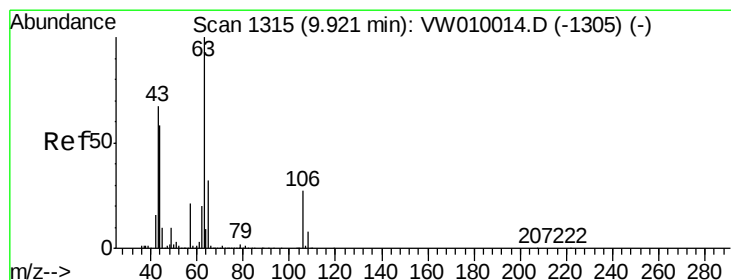
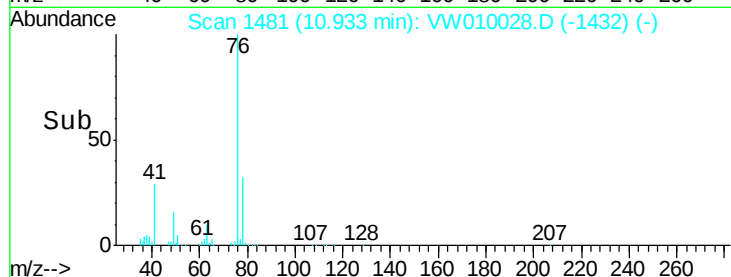
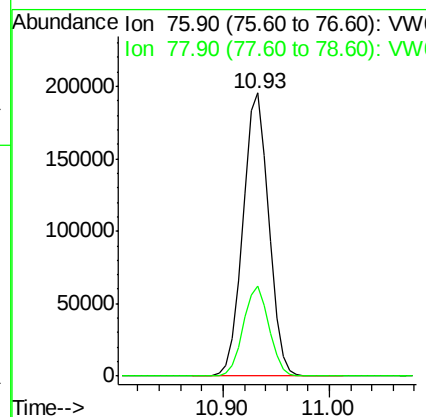
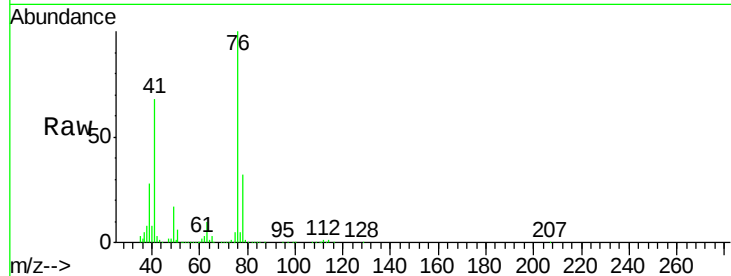
76 100

78 31.8 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 299.324 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW010028.D

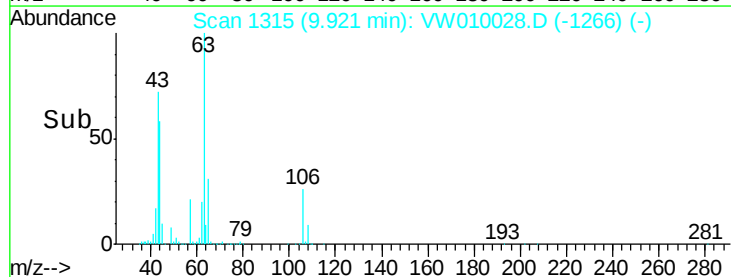
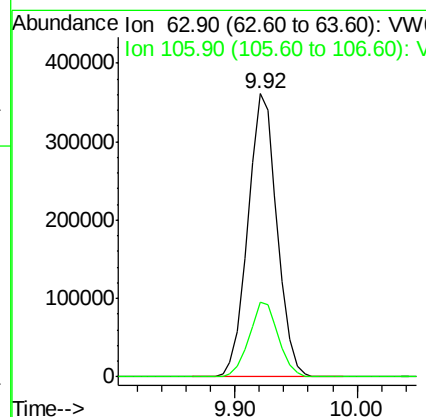
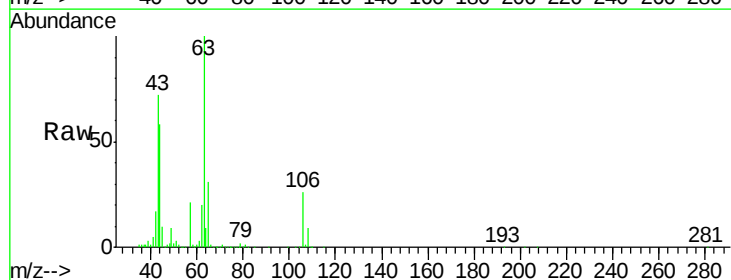
Acq: 17 Apr 2019 21:13

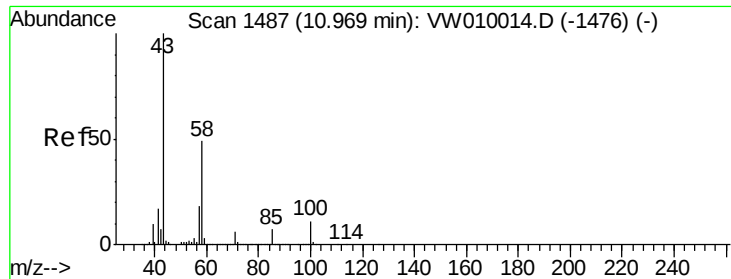
Tgt Ion: 63 Resp: 596123

Ion Ratio Lower Upper

63 100

106 26.6 21.4 32.0





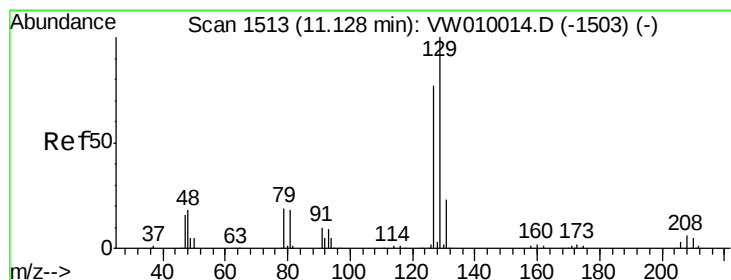
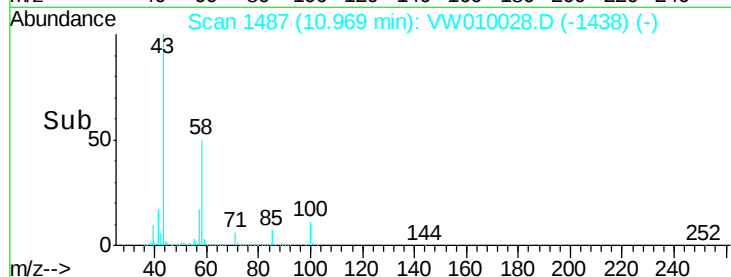
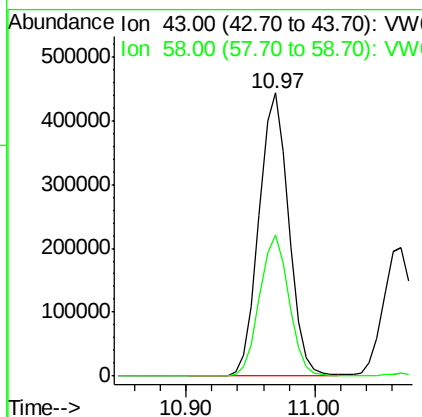
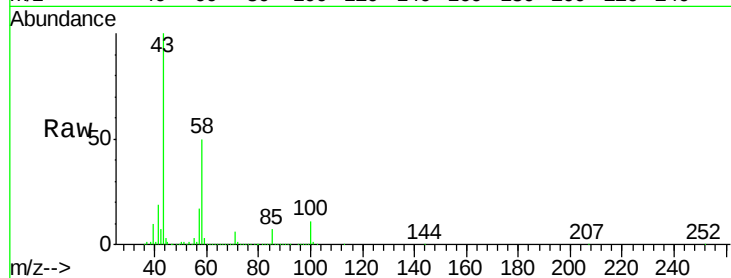
#59
2-Hexanone
Concen: 317.268 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	706090
Ion Ratio	100	Lower	Upper
43	100		
58	49.3	24.9	74.7

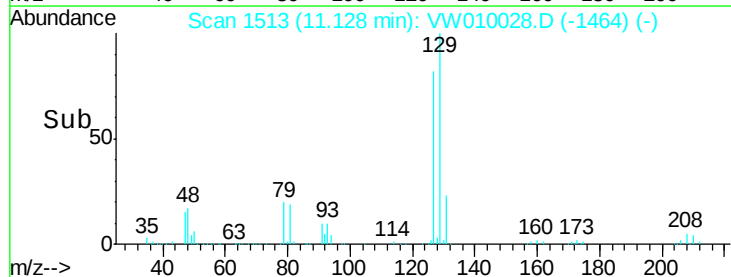
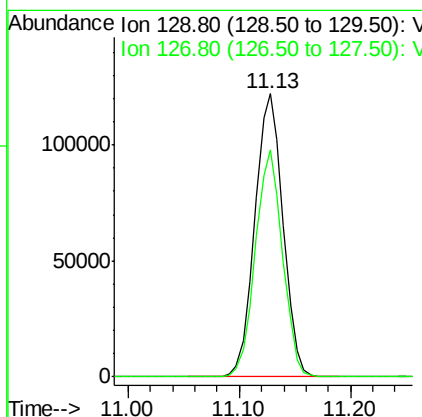
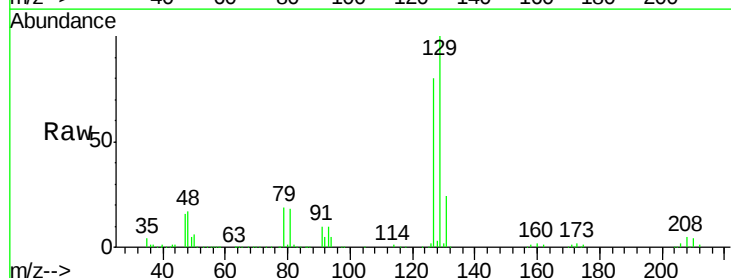
Manual Integrations
APPROVED

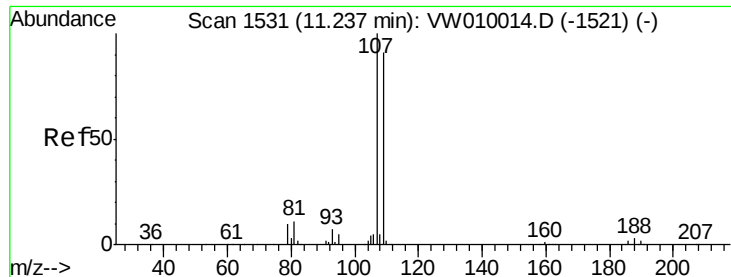
MMDadoda
4/18/2019 11:39:36 AM



#60
Dibromochloromethane
Concen: 55.814 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	129	Resp	215005
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.6	116.0





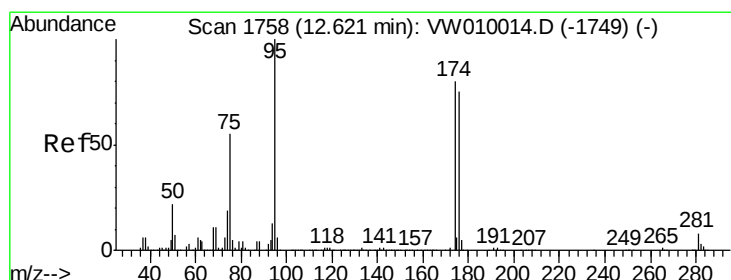
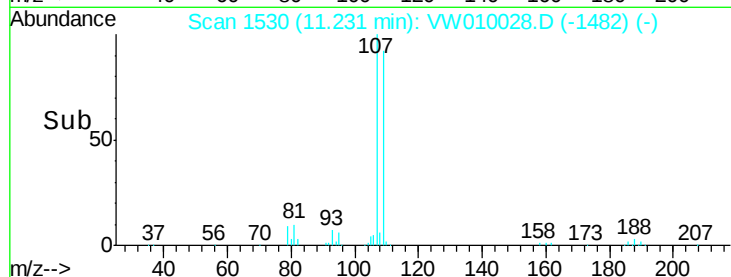
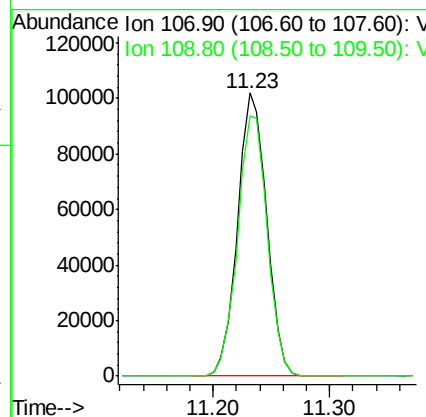
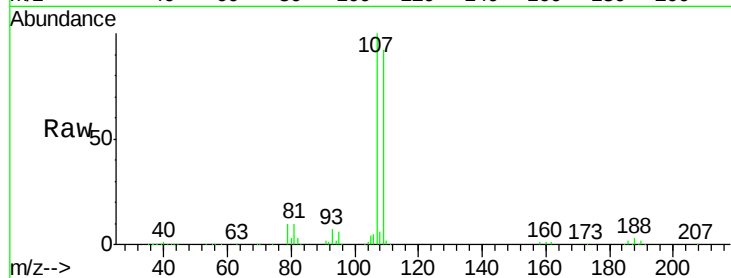
#61
 1,2-Dibromoethane
 Concen: 55.973 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	73.6	110.4

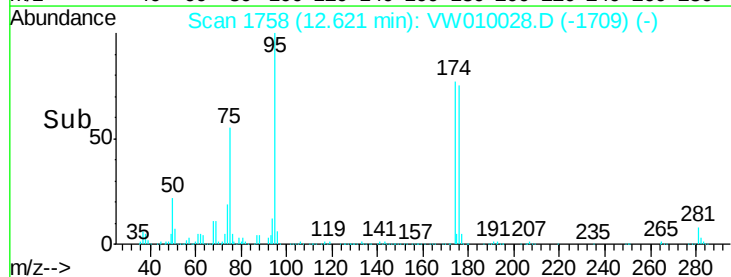
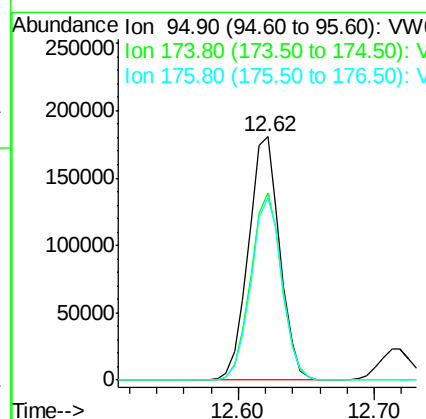
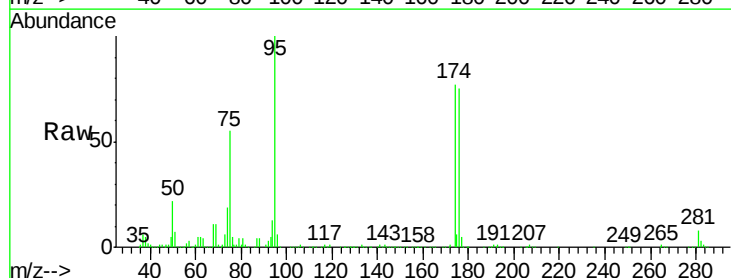
Manual Integrations
 APPROVED

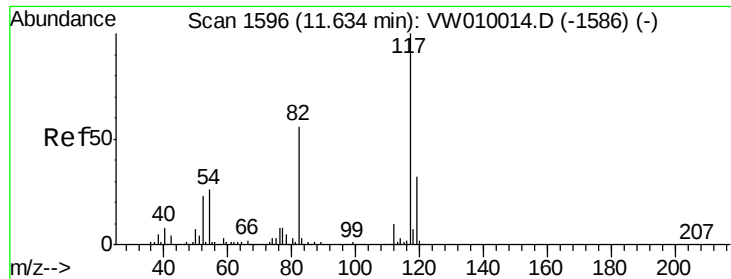
MMDadoda
 4/18/2019 11:39:36 AM



#62
 4-Bromofluorobenzene
 Concen: 53.600 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	151.4
176	74.4	0.0	146.2





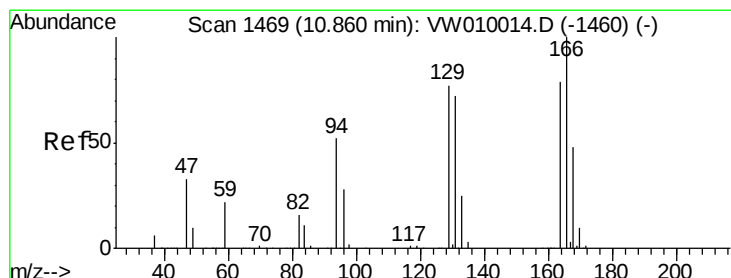
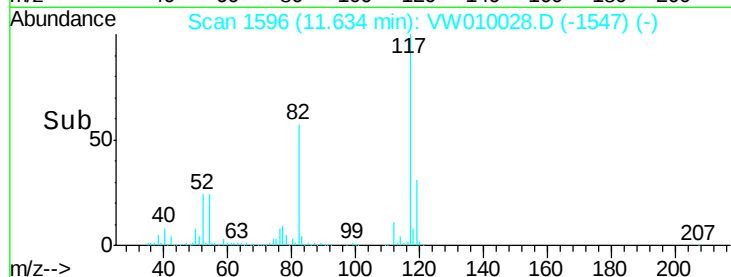
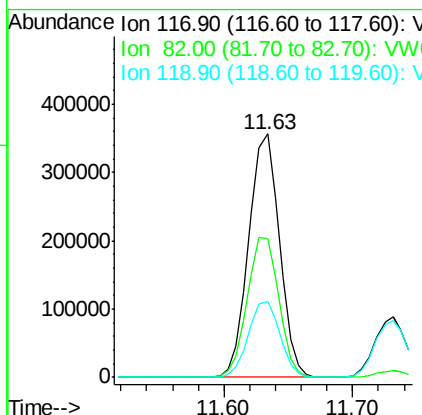
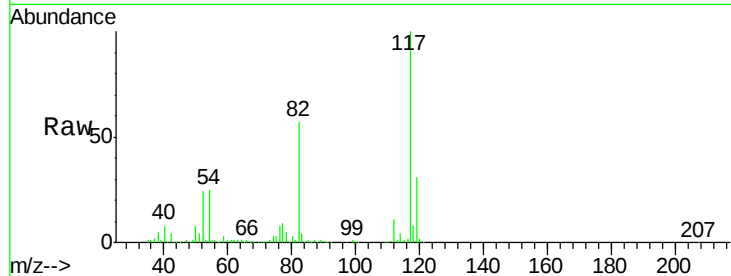
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	586662		
82	56.9		45.2	67.8
119	31.1		25.4	38.2

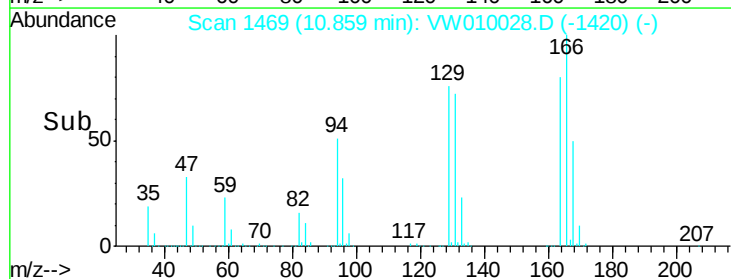
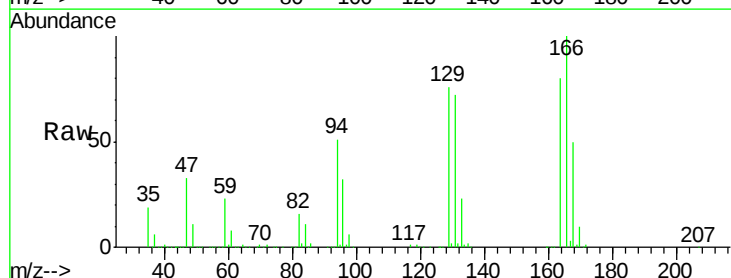
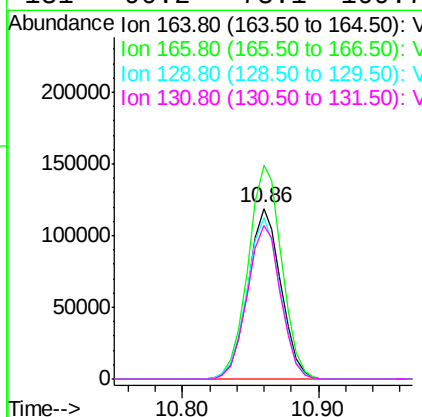
Manual Integrations
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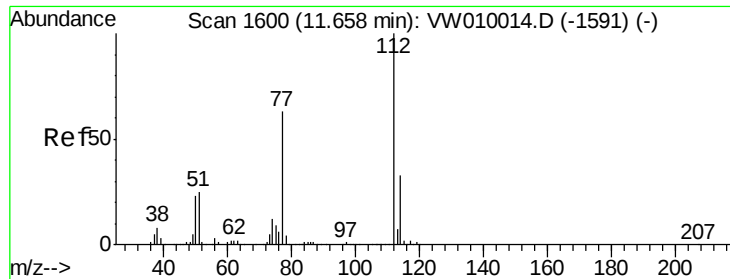
MMDadoda
4/18/2019 11:39:36 AM



#64
Tetrachloroethene
Concen: 52.892 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201435		
166	125.2		101.2	151.8
129	94.8		77.8	116.6
131	90.2		73.1	109.7





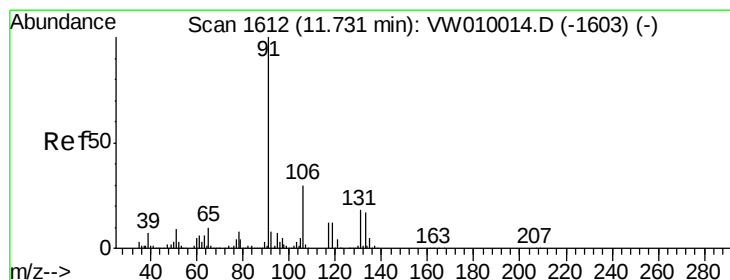
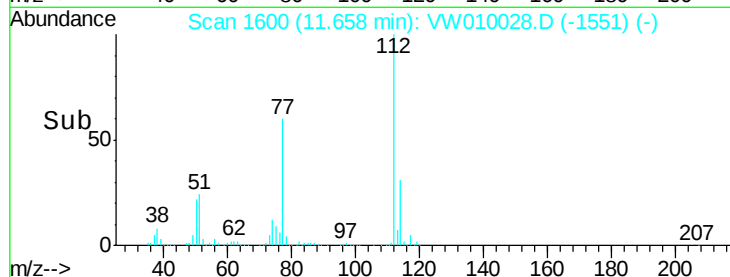
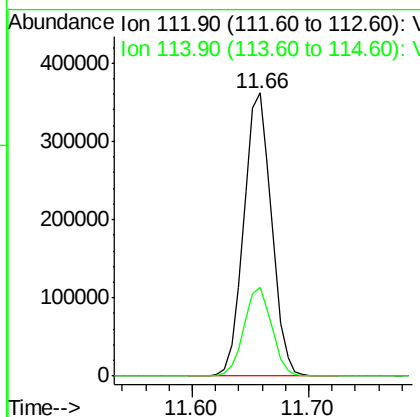
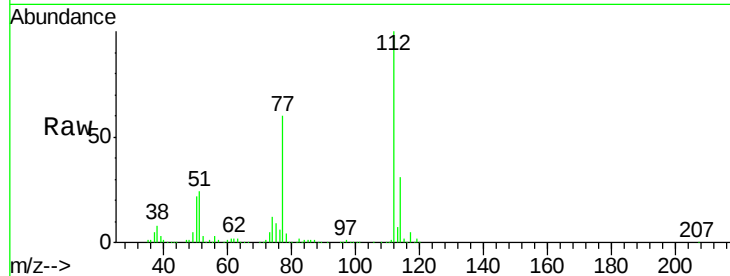
#65
Chlorobenzene
Concen: 50.252 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 603392
Ion Ratio Lower Upper
112 100
114 31.2 26.5 39.7

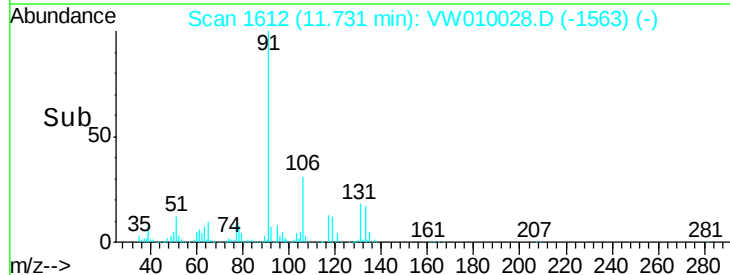
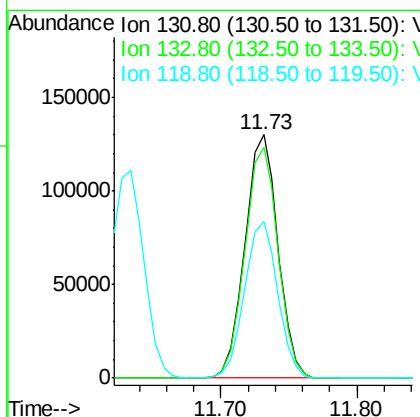
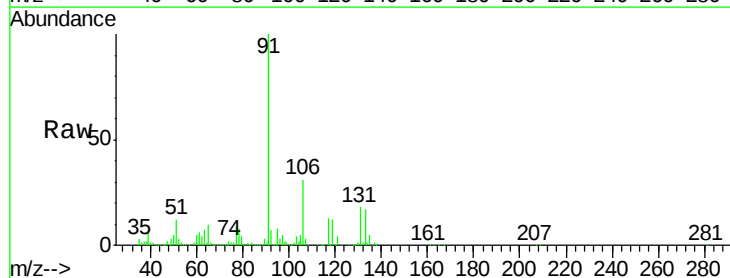
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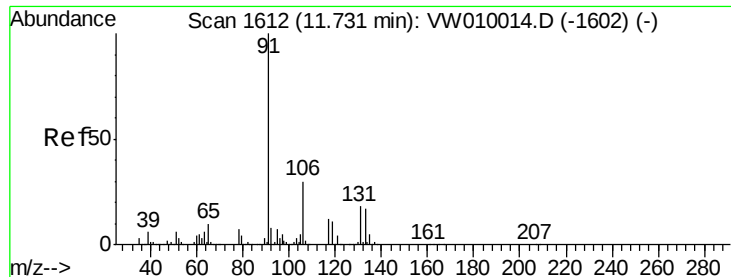
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.436 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion:131 Resp: 220865
Ion Ratio Lower Upper
131 100
133 95.5 46.5 139.5
119 64.7 31.9 95.5





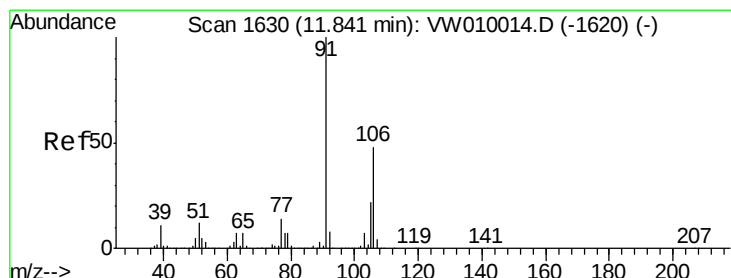
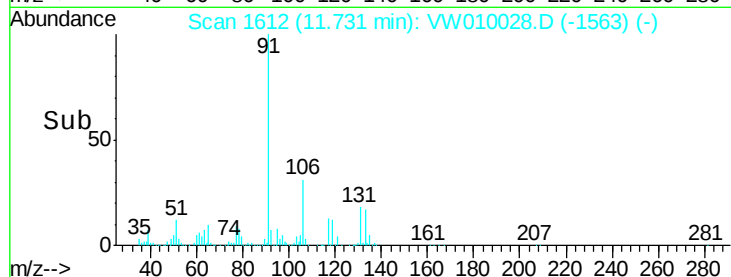
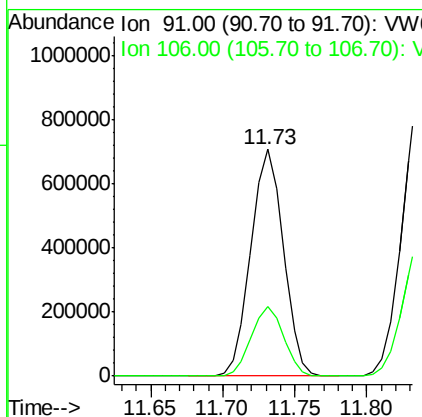
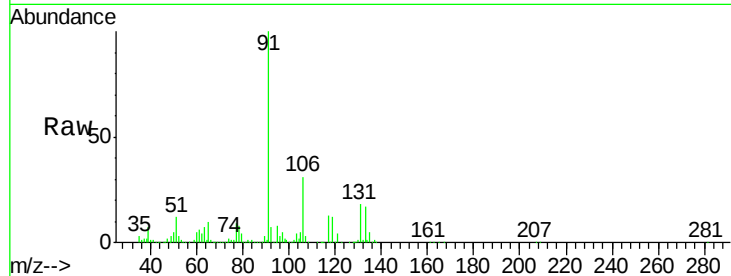
#67
Ethyl Benzene
Concen: 51.876 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1111352
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.8

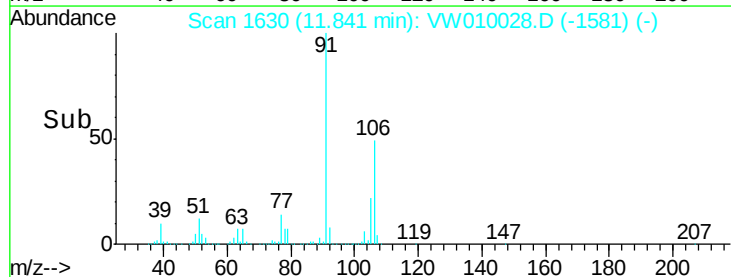
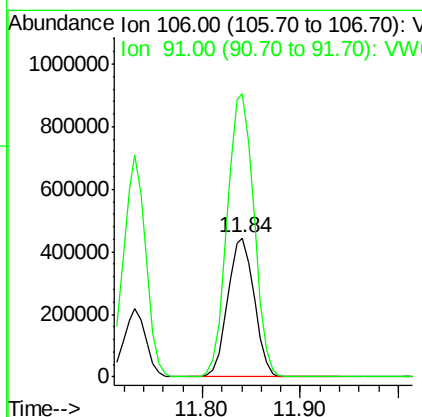
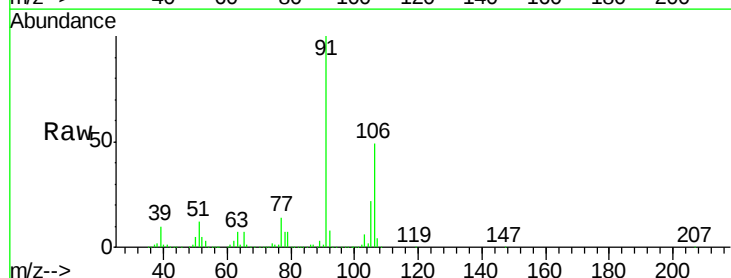
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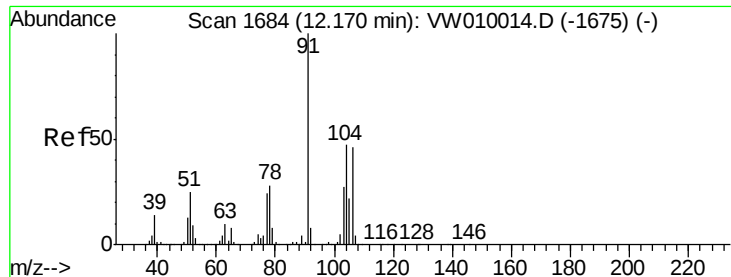
MMDadoda
4/18/2019 11:39:36 AM



#68
m/p-Xylenes
Concen: 103.551 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion: 106 Resp: 829245
Ion Ratio Lower Upper
106 100
91 206.7 165.0 247.6





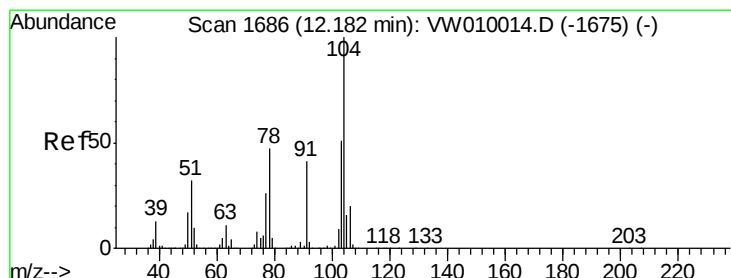
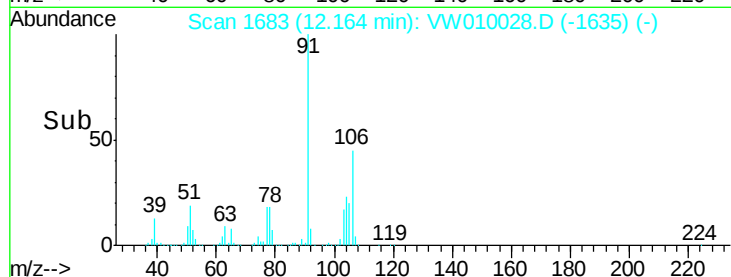
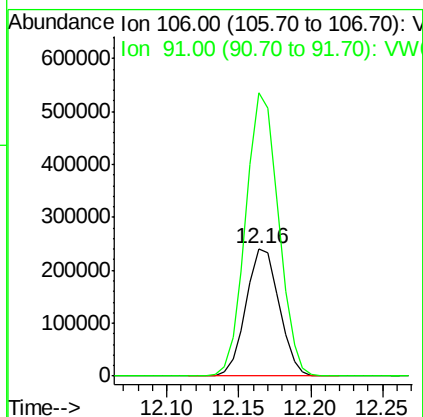
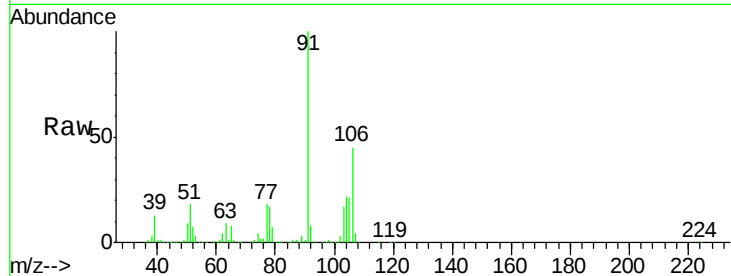
#69
o-Xylene
Concen: 52.852 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 385380
Ion Ratio Lower Upper
106 100
91 219.3 110.5 331.4

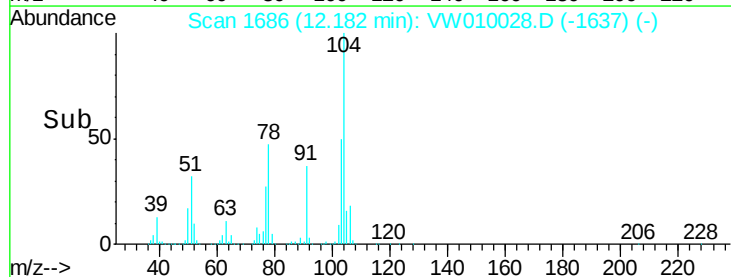
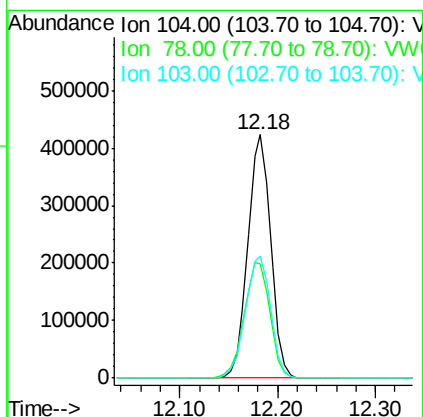
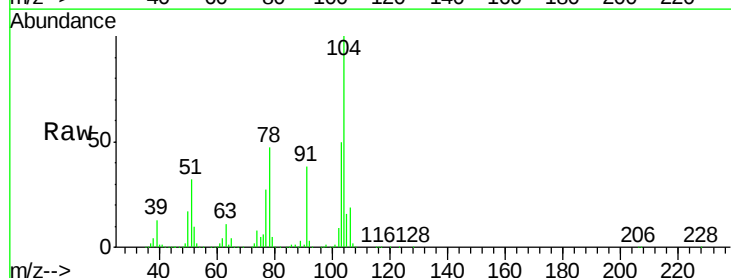
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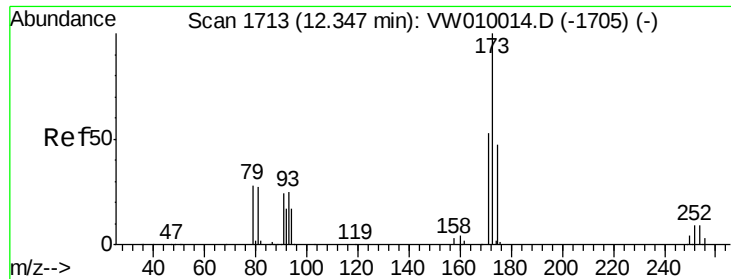
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#70
Styrene
Concen: 54.669 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion:104 Resp: 687312
Ion Ratio Lower Upper
104 100
78 53.0 42.5 63.7
103 55.1 43.6 65.4





#71

Bromoform

Concen: 55.297 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 125555

Ion Ratio Lower Upper

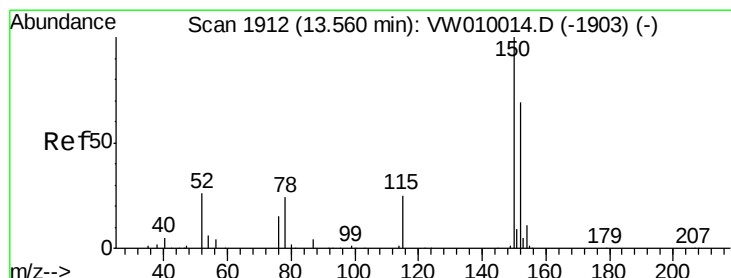
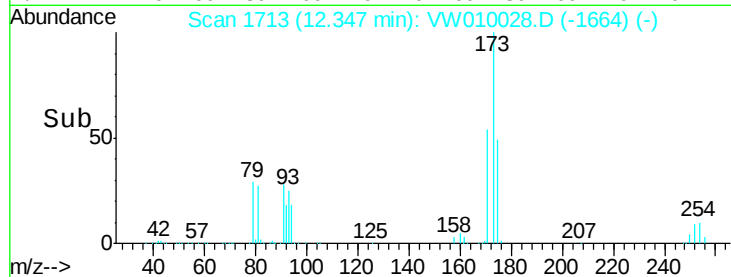
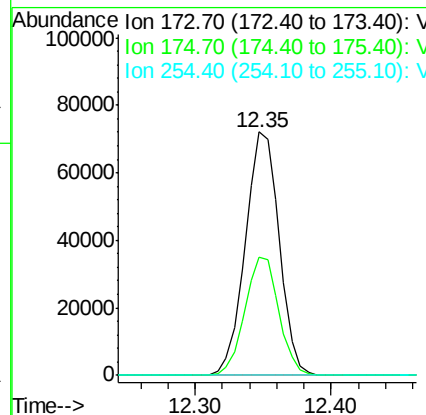
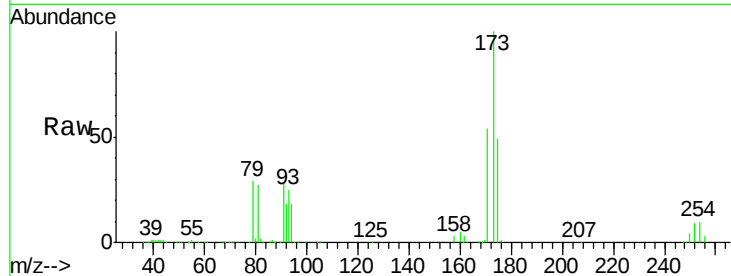
173 100

175 48.7 23.8 71.4

254 0.1 0.1 0.1#

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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: VW010028.D

Acq: 17 Apr 2019 21:13

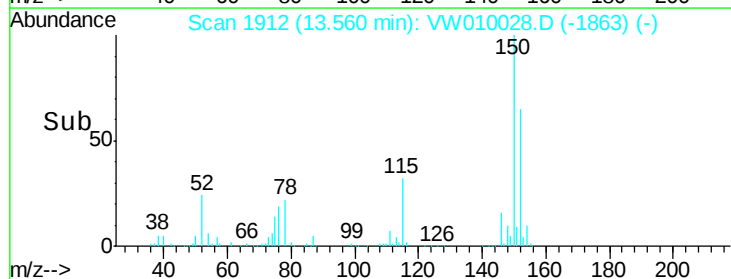
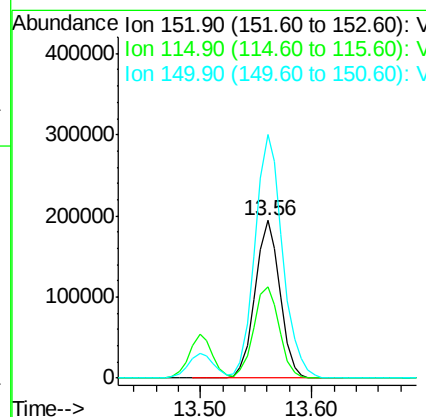
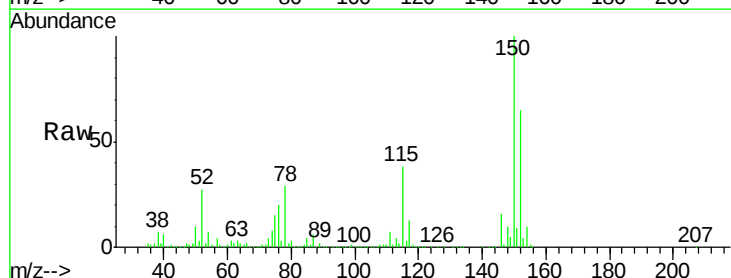
Tgt Ion:152 Resp: 301813

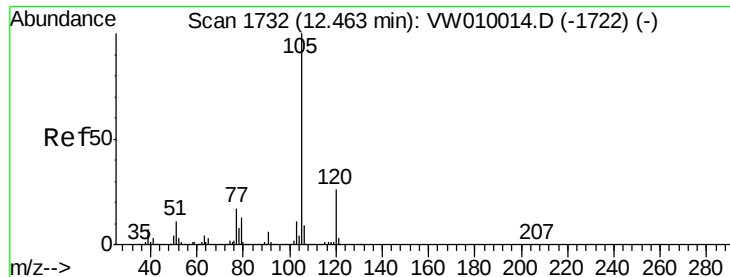
Ion Ratio Lower Upper

152 100

115 59.5 30.4 91.2

150 171.8 0.0 347.0





#73

Isopropylbenzene

Concen: 50.709 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1065171

Ion Ratio Lower Upper

105 100

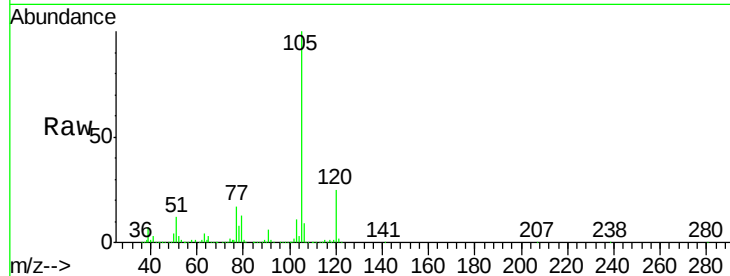
120 26.0 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

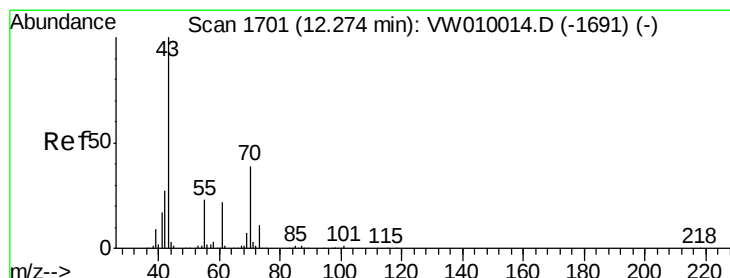
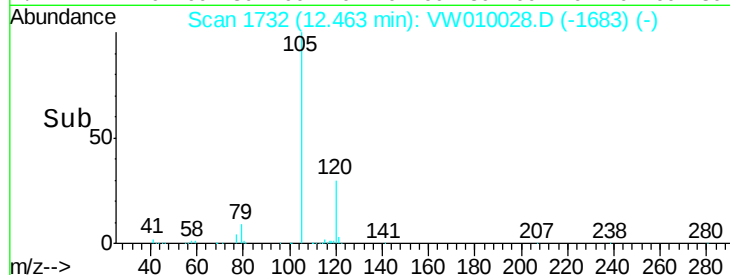
200000

0

12.46

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 59.376 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion: 43 Resp: 345396

Ion Ratio Lower Upper

43 100

70 37.7 31.3 46.9

55 24.3 20.0 30.0

61 22.0 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

300000

200000

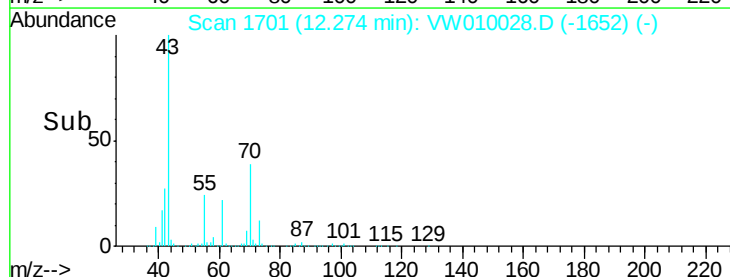
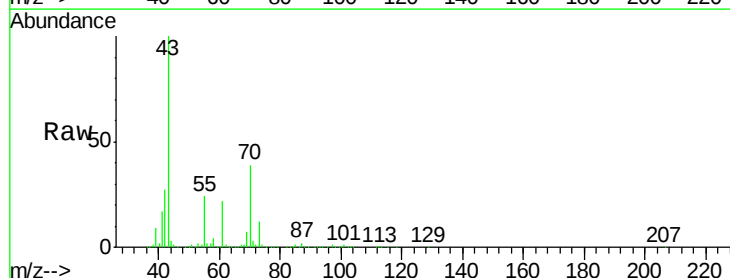
100000

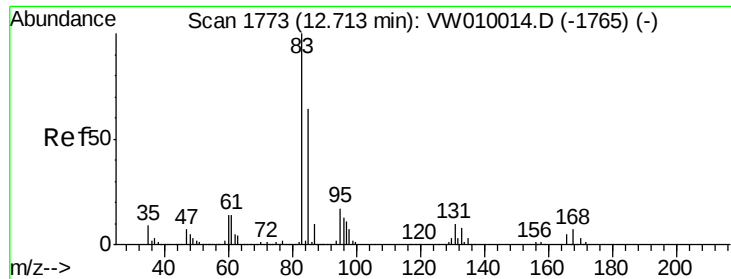
0

12.27

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.626 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

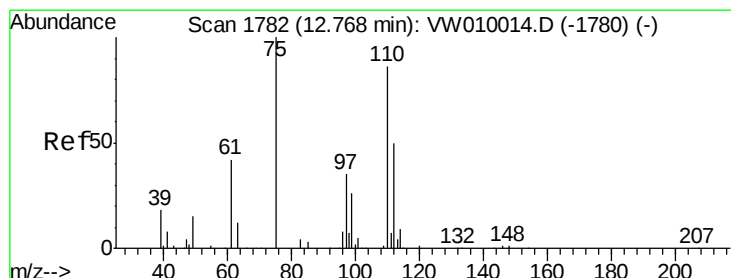
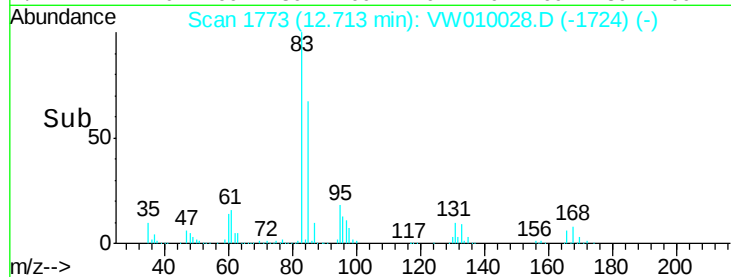
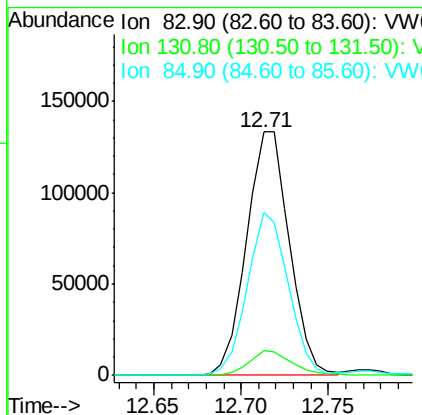
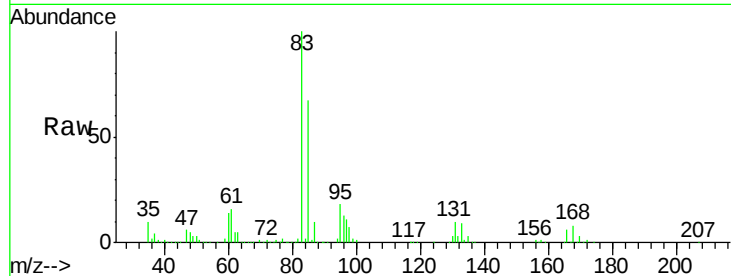
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	226697
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.2	32.0	96.2

Manual Integrations
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4/18/2019 11:39:36 AM



#76

1,2,3-Trichloropropane

Concen: 55.368 ug/l m

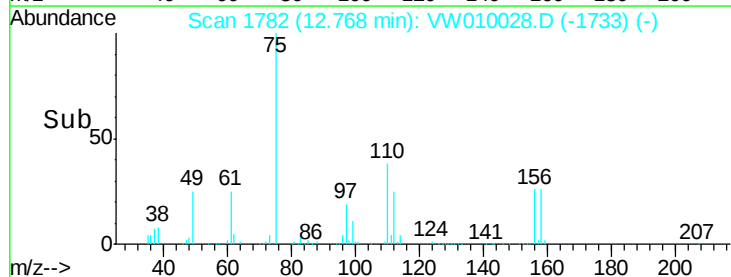
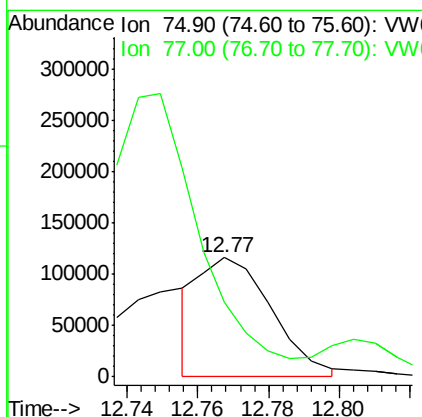
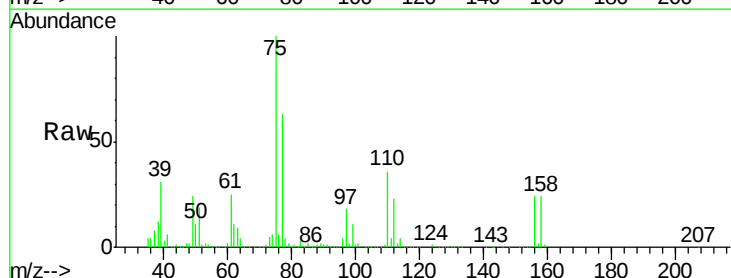
RT: 12.77 min Scan# 1782

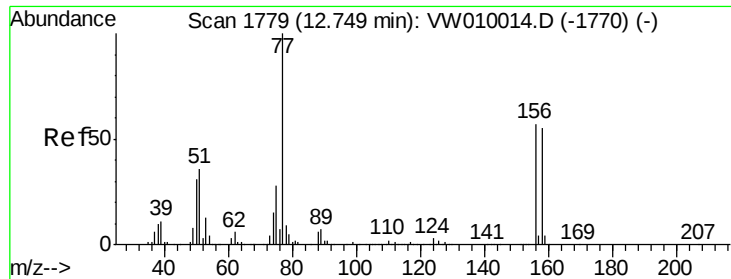
Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	75	Resp:	167249
Ion Ratio	Lower	Upper	
75	100		
77	309.4	0.0	0.0#





#77

Bromobenzene

Concen: 51.550 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 249039

Ion Ratio Lower Upper

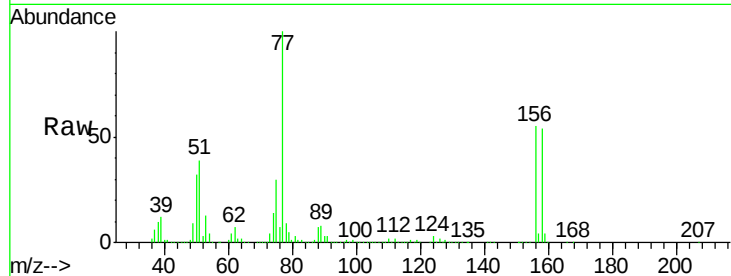
156 100

77 207.8 102.5 307.4

158 97.6 48.8 146.4

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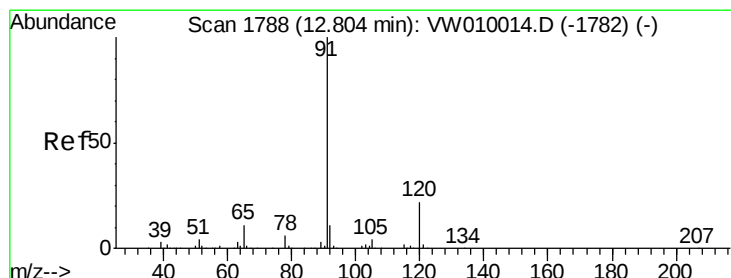
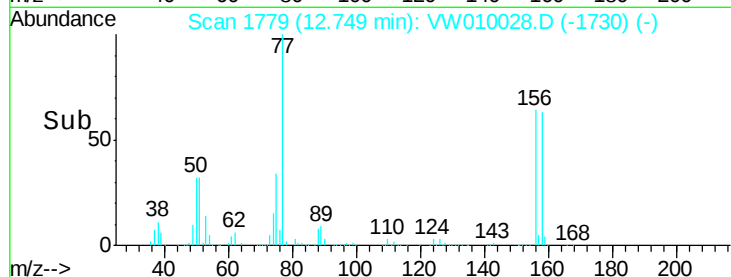
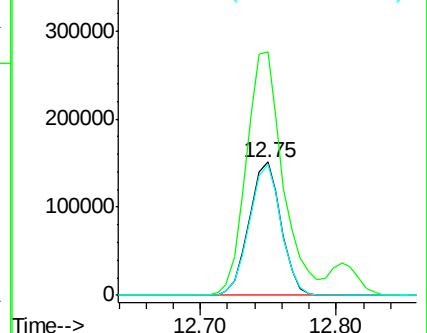
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.621 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010028.D

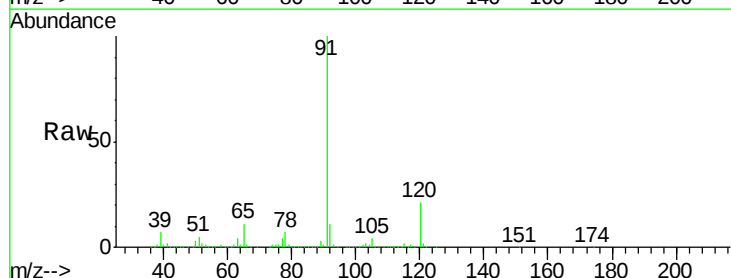
Acq: 17 Apr 2019 21:13

Tgt Ion: 91 Resp: 1317860

Ion Ratio Lower Upper

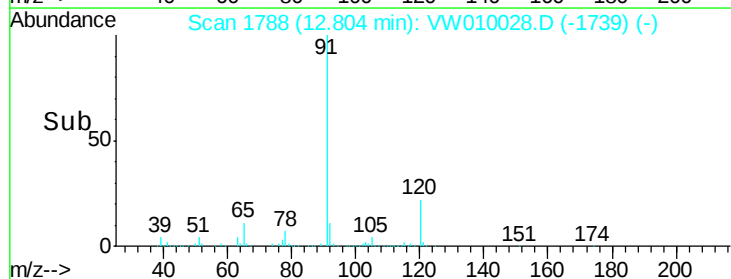
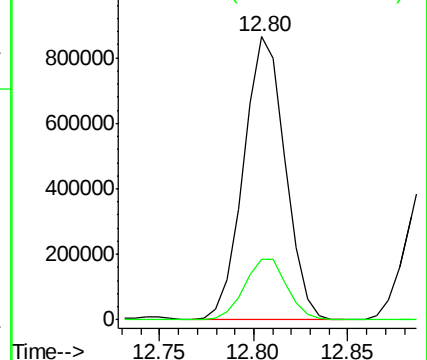
91 100

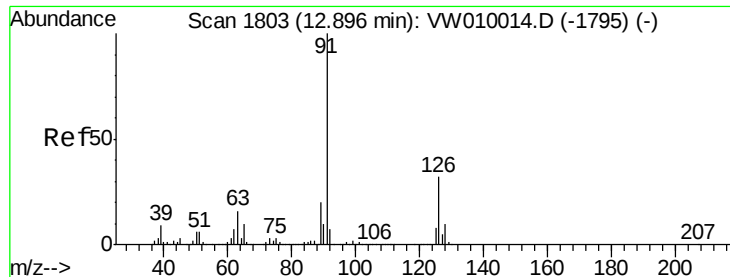
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.395 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 754552

Ion Ratio Lower Upper

91 100

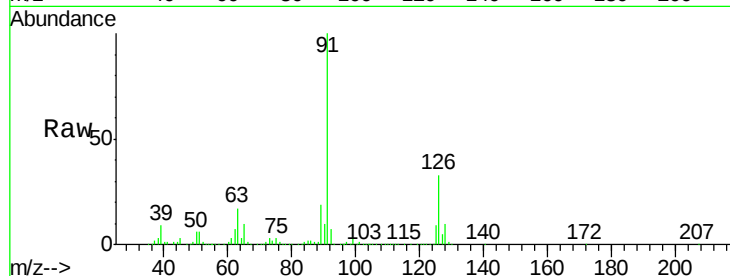
126 32.3 16.3 48.8

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

1000000

800000

600000

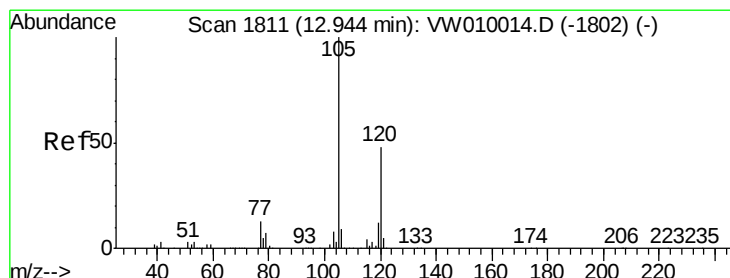
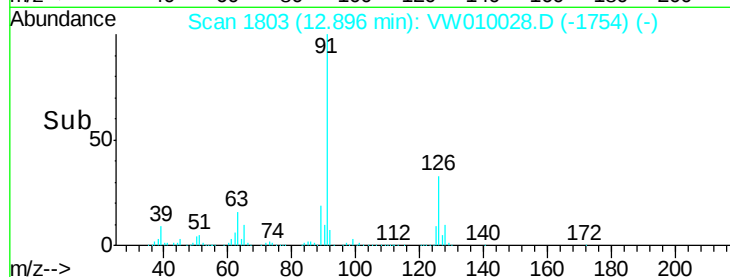
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.826 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010028.D

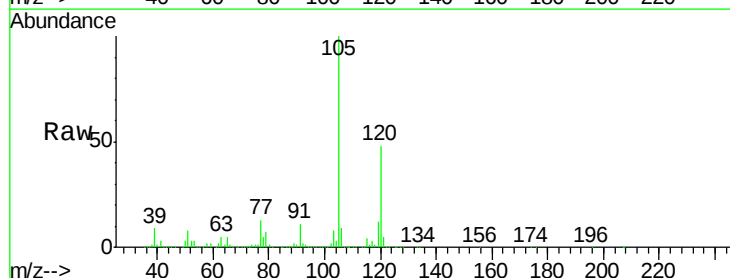
Acq: 17 Apr 2019 21:13

Tgt Ion:105 Resp: 923021

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

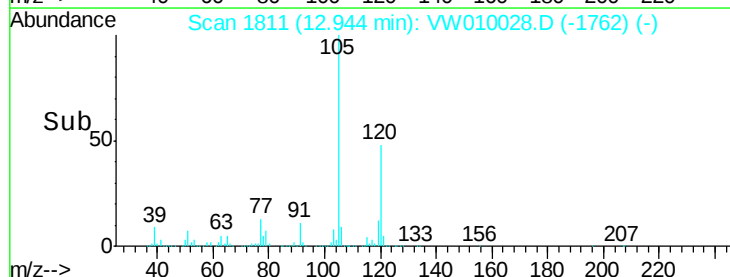
400000

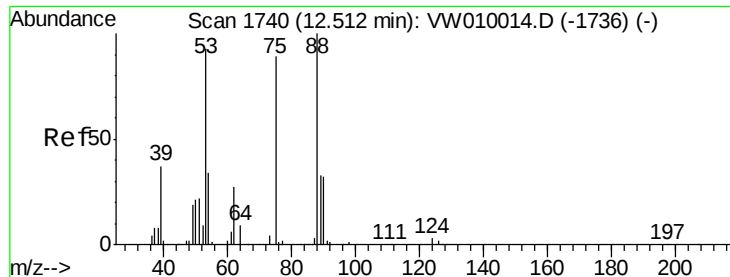
200000

0

12.90 13.00

Time-->





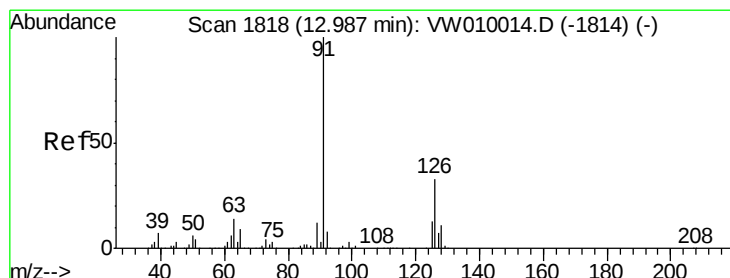
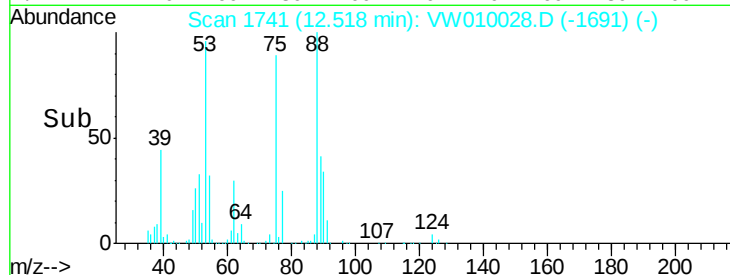
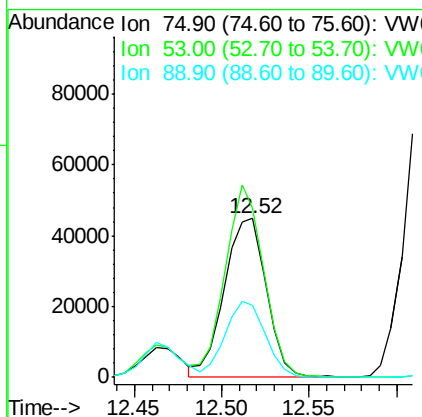
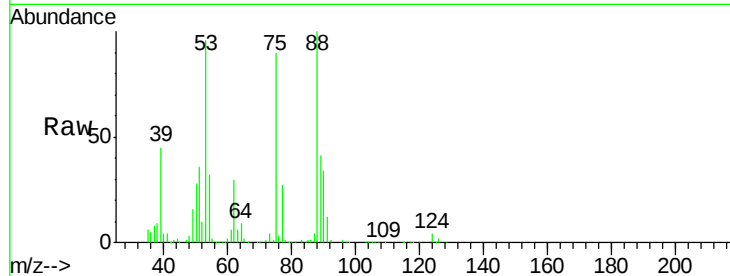
#81
trans-1,4-Dichloro-2-butene
Concen: 57.973 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.2	89.8	134.8
89	46.6	36.6	54.8

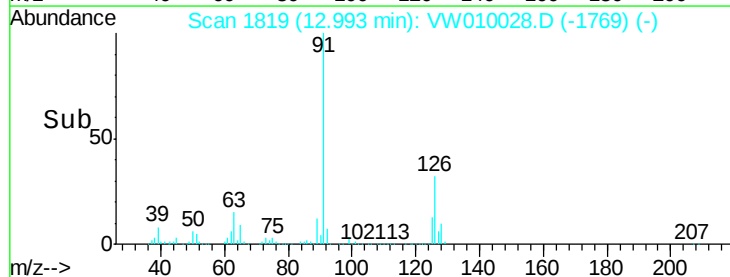
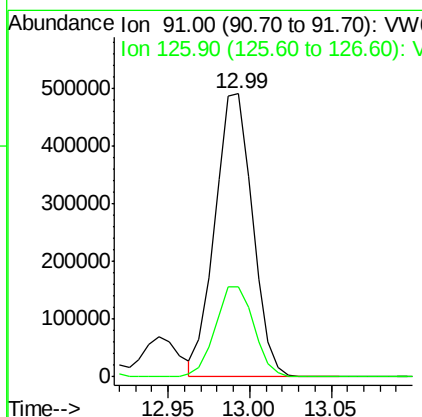
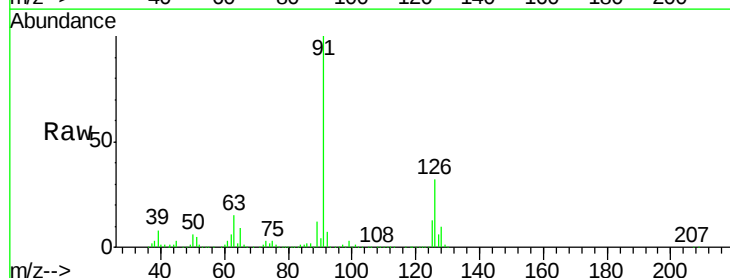
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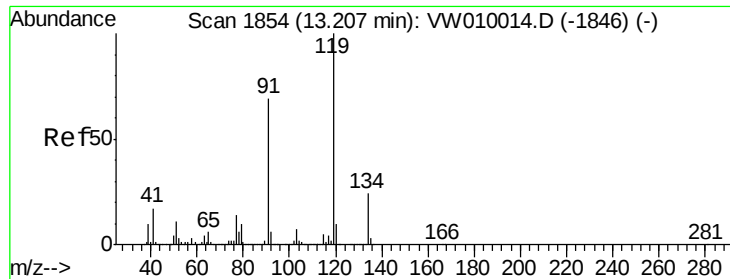
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#82
4-Chlorotoluene
Concen: 49.970 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.1





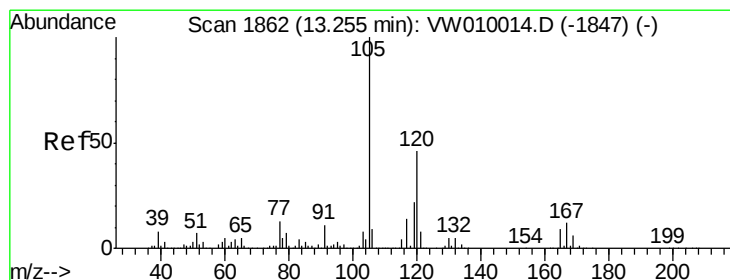
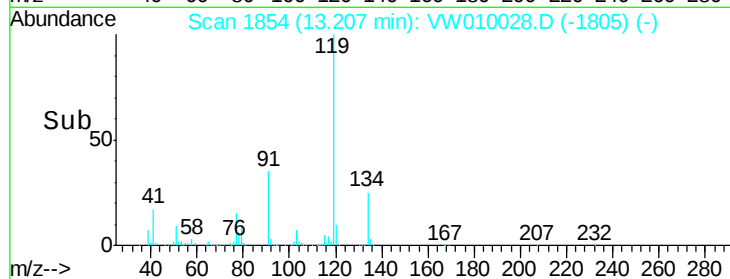
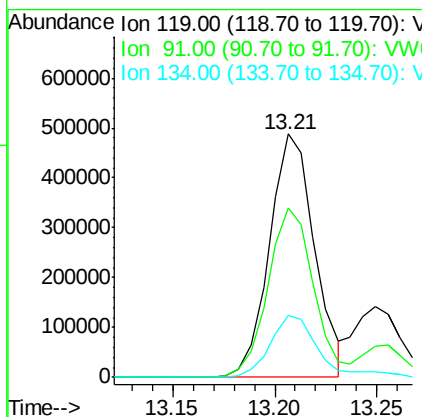
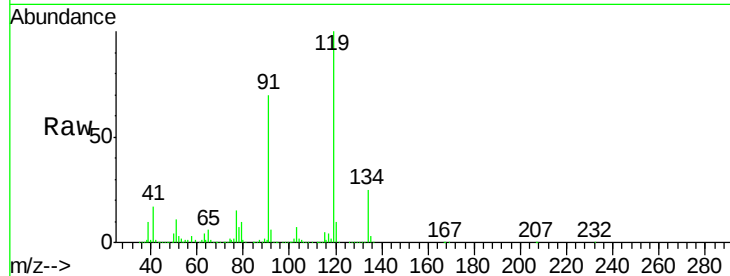
#83
tert-Butylbenzene
Concen: 51.008 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	34.8	104.4
134	27.3	13.7	41.1

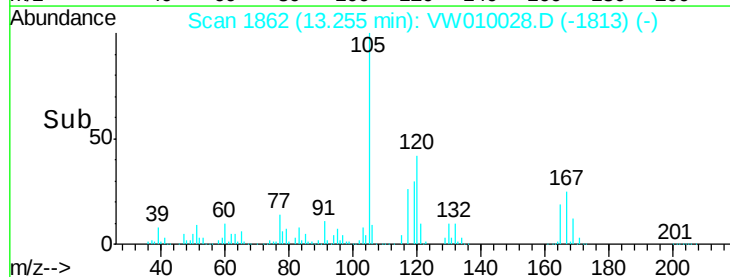
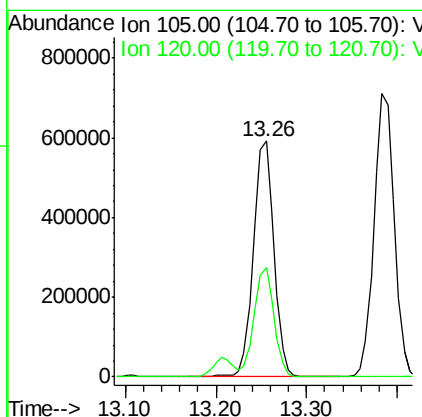
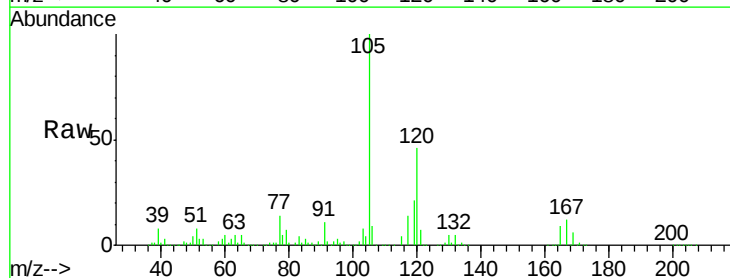
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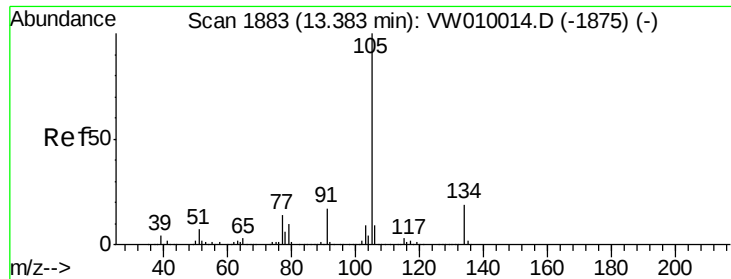
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#84
1,2,4-Trimethylbenzene
Concen: 51.305 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 49.602 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1093257

Ion Ratio Lower Upper

105 100

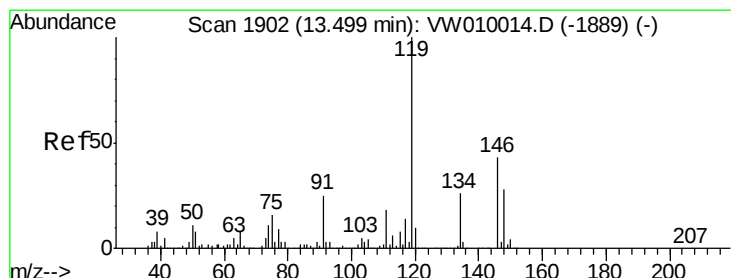
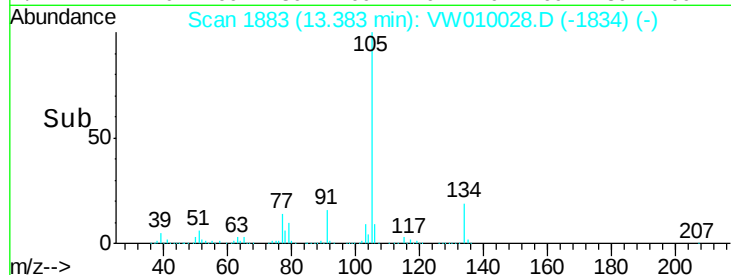
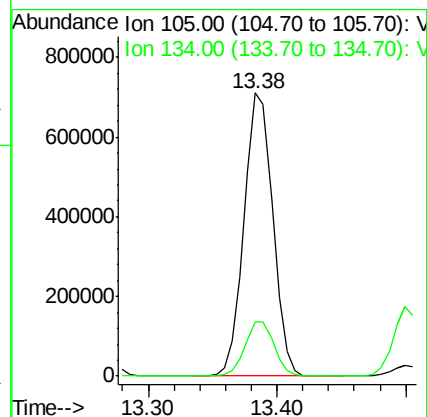
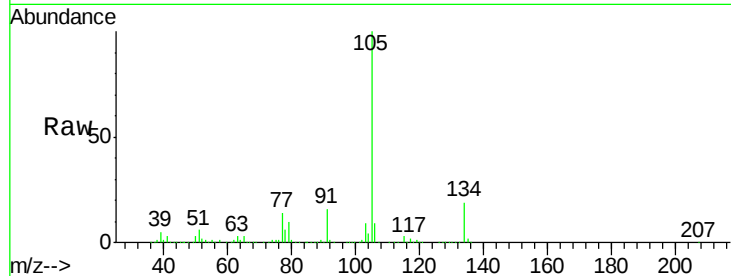
134 19.6 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 50.903 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

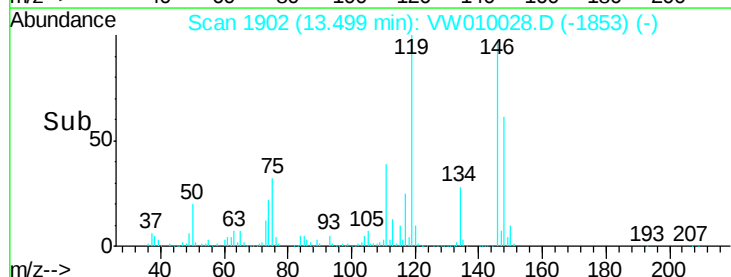
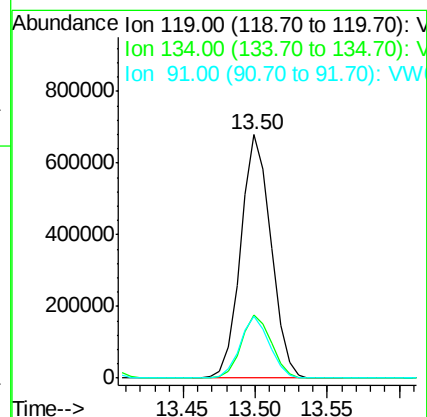
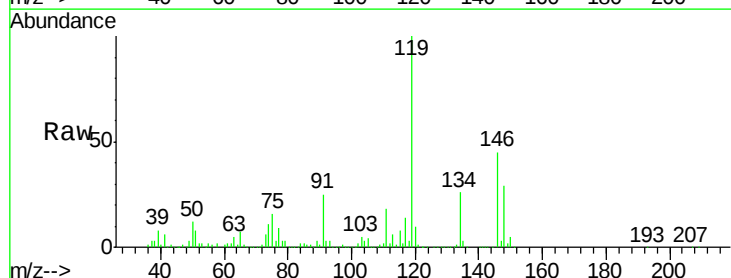
Tgt Ion:119 Resp: 988870

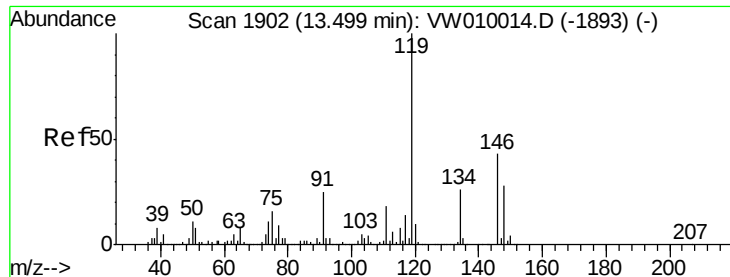
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.949 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 487788

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

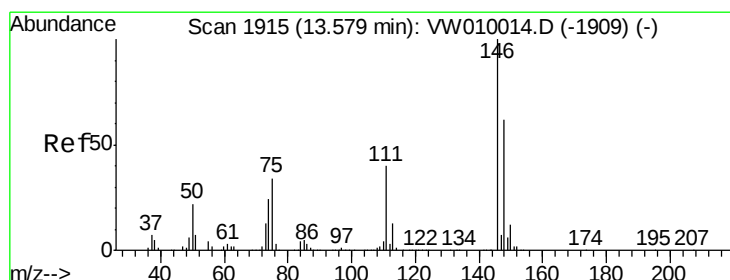
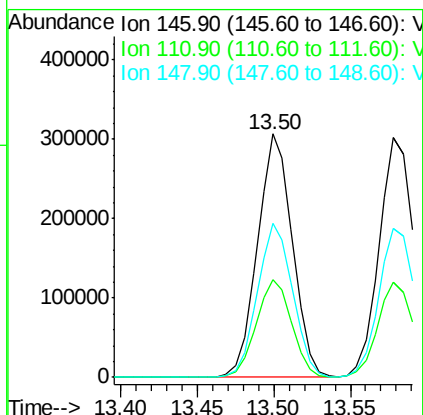
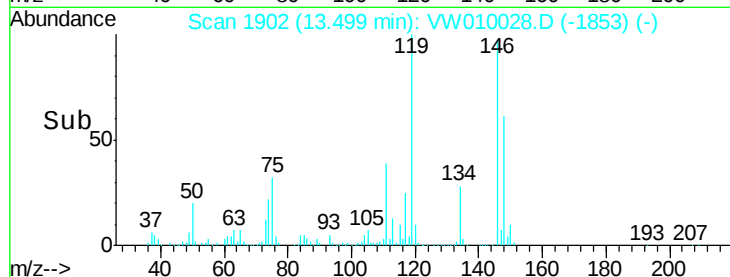
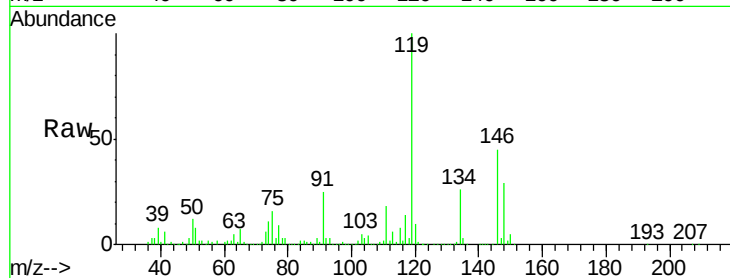
148 63.7 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 49.208 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

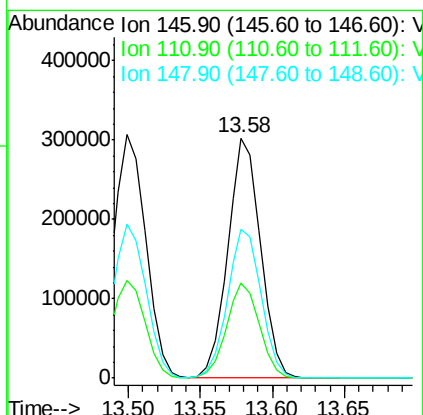
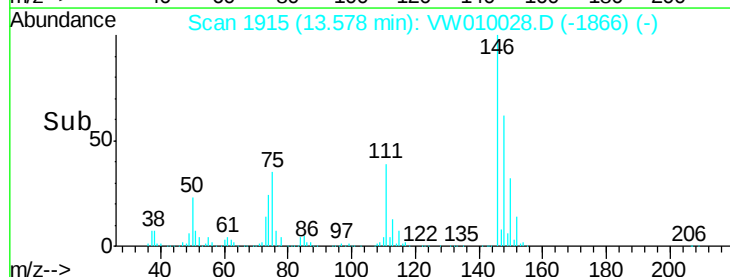
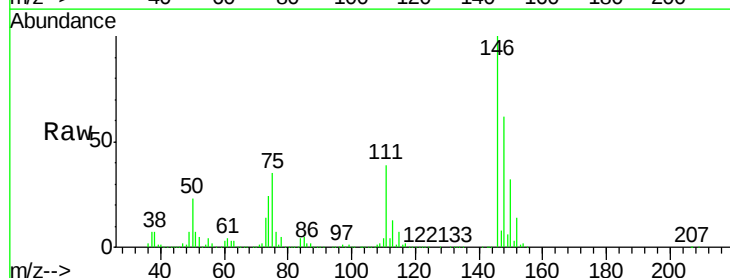
Tgt Ion:146 Resp: 479658

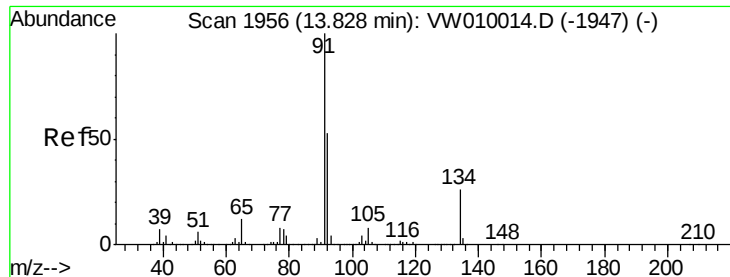
Ion Ratio Lower Upper

146 100

111 39.9 20.1 60.3

148 63.8 31.8 95.3





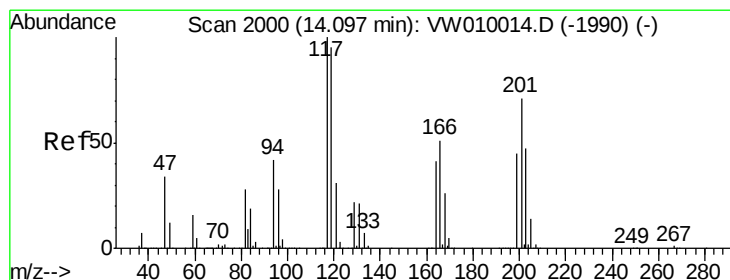
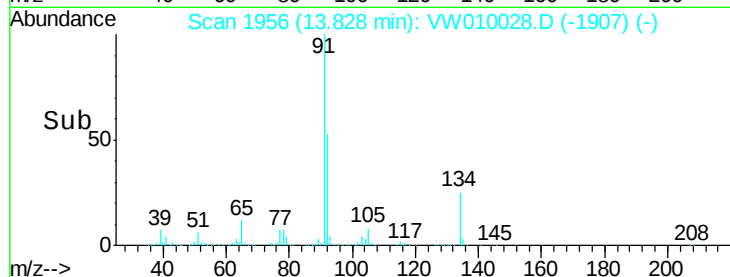
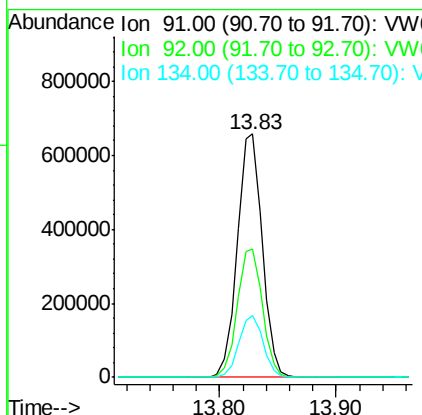
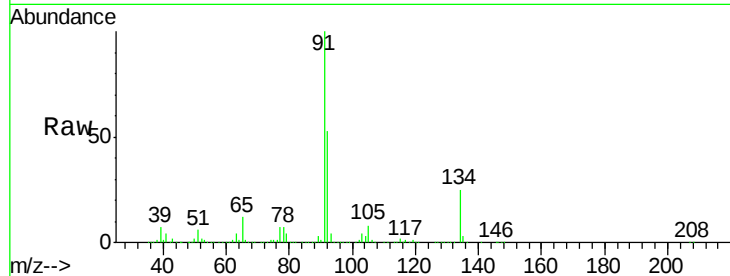
#89
n-Butylbenzene
Concen: 50.980 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.4
134	24.8	12.4	37.0

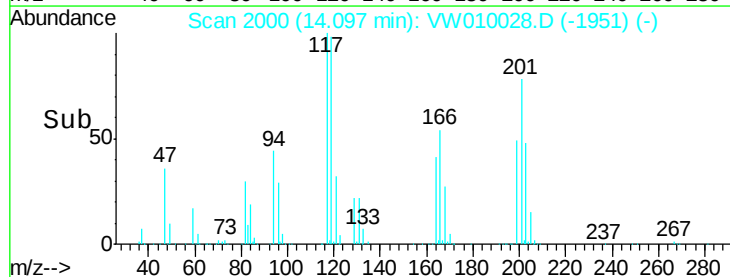
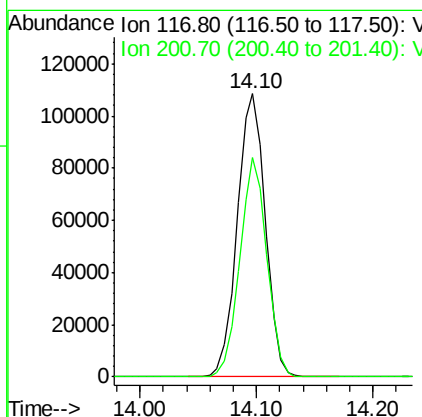
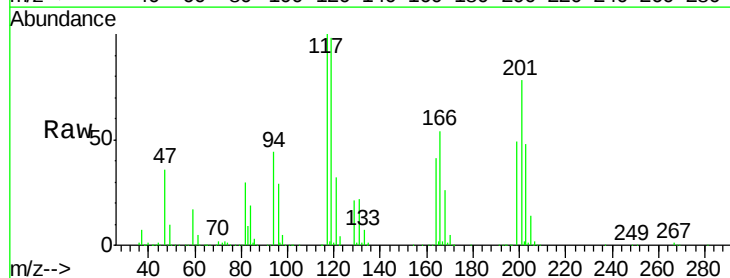
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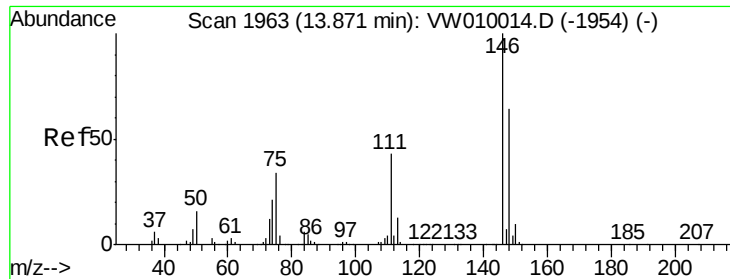
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#90
Hexachloroethane
Concen: 48.950 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010028.D
Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	36.1	108.3





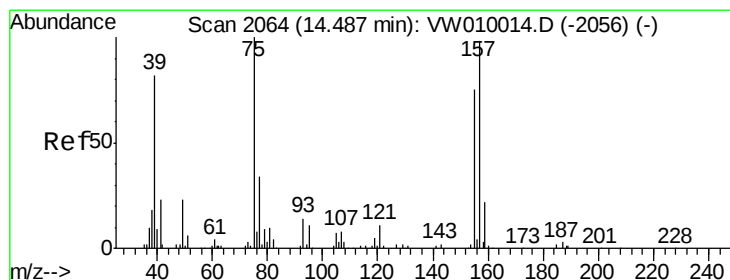
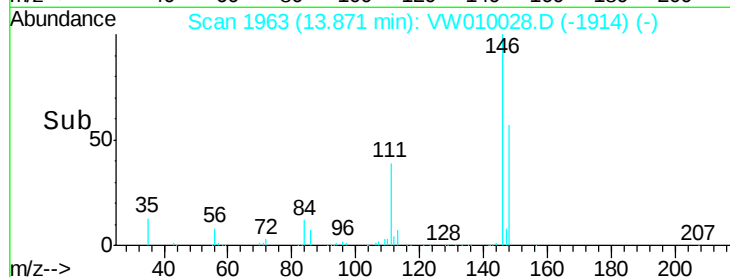
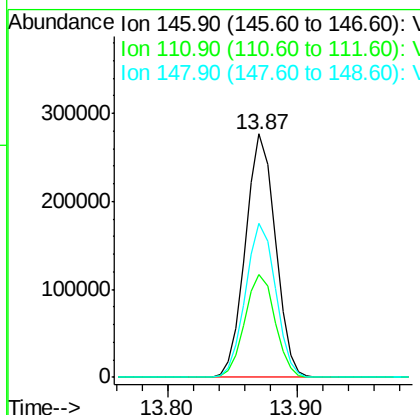
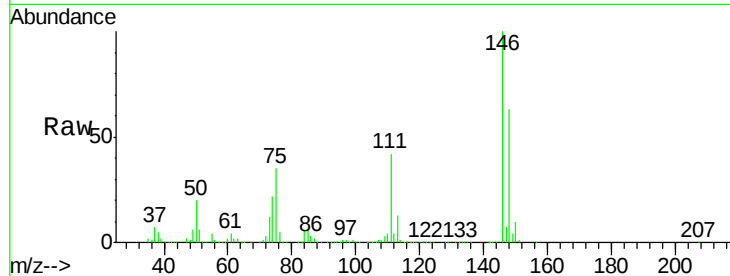
#91
 1,2-Dichlorobenzene
 Concen: 50.638 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	63.6	31.9	95.7

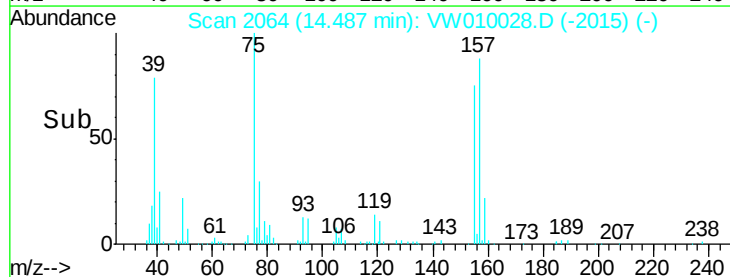
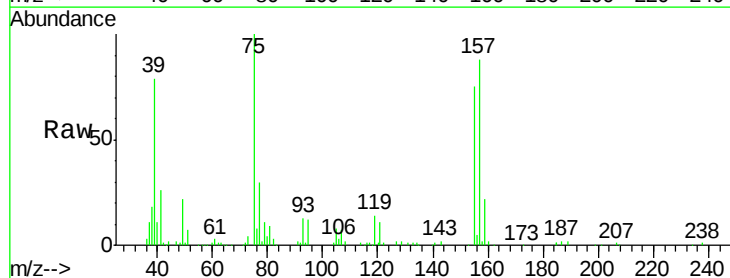
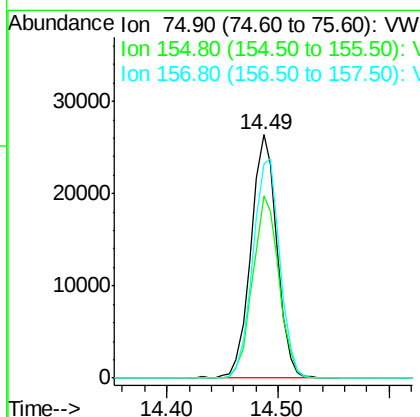
Manual Integrations
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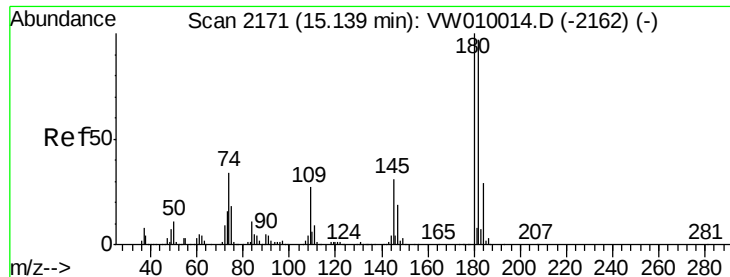
MMDadoda
 4/18/2019 11:39:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.834 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	37.1	111.5
157	93.1	47.3	141.9





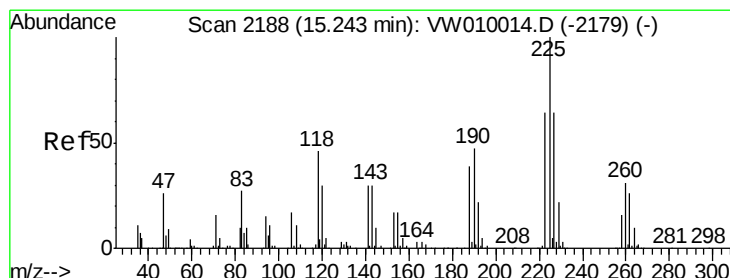
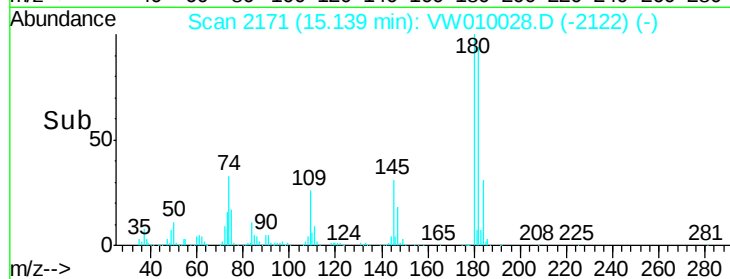
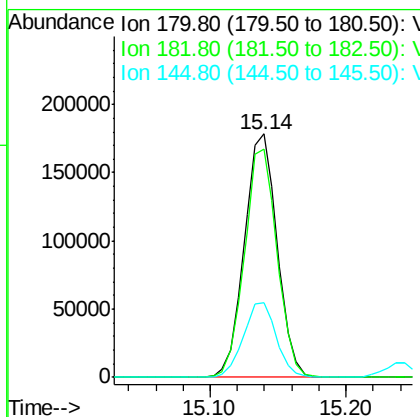
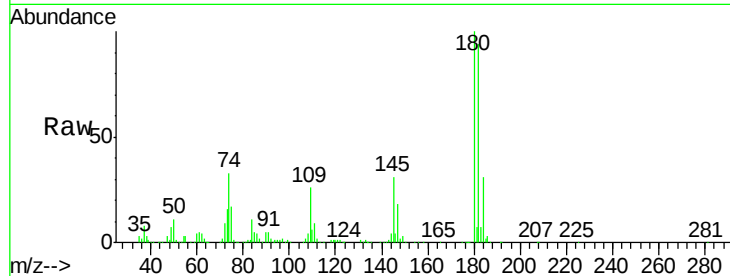
#93
 1,2,4-Trichlorobenzene
 Concen: 51.984 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.1	141.4	
145	31.0	15.2	45.6	

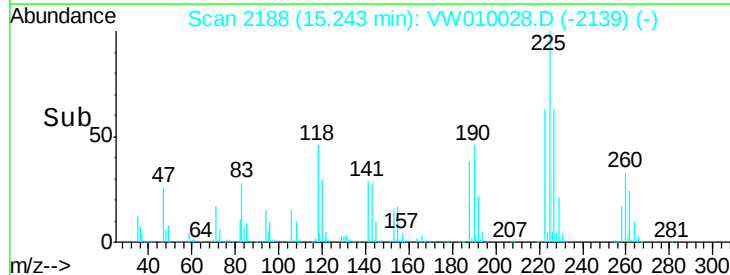
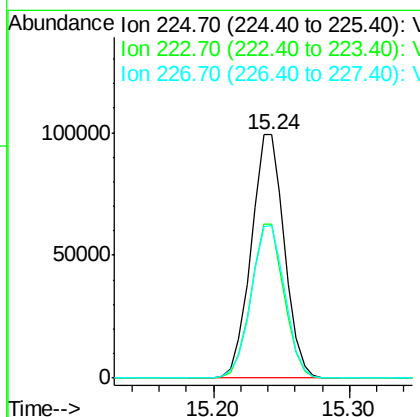
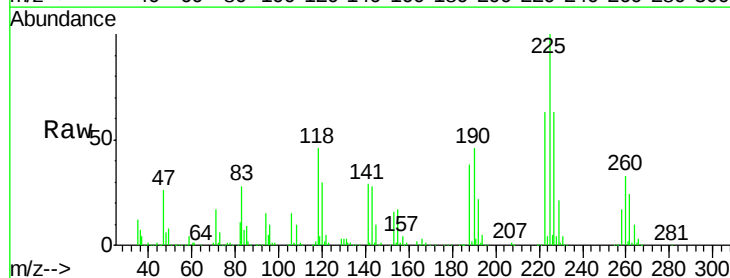
Manual Integrations
 APPROVED

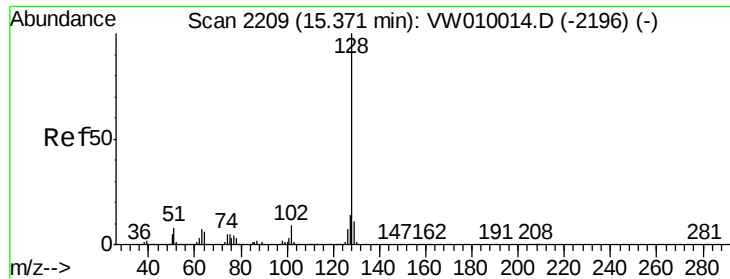
MMDadoda
 4/18/2019 11:39:36 AM



#94
 Hexachlorobutadiene
 Concen: 48.415 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010028.D
 Acq: 17 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.9	95.5	
227	63.9	31.8	95.3	





#95

Naphthalene

Concen: 54.833 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Instrument :

MSVOA_W

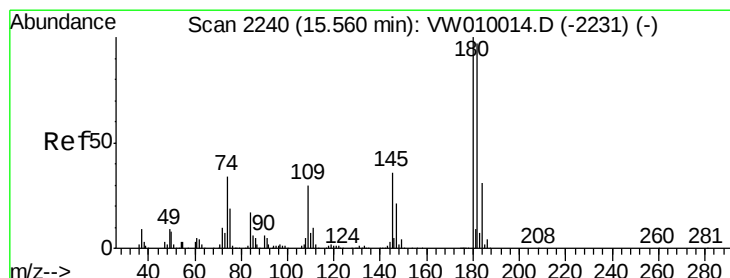
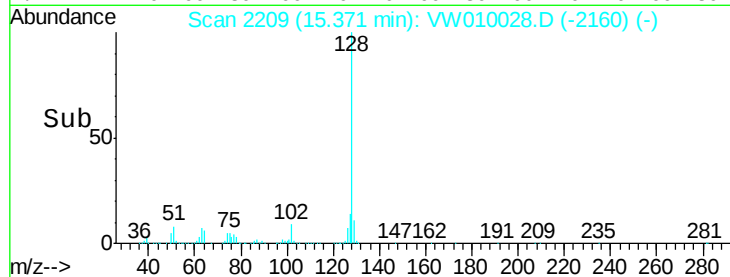
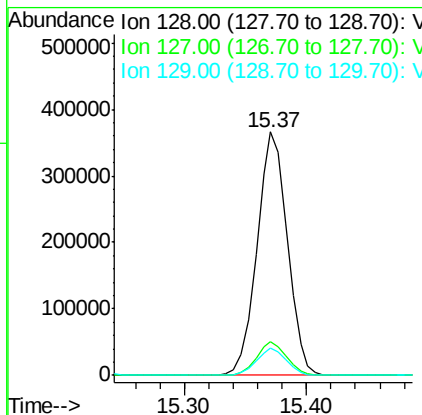
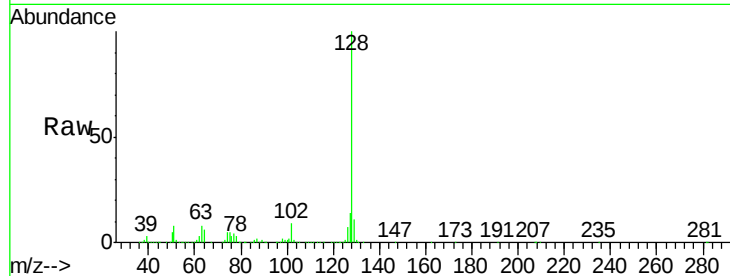
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	631953
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.979 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010028.D

Acq: 17 Apr 2019 21:13

Tgt Ion:	180	Resp:	270529
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.3
145	33.1	16.4	49.2

