

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\
 Data File : VW010374.D
 Acq On : 10 May 2019 23:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 12:12:38 PM

Quant Time: May 11 00:36:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1190672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2001364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1901800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	958760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	775765	61.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.56%	
35) Dibromofluoromethane	7.88	113	649161	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
50) Toluene-d8	10.32	98	2582879	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	953033	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	392789	43.062	ug/l	98
3) Chloromethane	2.21	50	557088	45.707	ug/l	97
4) Vinyl Chloride	2.37	62	677316	44.715	ug/l	99
5) Bromomethane	2.77	94	408950	46.818	ug/l	99
6) Chloroethane	2.92	64	415081	47.384	ug/l	95
7) Trichlorofluoromethane	3.25	101	267826	35.320	ug/l	97
8) Diethyl Ether	3.67	74	360313	54.051	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	574588	46.244	ug/l	96
10) Methyl Iodide	4.27	142	847015	48.138	ug/l	96
11) Tert butyl alcohol	5.17	59	235615	263.565	ug/l	100
12) 1,1-Dichloroethene	4.04	96	596671	45.956	ug/l	92
13) Acrolein	3.89	56	307170	260.257	ug/l	95
14) Allyl chloride	4.66	41	850679	43.893	ug/l	91
15) Acrylonitrile	5.37	53	927469	251.016	ug/l	98
16) Acetone	4.12	43	768773	232.964	ug/l	97
17) Carbon Disulfide	4.38	76	1708727	43.515	ug/l	100
18) Methyl Acetate	4.67	43	439504	53.770	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	864007	55.901	ug/l	98
20) Methylene Chloride	4.92	84	698246	50.730	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	677845	48.502	ug/l	97
22) Diisopropyl ether	6.31	45	2184832	58.087	ug/l	93
23) Vinyl Acetate	6.25	43	7306228	282.889	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1321624	52.189	ug/l	99
25) 2-Butanone	7.17	43	1362086	269.811	ug/l	96
26) 2,2-Dichloropropane	7.17	77	520072	41.277	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	766477	53.329	ug/l	95
28) Bromochloromethane	7.51	49	525384	56.273	ug/l	97
29) Tetrahydrofuran	7.53	42	915711	280.440	ug/l	96
30) Chloroform	7.67	83	1283543	54.159	ug/l	97
31) Cyclohexane	7.95	56	1149477	44.332	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	875869	47.712	ug/l	99
36) 1,1-Dichloropropene	8.08	75	986700	45.470	ug/l	100
37) Ethyl Acetate	7.25	43	612316	52.996	ug/l	98
38) Carbon Tetrachloride	8.06	117	836522	44.970	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1186733	44.705	ug/l	97
40) Benzene	8.32	78	2933122	49.355	ug/l	100
41) Methacrylonitrile	7.48	41	349250	53.900	ug/l	96
42) 1,2-Dichloroethane	8.40	62	915310	53.807	ug/l	97
43) Isopropyl Acetate	8.43	43	1034457	53.985	ug/l	98
44) Trichloroethene	9.09	130	702241	47.200	ug/l	98
45) 1,2-Dichloropropane	9.37	63	784425	53.101	ug/l	99
46) Dibromomethane	9.46	93	404007	52.939	ug/l	99
47) Bromodichloromethane	9.64	83	974703	53.244	ug/l	99
48) Methyl methacrylate	9.44	41	510178	56.309	ug/l	90
49) 1,4-Dioxane	9.45	88	153727	1155.082	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3071370	279.530	ug/l	94
52) Toluene	10.38	92	1816608	50.011	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	978877	52.790	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1146958	52.229	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	586769	54.133	ug/l	97
56) Ethyl methacrylate	10.65	69	844068	58.969	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1064874	54.954	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1968264	287.203	ug/l	99
59) 2-Hexanone	10.97	43	2158681	277.871	ug/l	93
60) Dibromochloromethane	11.13	129	638759	54.764	ug/l	100
61) 1,2-Dibromoethane	11.23	107	557291	53.558	ug/l	97
64) Tetrachloroethene	10.86	164	674015	50.707	ug/l	98
65) Chlorobenzene	11.66	112	1876288	47.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	663905	49.895	ug/l	98
67) Ethyl Benzene	11.73	91	3474158	47.971	ug/l	99
68) m/p-Xylenes	11.84	106	2580020	95.882	ug/l	100
69) o-Xylene	12.16	106	1212633	49.818	ug/l	98
70) Styrene	12.18	104	2181695	51.439	ug/l	99
71) Bromoform	12.35	173	383906	50.472	ug/l #	98
73) Isopropylbenzene	12.46	105	3304690	47.288	ug/l	100
74) N-amyl acetate	12.27	43	982456	54.416	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	755333	49.054	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	532468m	47.634	ug/l	
77) Bromobenzene	12.75	156	772555	48.960	ug/l	97
78) n-propylbenzene	12.80	91	4049823	46.920	ug/l	100
79) 2-Chlorotoluene	12.90	91	2339685	47.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2857185	48.496	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	225767	45.611	ug/l	94
82) 4-Chlorotoluene	12.99	91	2456054	47.689	ug/l	99
83) tert-Butylbenzene	13.21	119	2318782	47.186	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	2886271	49.300	ug/l	100
85) sec-Butylbenzene	13.38	105	3366477	46.406	ug/l	100
86) p-Isopropyltoluene	13.50	119	3062273	47.543	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1509826	47.917	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1491997	47.715	ug/l	99
89) n-Butylbenzene	13.83	91	2995917	46.388	ug/l	98
90) Hexachloroethane	14.10	117	545883	45.694	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1361067	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	130666	47.124	ug/l	95

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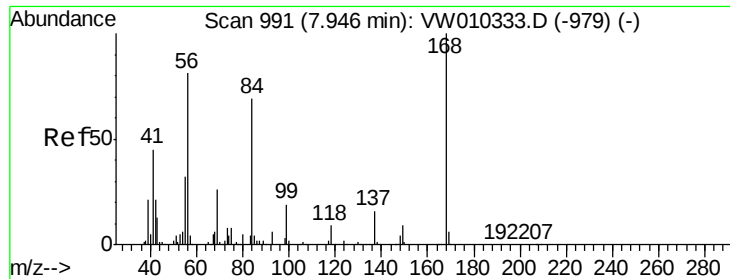
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	938382	49.295	ug/l	99
94) Hexachlorobutadiene	15.24	225	550042	45.072	ug/l	99
95) Naphthalene	15.37	128	2070019	47.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	875369	50.902	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1190672

Ion Ratio Lower Upper

168 100

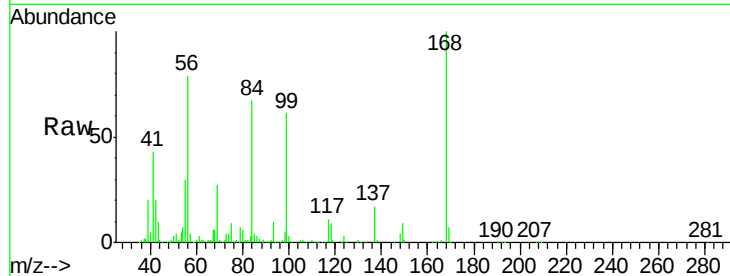
99 61.0 48.4 72.6

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

600000

500000

400000

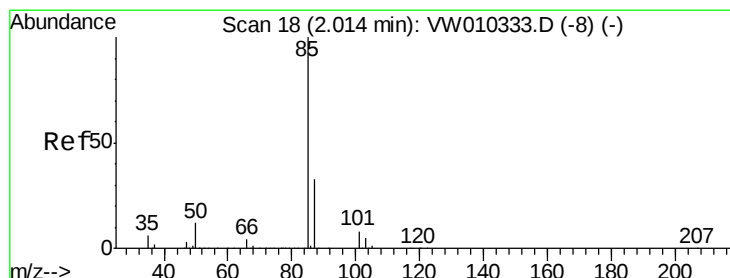
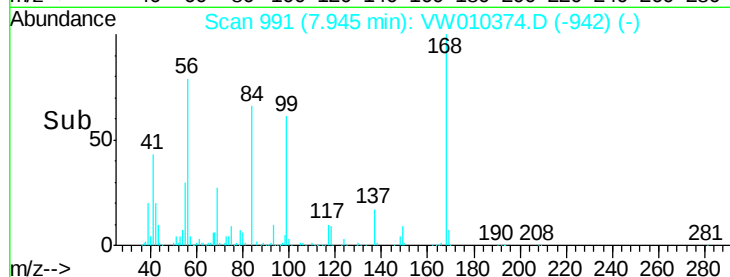
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 43.062 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010374.D

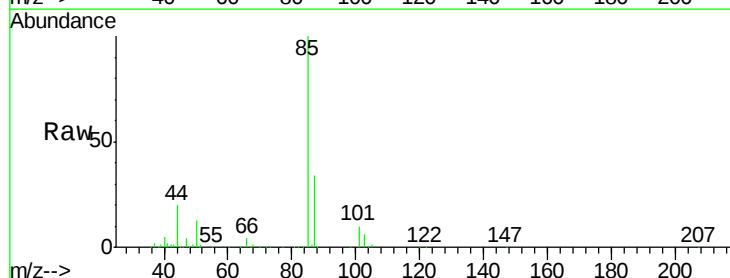
Acq: 10 May 2019 23:43

Tgt Ion: 85 Resp: 392789

Ion Ratio Lower Upper

85 100

87 33.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

120000

100000

80000

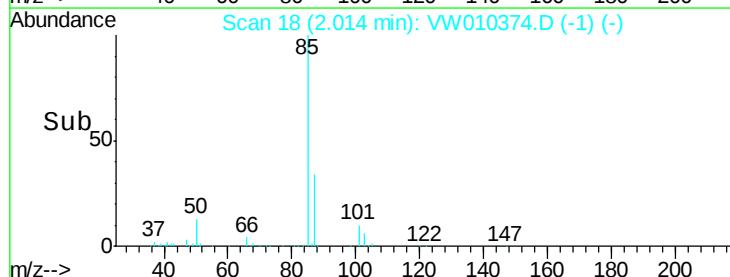
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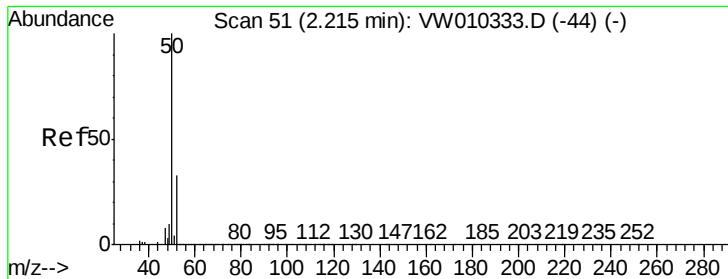
40000

20000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 45.707 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 557088

Ion Ratio Lower Upper

50 100

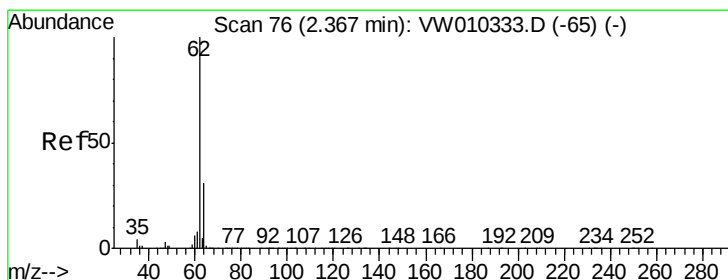
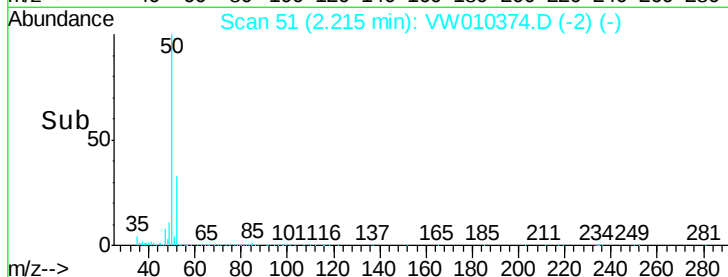
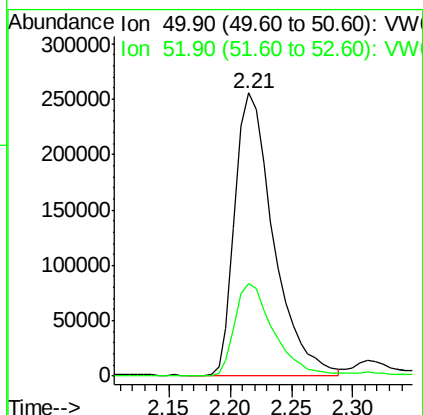
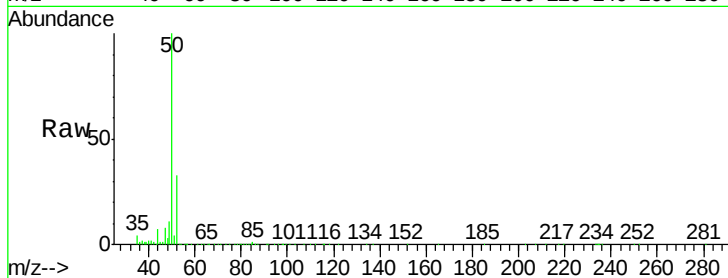
52 32.9 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.715 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010374.D

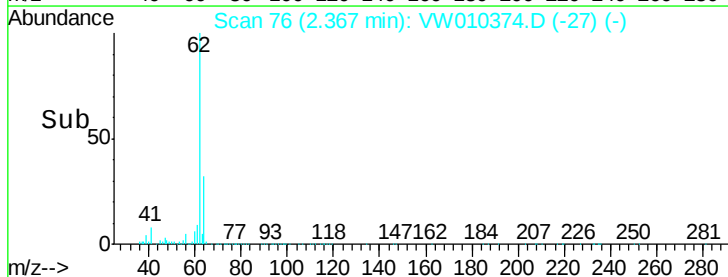
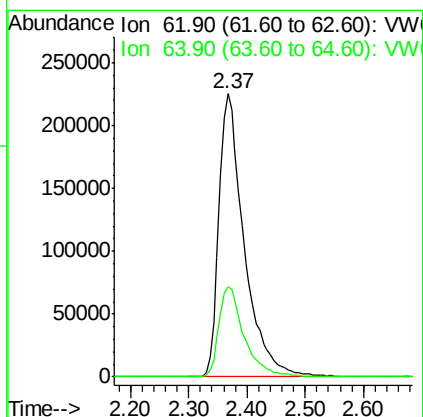
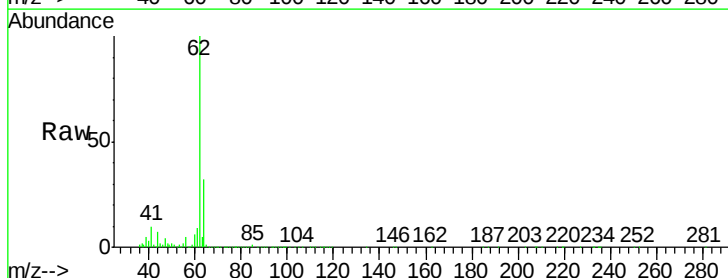
Acq: 10 May 2019 23:43

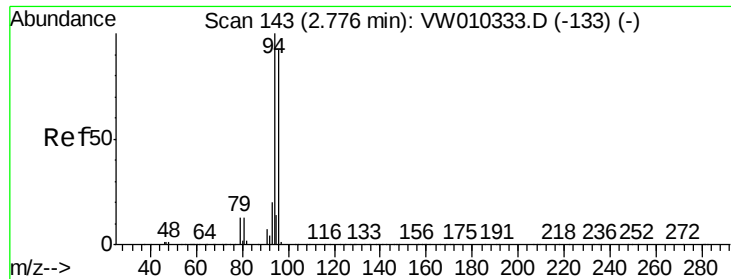
Tgt Ion: 62 Resp: 677316

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 46.818 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 408950

Ion Ratio Lower Upper

94 100

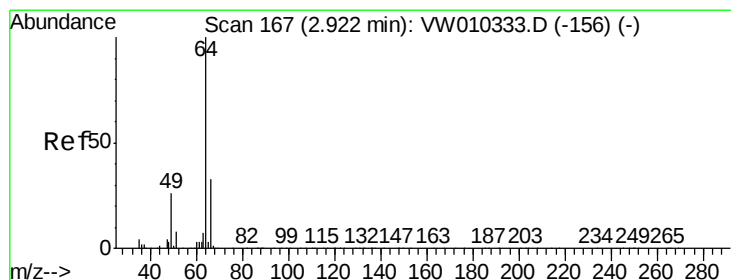
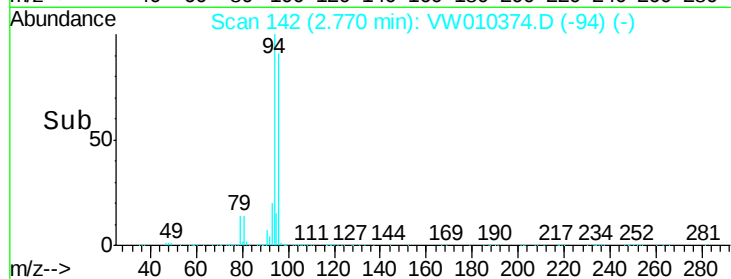
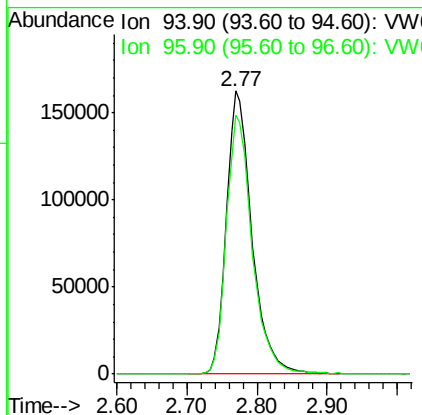
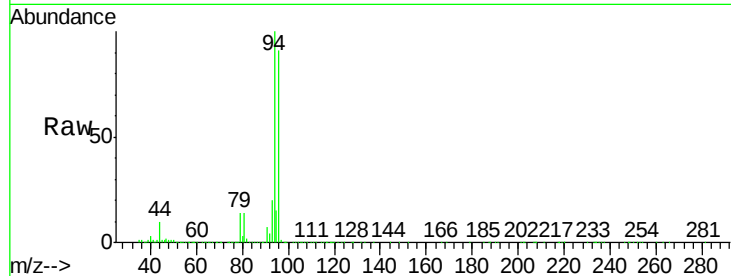
96 91.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 47.384 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010374.D

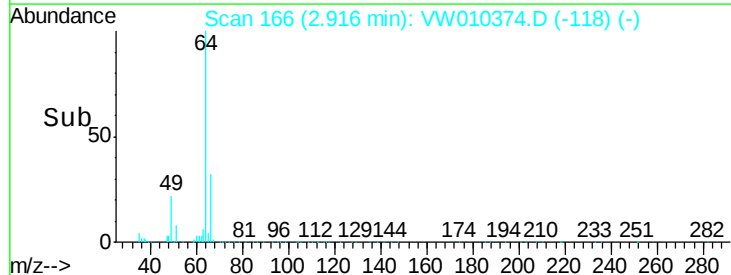
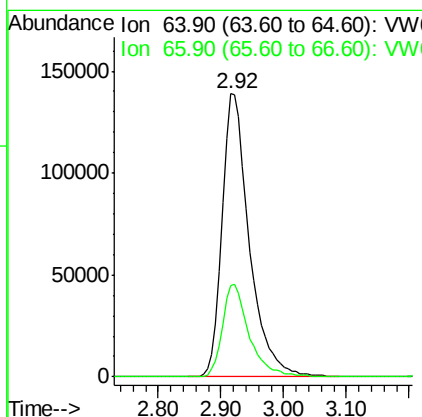
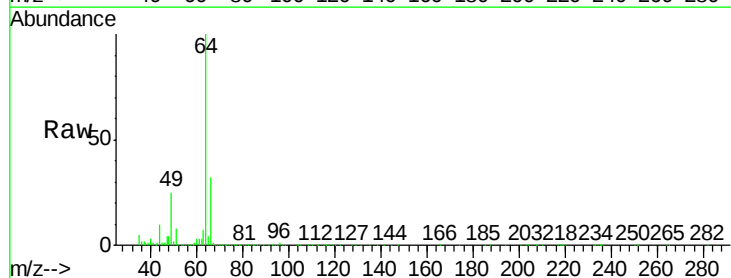
Acq: 10 May 2019 23:43

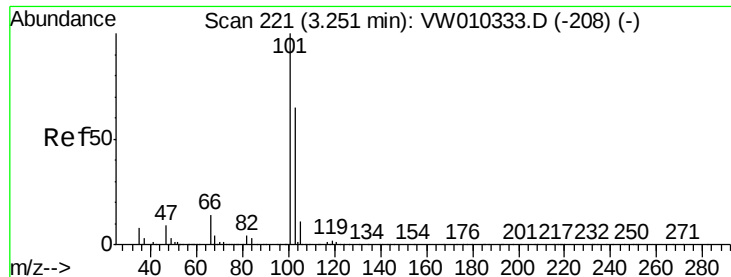
Tgt Ion: 64 Resp: 415081

Ion Ratio Lower Upper

64 100

66 32.0 23.4 35.0





#7

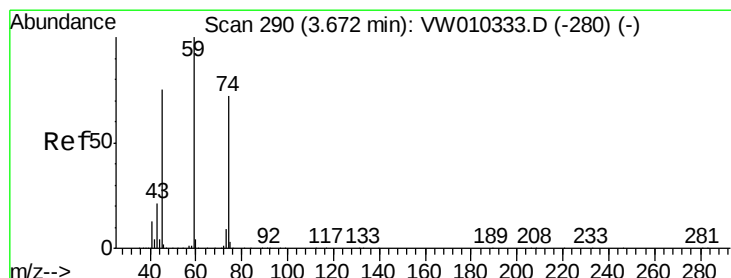
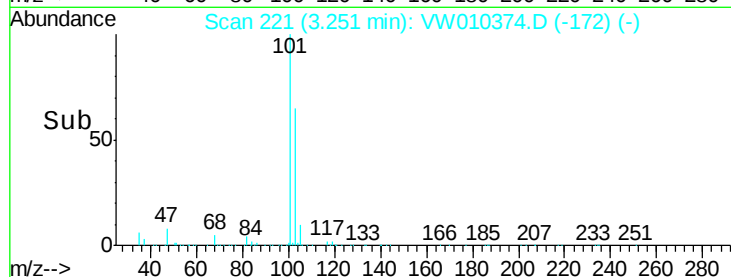
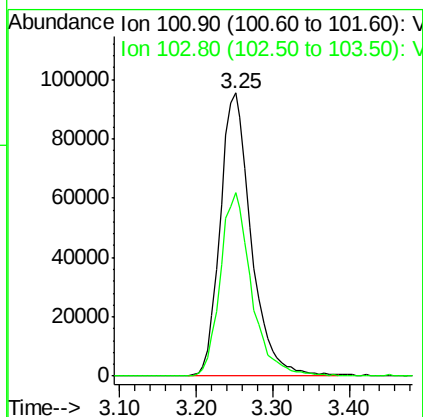
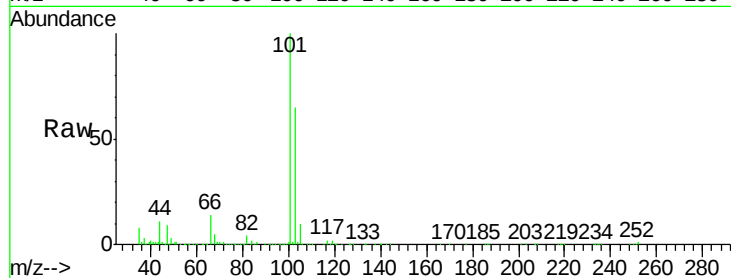
Trichlorofluoromethane
Concen: 35.320 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	267826		
103	64.8	49.8	74.6	

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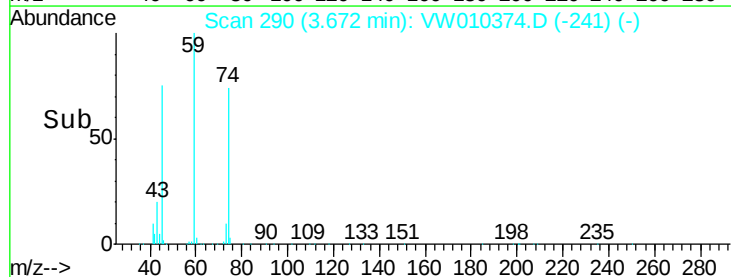
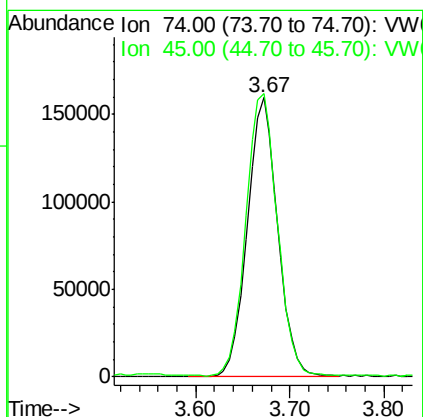
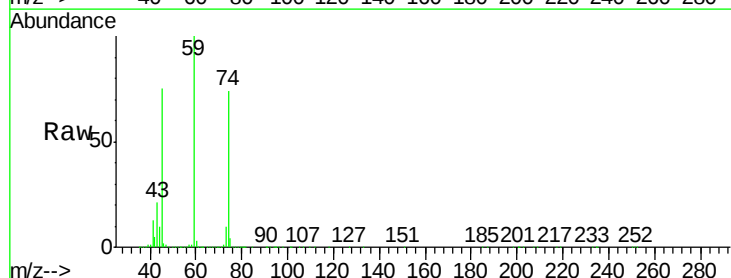
MMDadoda
5/11/2019 12:12:38 PM

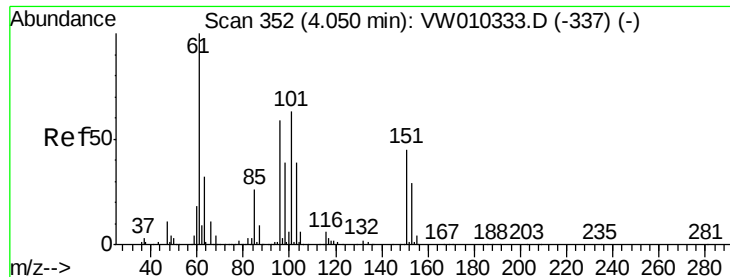


#8

Diethyl Ether
Concen: 54.051 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	360313		
45	105.0	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.244 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

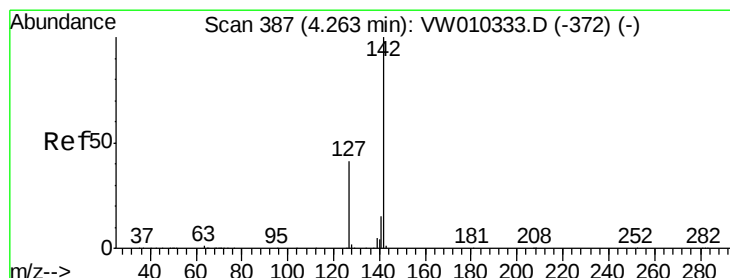
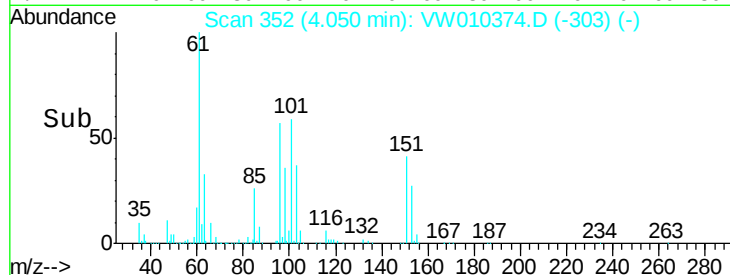
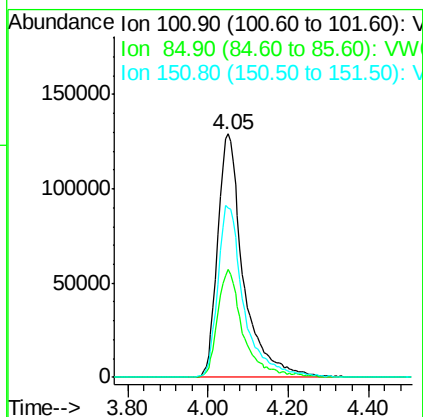
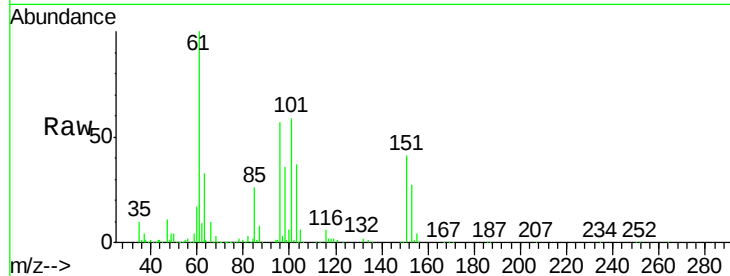
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	574588
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.3	54.5
151	71.1	60.2	90.2

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#10

Methyl Iodide

Concen: 48.138 ug/l

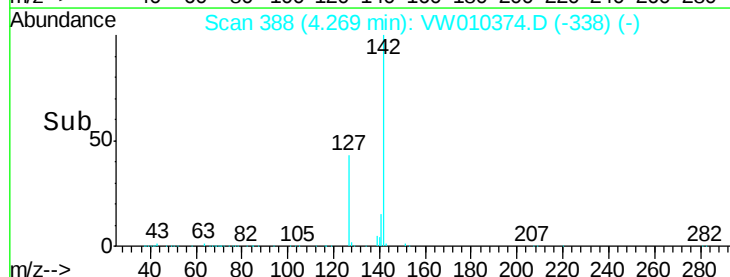
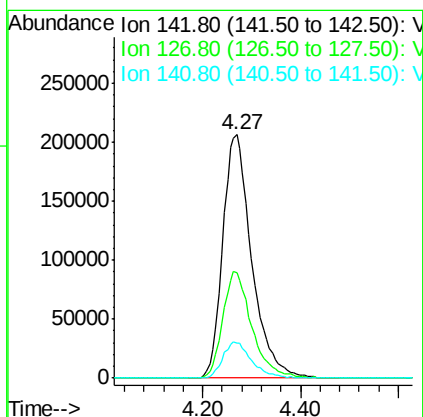
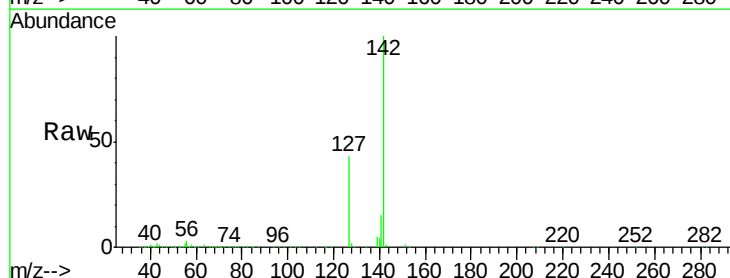
RT: 4.27 min Scan# 388

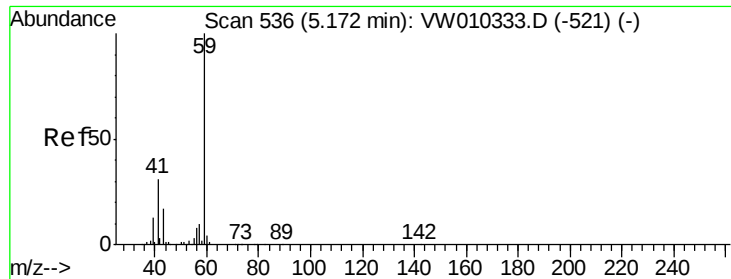
Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	142	Resp:	847015
Ion Ratio	Lower	Upper	
142	100		
127	43.9	38.1	57.1
141	14.8	12.2	18.2





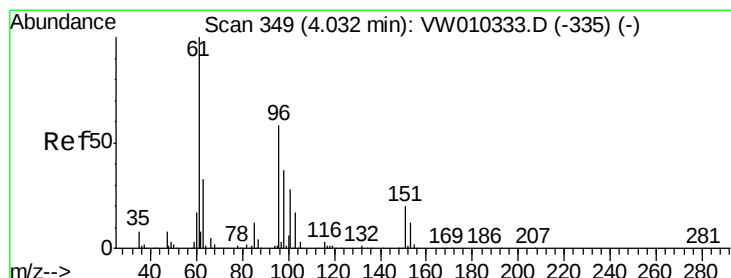
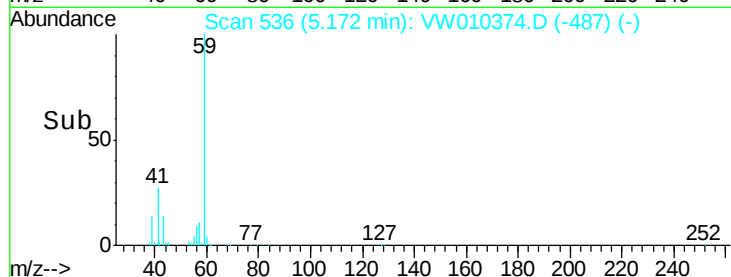
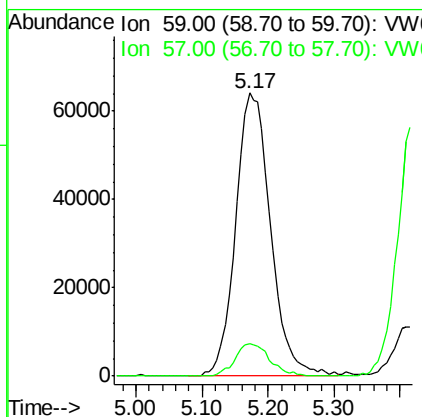
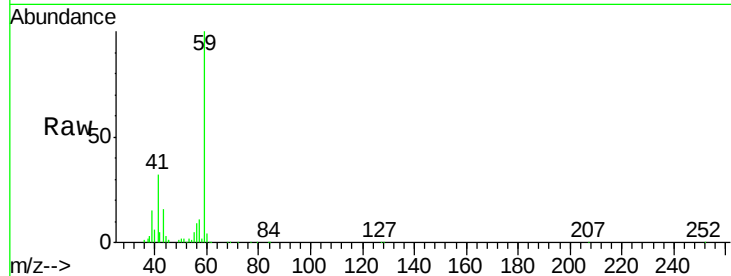
#11
Tert butyl alcohol
Concen: 263.565 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

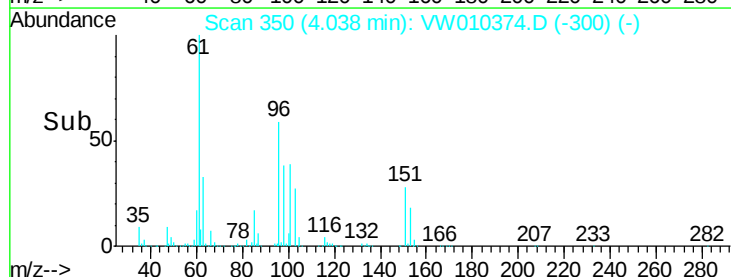
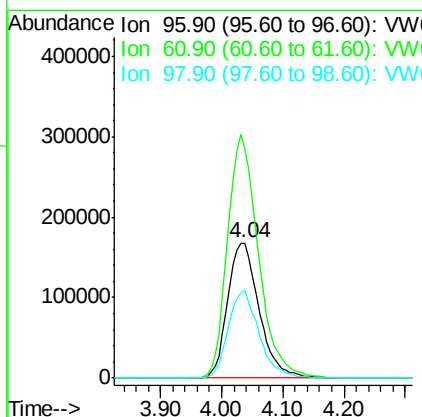
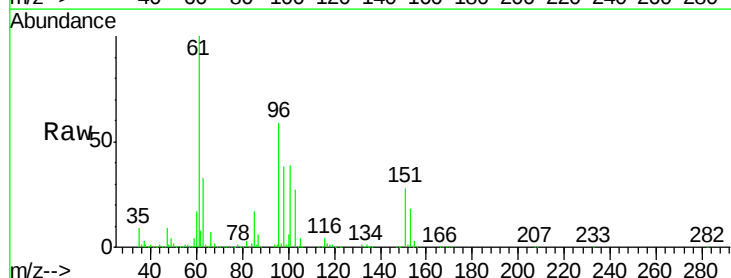
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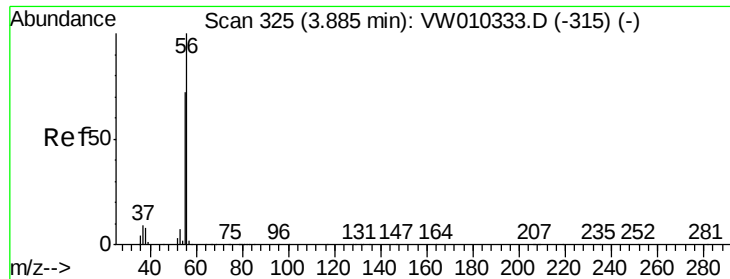
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.956 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	147.4	221.2
98	64.5	49.7	74.5





#13

Acrolein

Concen: 260.257 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 307170

Ion Ratio Lower Upper

56 100

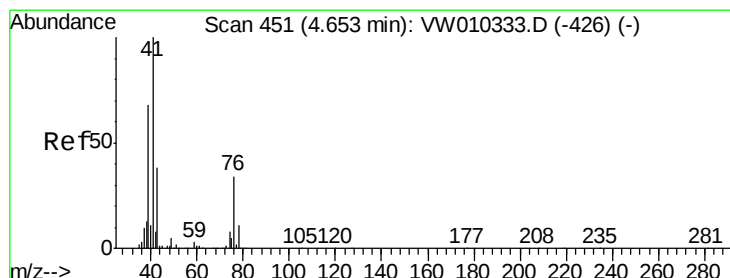
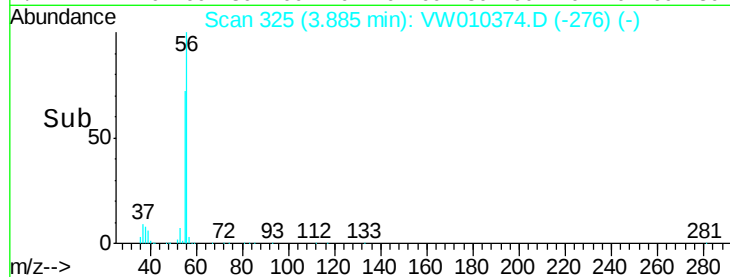
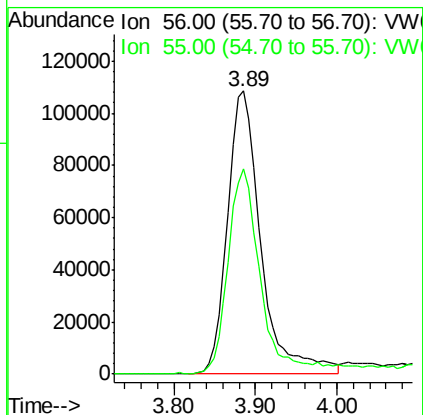
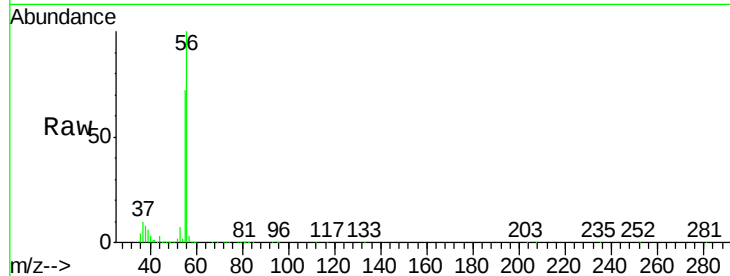
55 71.4 54.2 81.2

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#14

Allyl chloride

Concen: 43.893 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

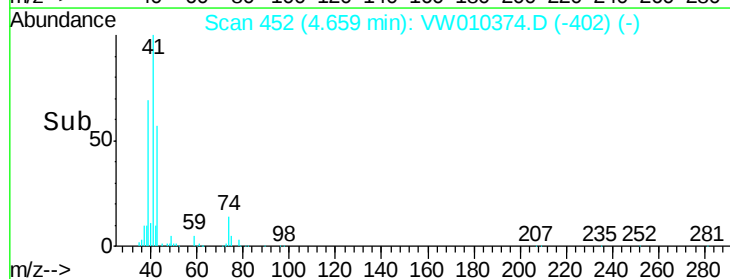
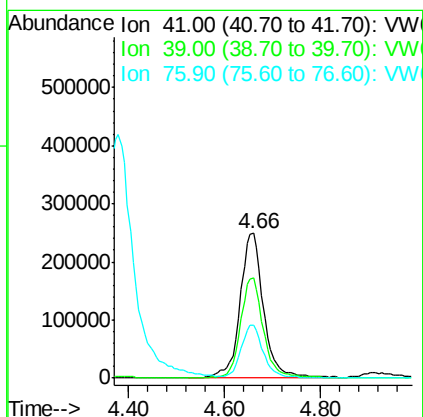
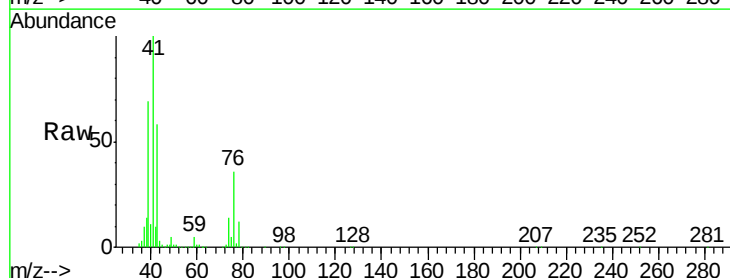
Tgt Ion: 41 Resp: 850679

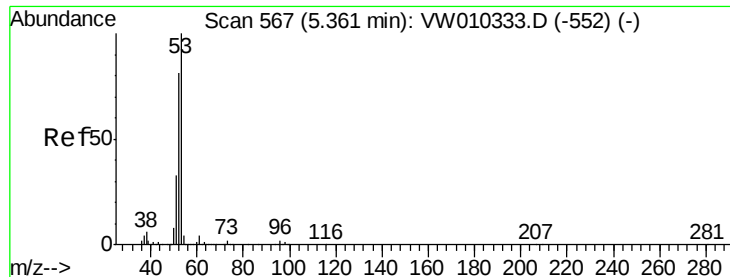
Ion Ratio Lower Upper

41 100

39 66.4 60.2 90.4

76 33.9 25.0 37.6





#15

Acrylonitrile

Concen: 251.016 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

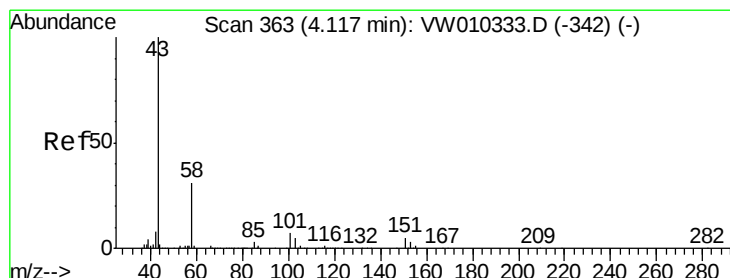
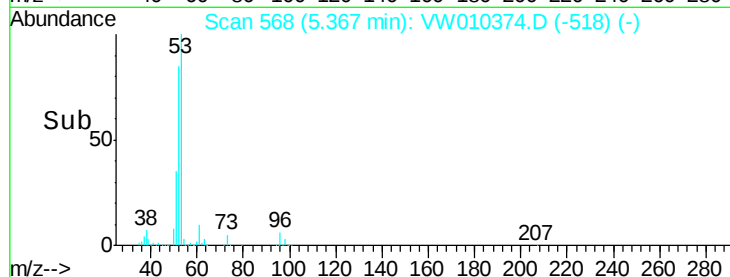
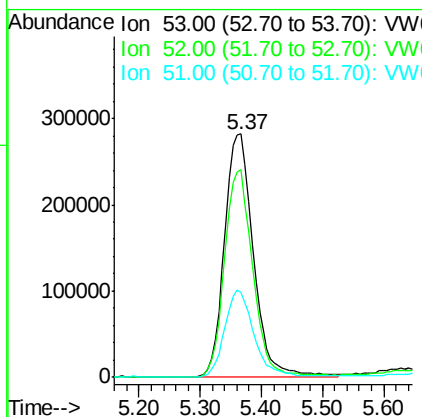
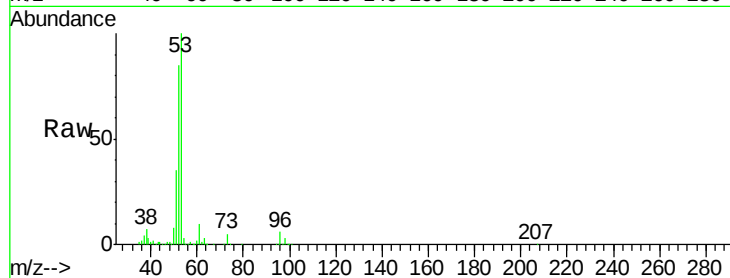
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	927469
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	36.1	30.3	45.5

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#16

Acetone

Concen: 232.964 ug/l

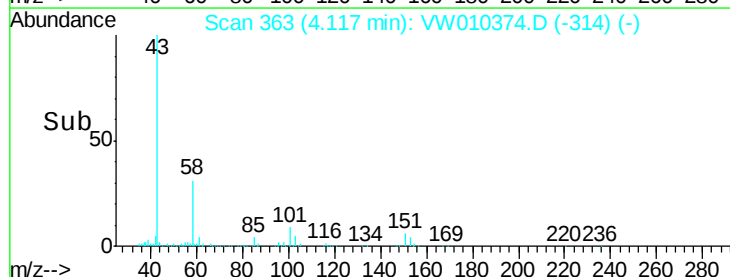
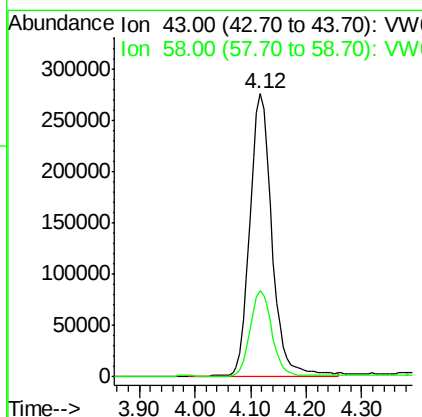
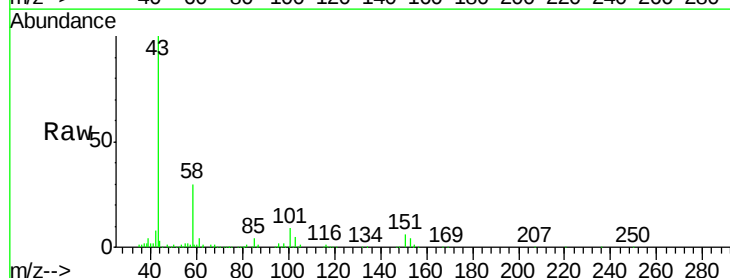
RT: 4.12 min Scan# 363

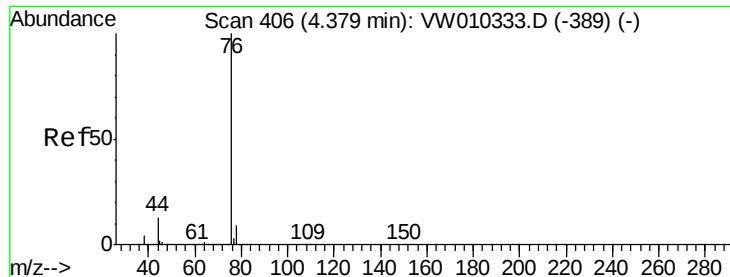
Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	43	Resp:	768773
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.7	34.1





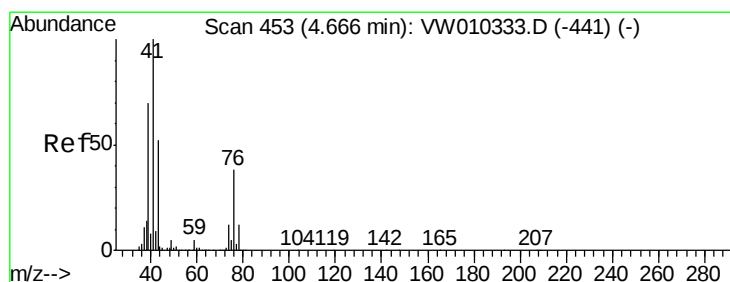
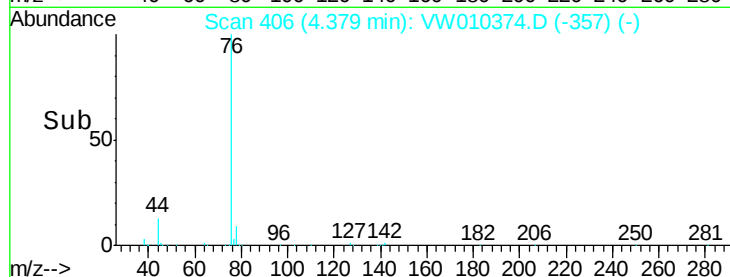
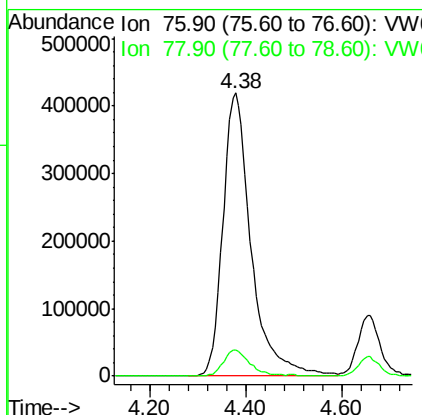
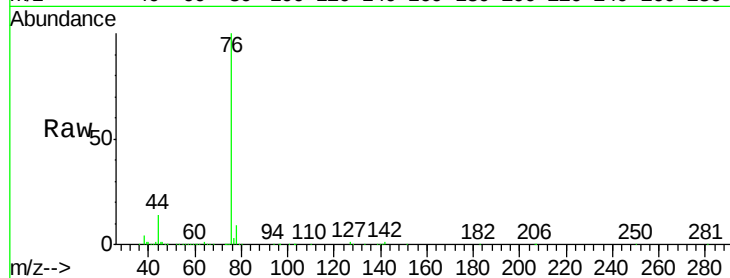
#17
Carbon Disulfide
Concen: 43.515 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1708727
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

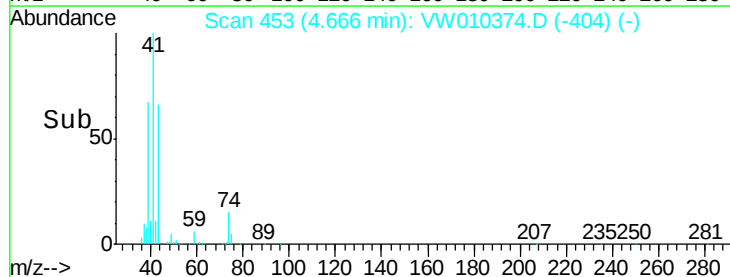
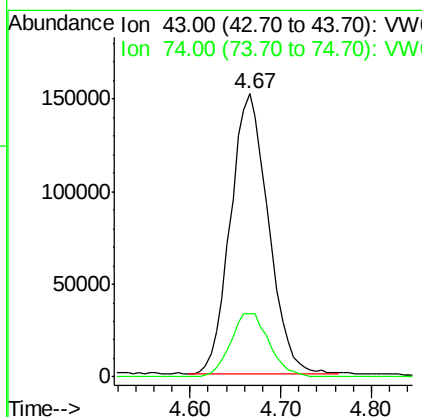
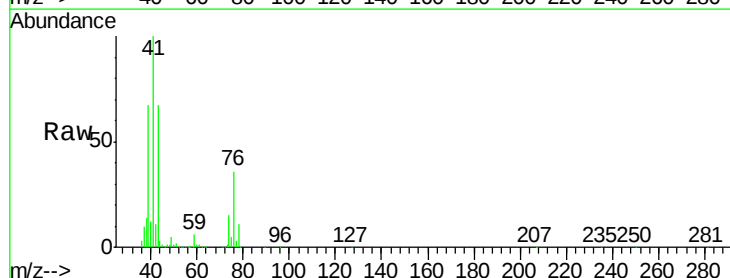
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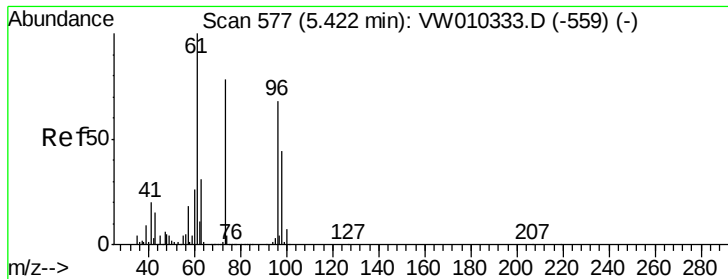
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#18
Methyl Acetate
Concen: 53.770 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 43 Resp: 439504
Ion Ratio Lower Upper
43 100
74 23.4 16.8 25.2





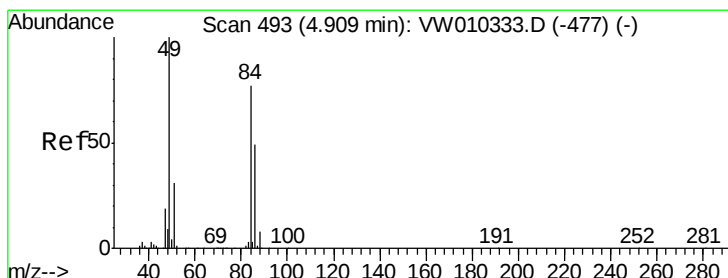
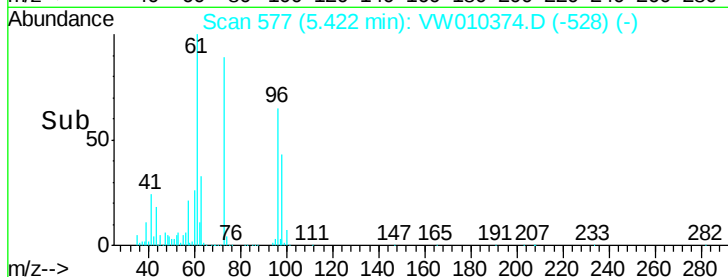
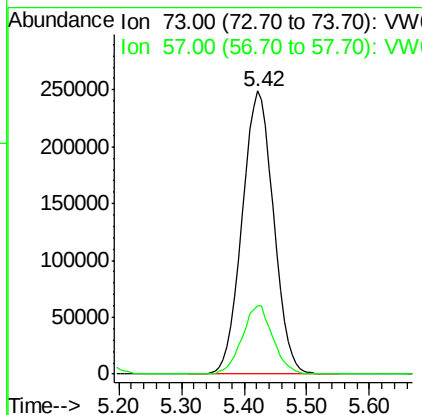
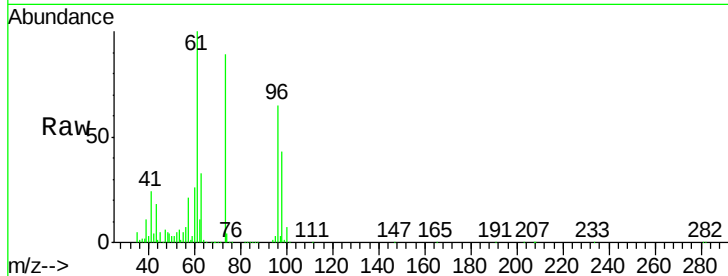
#19
Methvl tert-butvl Ether
Concen: 55.901 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 864007
Ion Ratio Lower Upper
73 100
57 24.0 18.5 27.7

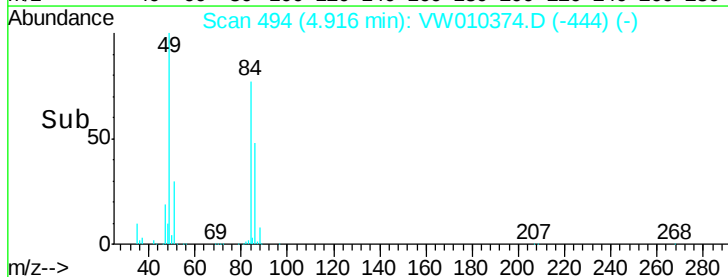
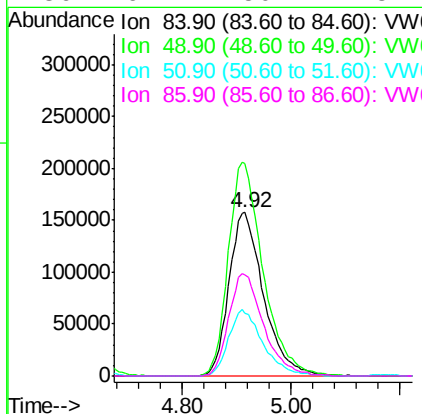
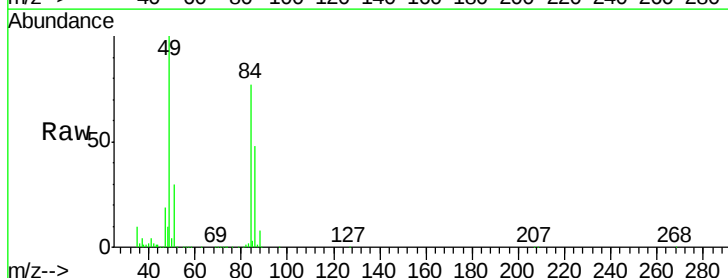
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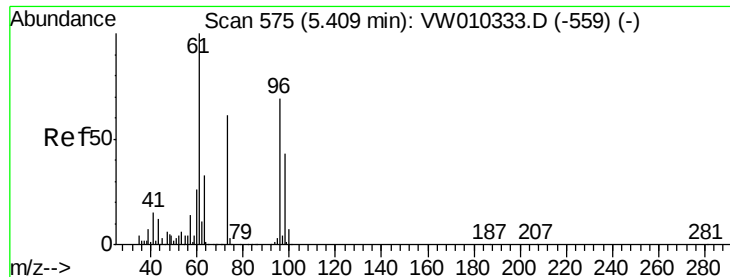
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#20
Methylene Chloride
Concen: 50.730 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 84 Resp: 698246
Ion Ratio Lower Upper
84 100
49 129.8 112.3 168.5
51 38.2 33.9 50.9
86 62.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.502 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

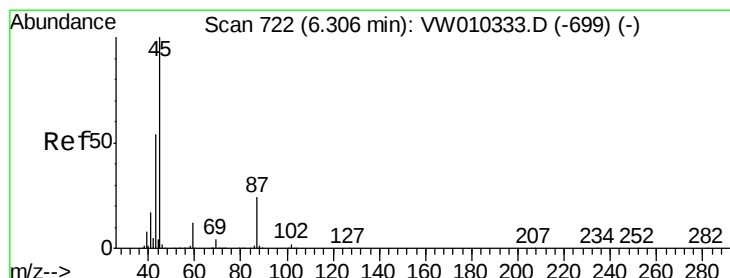
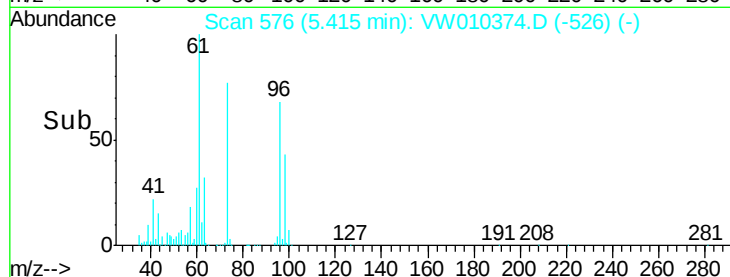
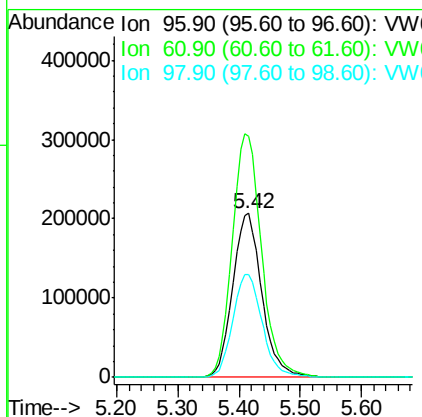
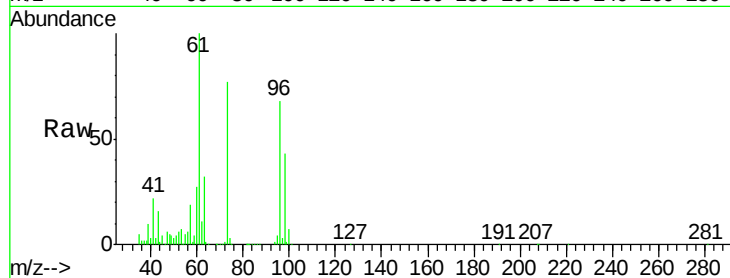
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	677845
Ion Ratio	Lower	Upper	
96	100		
61	147.2	122.3	183.5
98	62.8	50.5	75.7

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#22

Diisopropyl ether

Concen: 58.087 ug/l

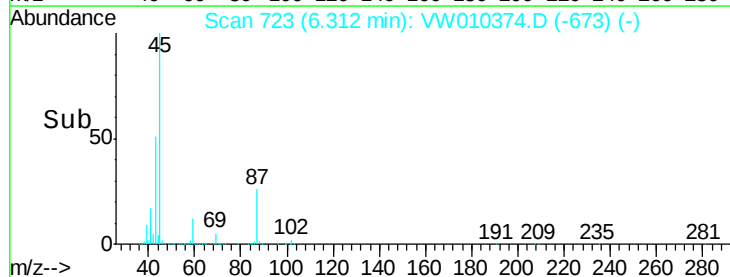
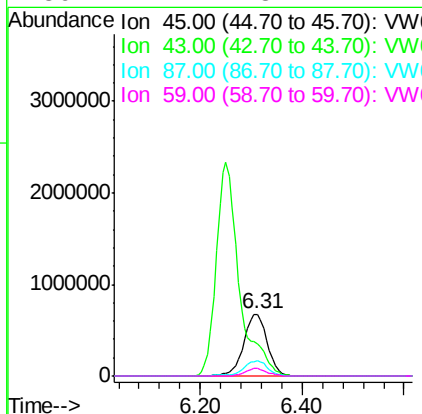
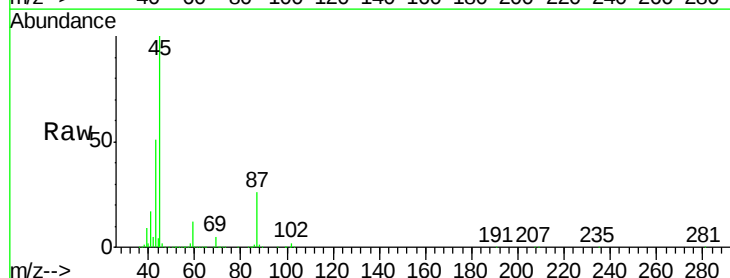
RT: 6.31 min Scan# 723

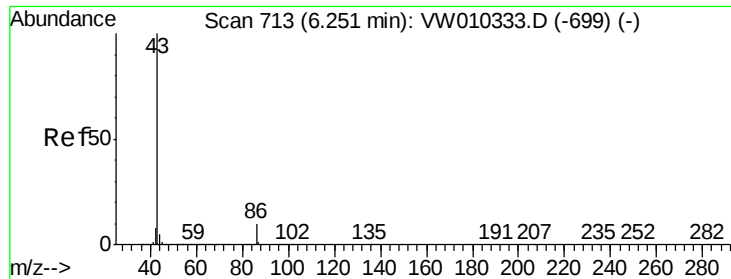
Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	45	Resp:	2184832
Ion Ratio	Lower	Upper	
45	100		
43	51.0	46.1	69.1
87	25.5	18.3	27.5
59	11.7	8.2	12.4





#23

Vinyl Acetate

Concen: 282.889 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tot Ion: 43 Resp: 7306228

Ion Ratio Lower Upper

43 100

86 10.1 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

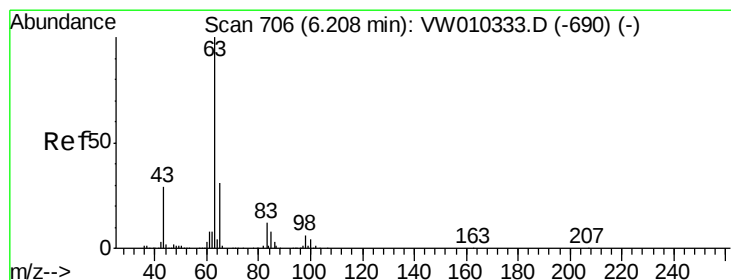
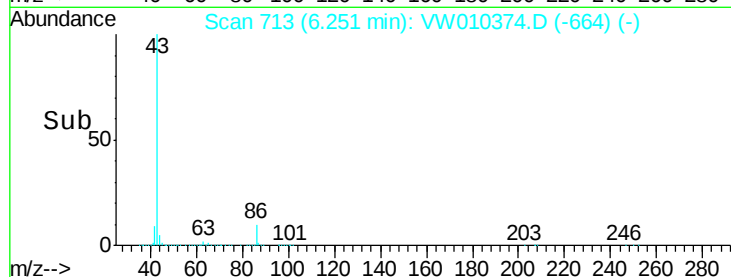
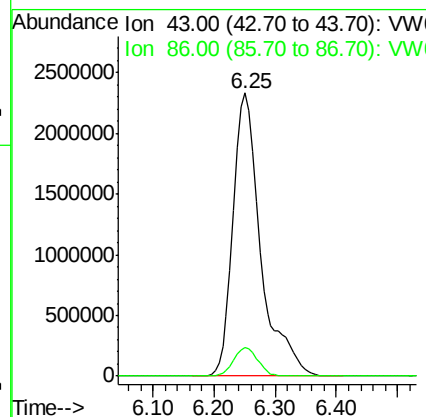
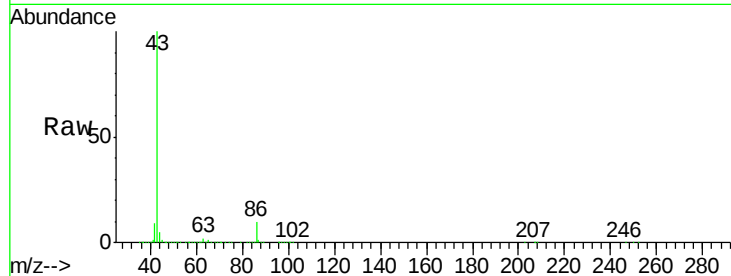
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 52.189 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

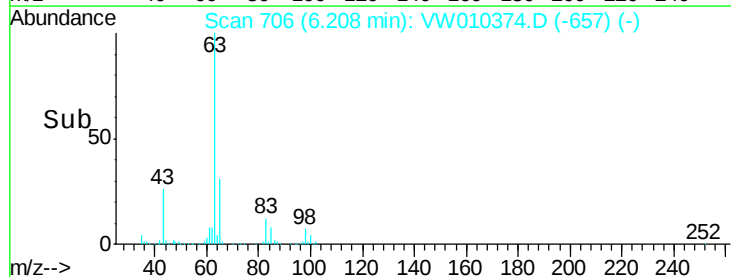
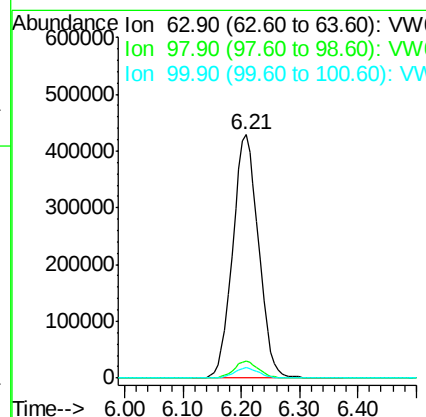
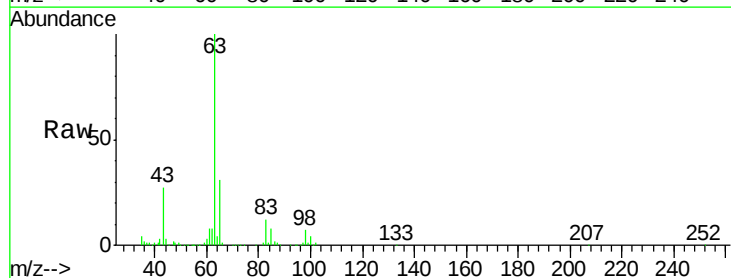
Tgt Ion: 63 Resp: 1321624

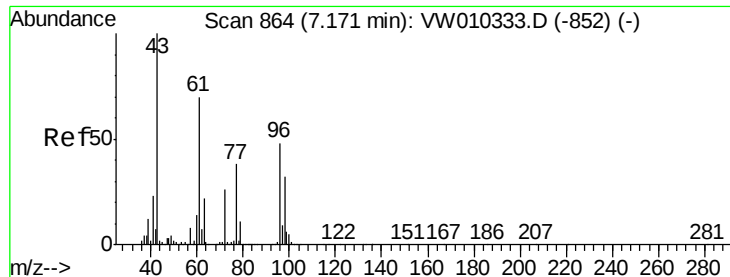
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 269.811 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1362086

Ion Ratio Lower Upper

43 100

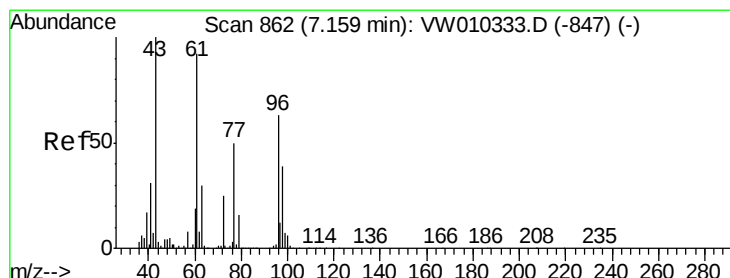
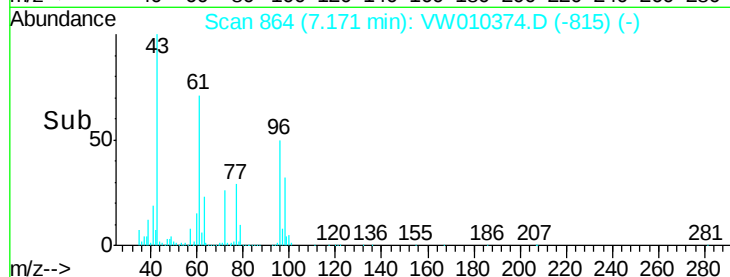
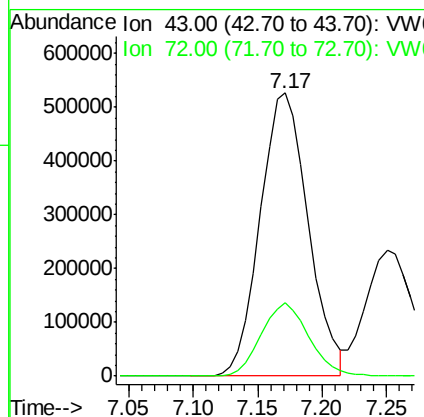
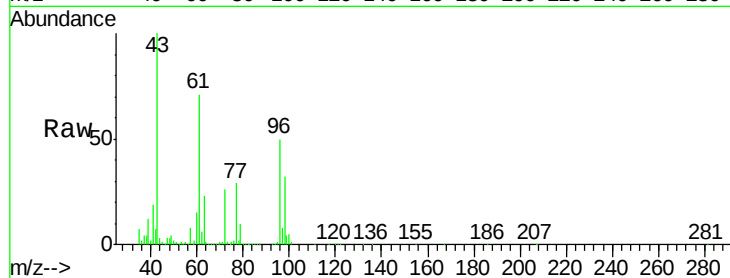
72 26.1 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.277 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010374.D

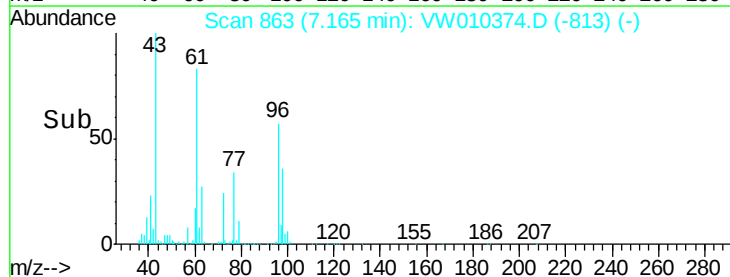
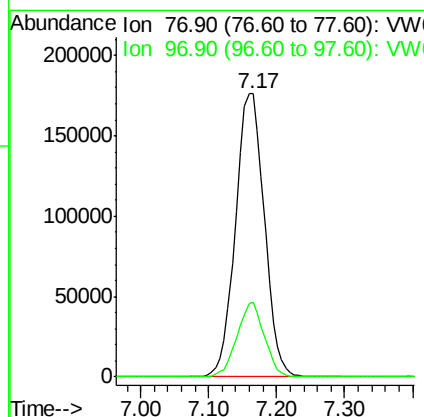
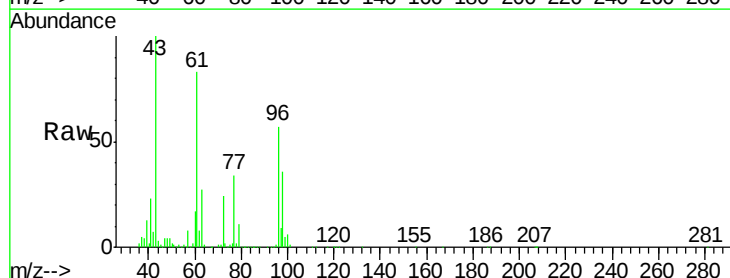
Acq: 10 May 2019 23:43

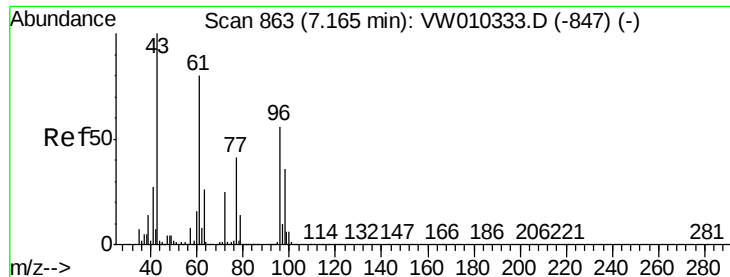
Tgt Ion: 77 Resp: 520072

Ion Ratio Lower Upper

77 100

97 24.8 11.3 33.9





#27

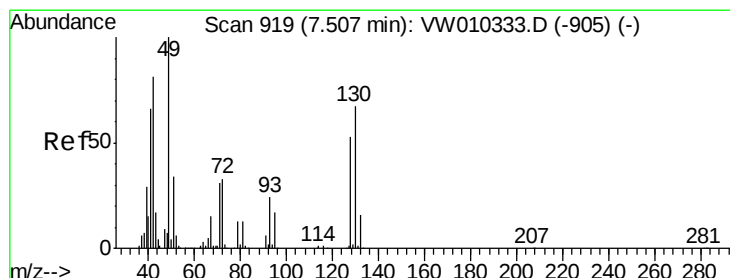
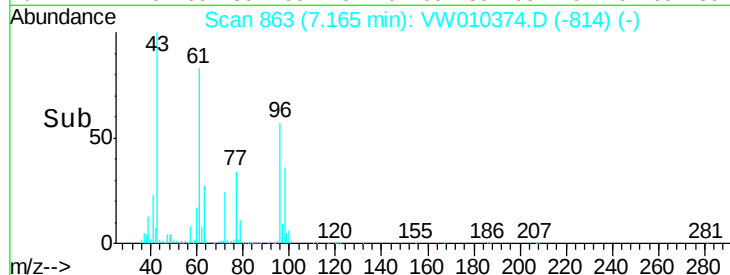
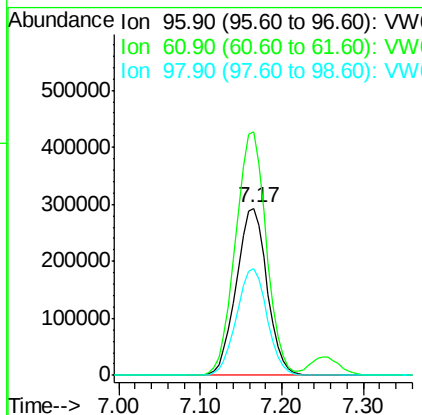
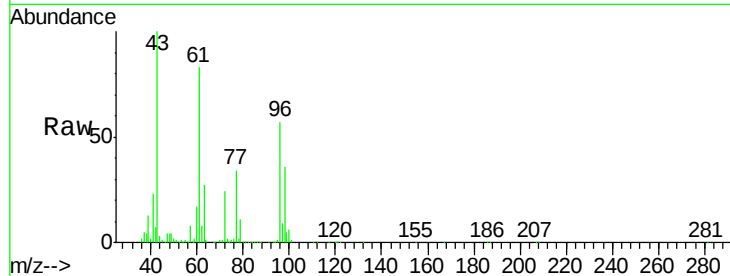
cis-1,2-Dichloroethene
Concen: 53.329 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	766477		
61	145.8	0.0	309.4	
98	63.6	0.0	128.6	

Manual Integrations
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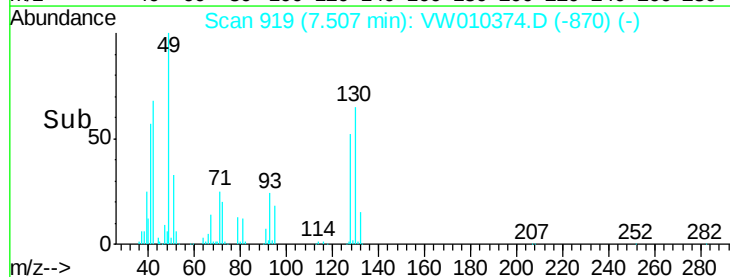
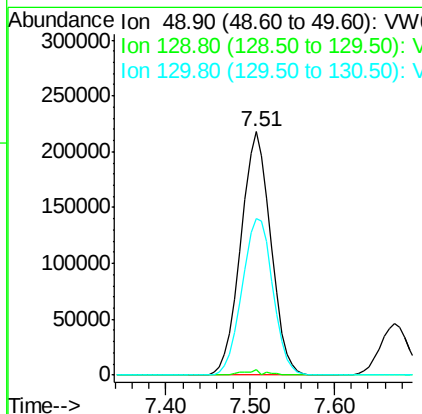
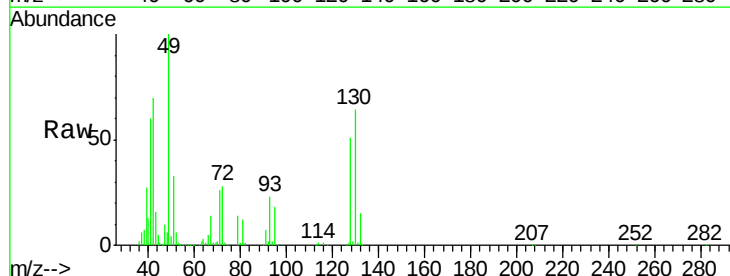
MMDadoda
5/11/2019 12:12:38 PM

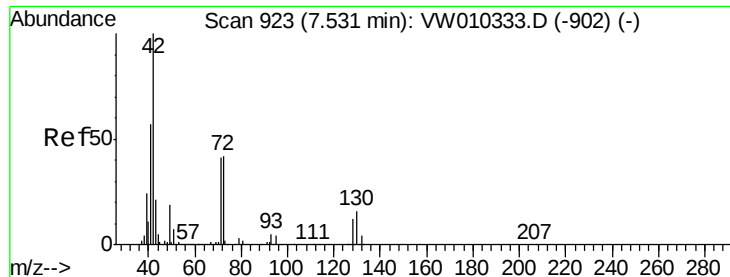


#28

Bromochloromethane
Concen: 56.273 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	525384		
129	1.1	0.0	3.8	
130	66.1	54.6	82.0	





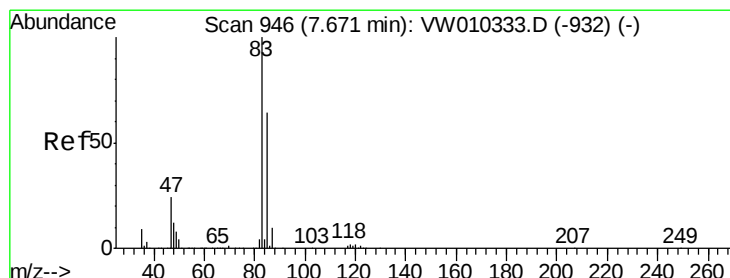
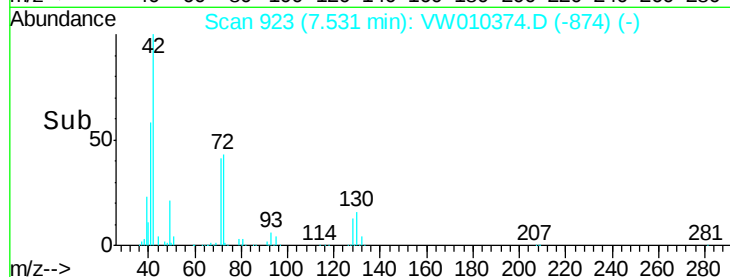
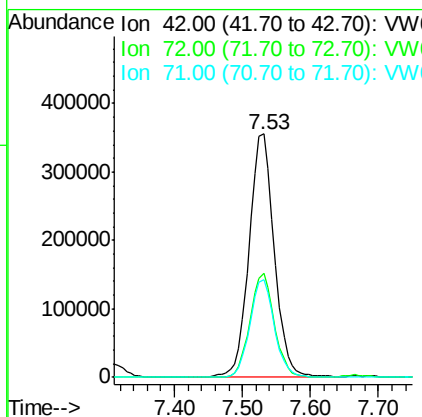
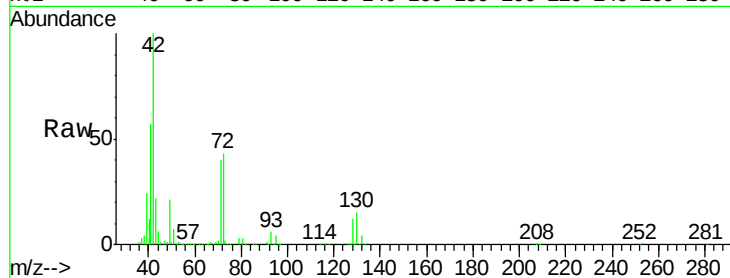
#29
Tetrahydrofuran
Concen: 280.440 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	31.0	46.6
71	39.1	29.7	44.5

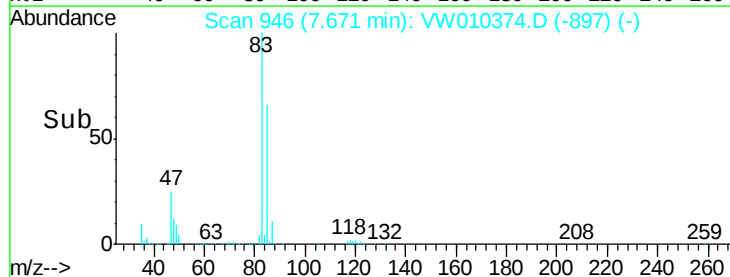
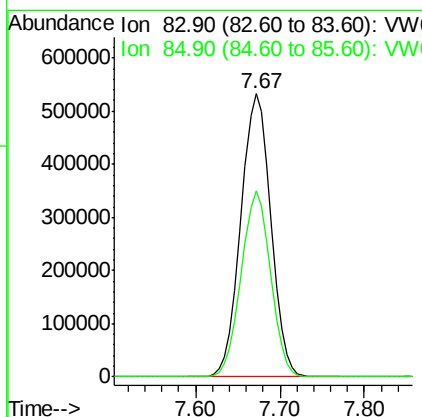
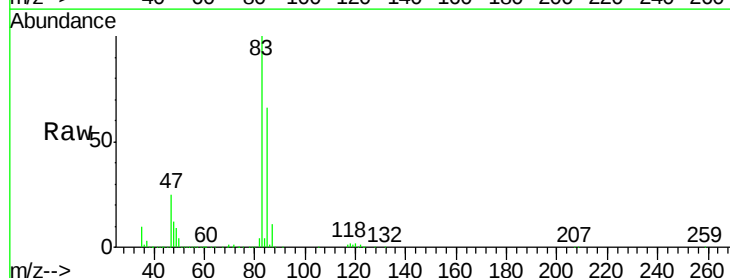
Manual Integrations
APPROVED

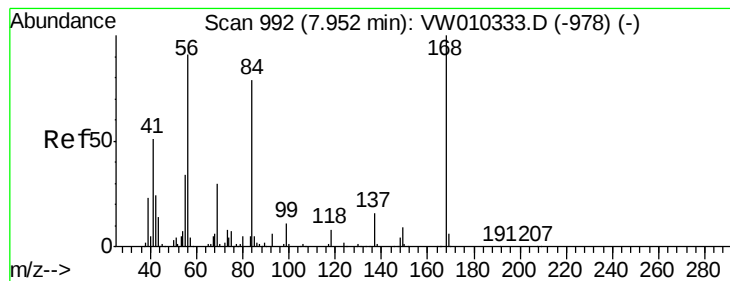
MMDadoda
5/11/2019 12:12:38 PM



#30
Chloroform
Concen: 54.159 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.7	76.1





#31

Cyclohexane

Concen: 44.332 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 1149477

Ion Ratio Lower Upper

56 100

69 33.0 26.6 40.0

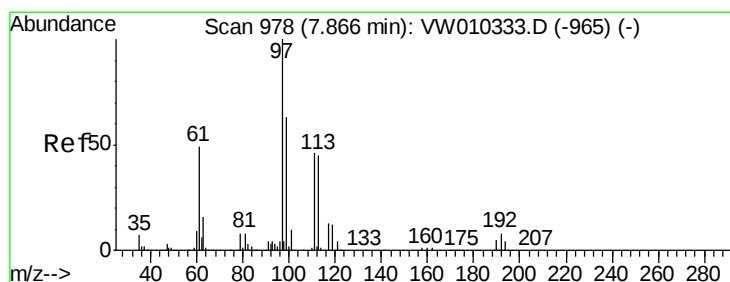
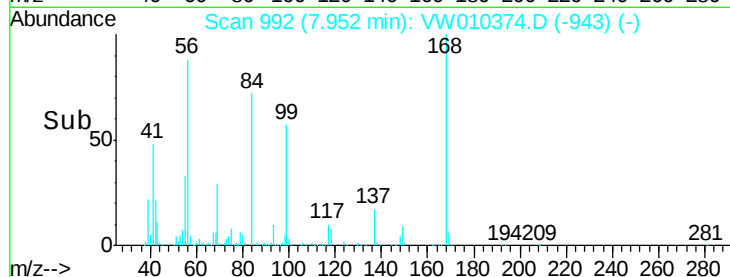
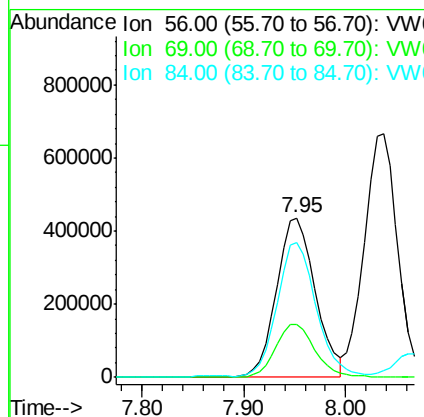
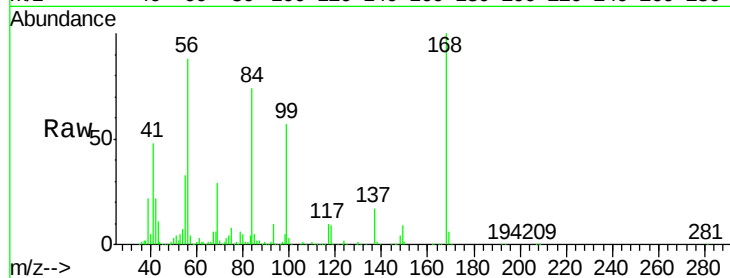
84 84.3 66.2 99.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 47.712 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

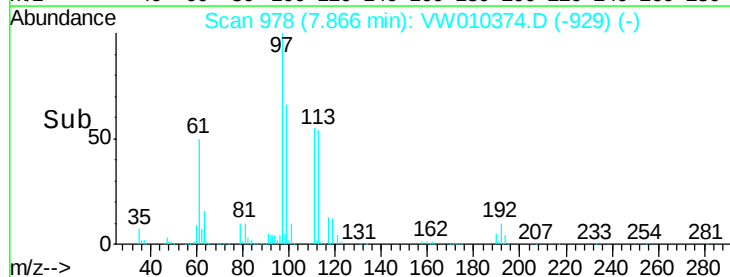
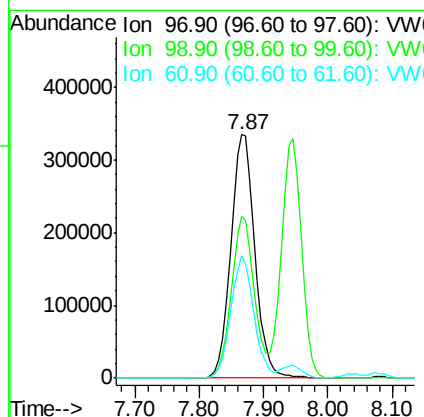
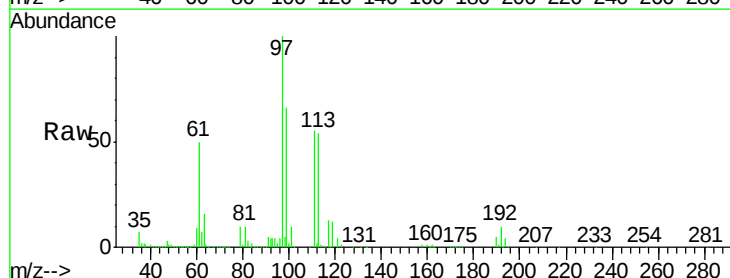
Tgt Ion: 97 Resp: 875869

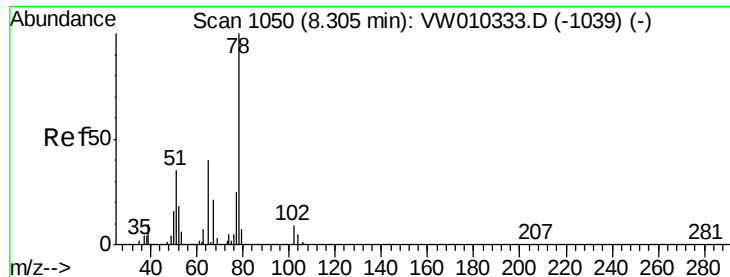
Ion Ratio Lower Upper

97 100

99 64.2 50.2 75.2

61 48.2 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 61.284 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 775765

Ion Ratio Lower Upper

65 100

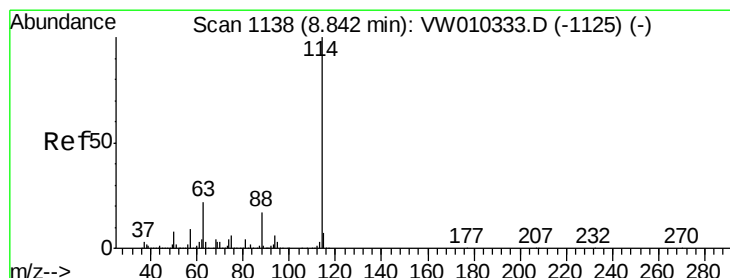
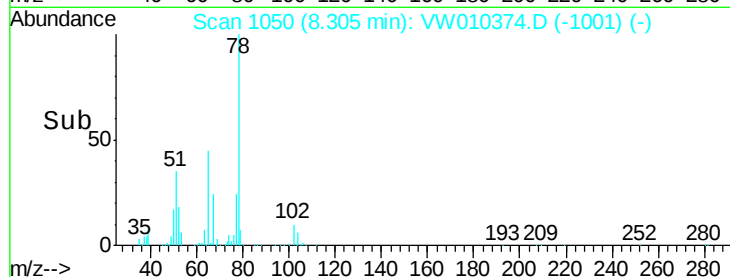
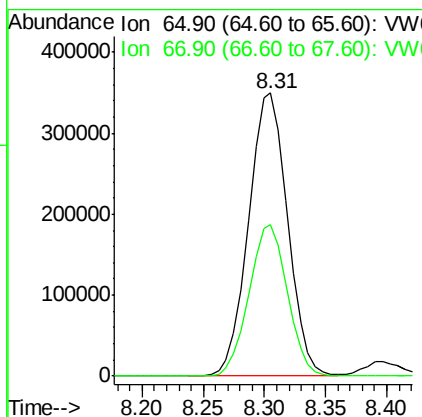
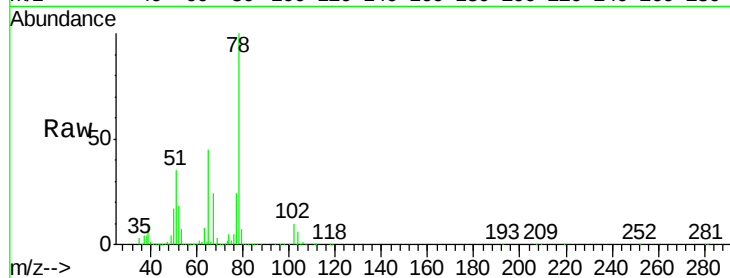
67 52.8 0.0 100.8

Manual Integrations

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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: VW010374.D

Acq: 10 May 2019 23:43

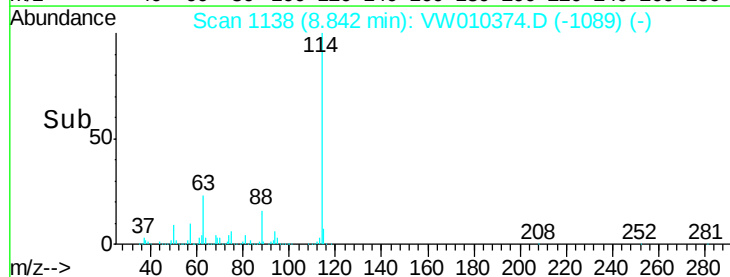
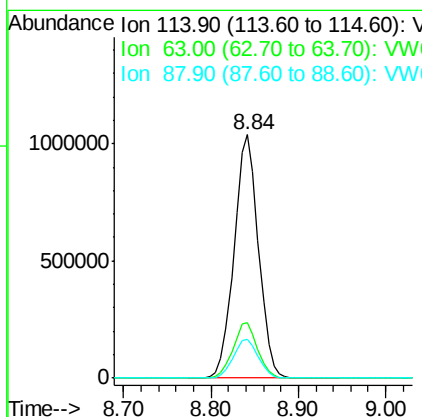
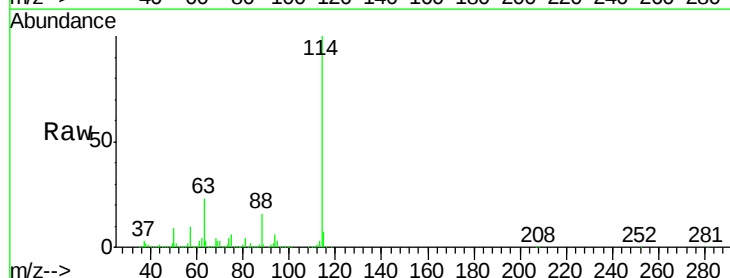
Tgt Ion: 114 Resp: 2001364

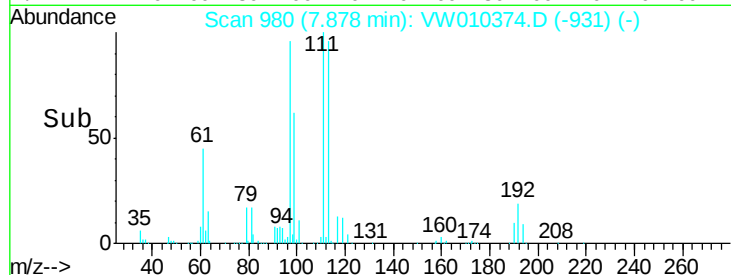
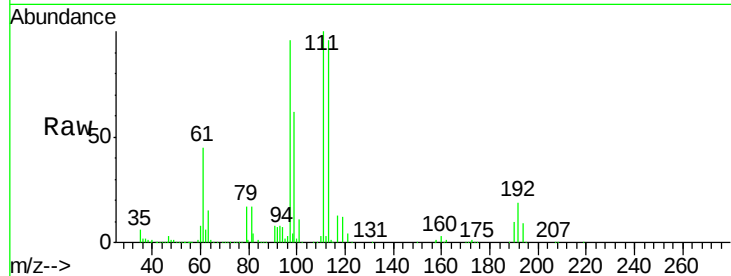
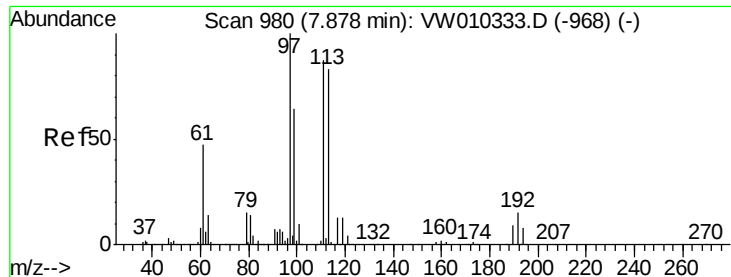
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 16.1 0.0 32.6





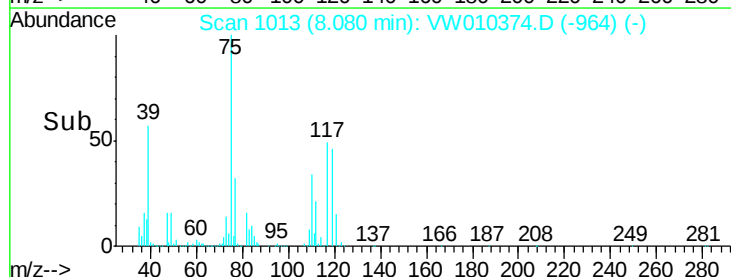
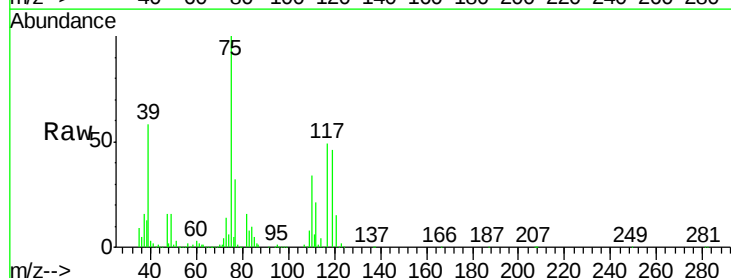
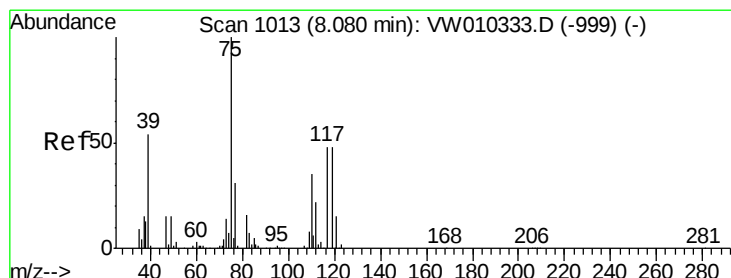
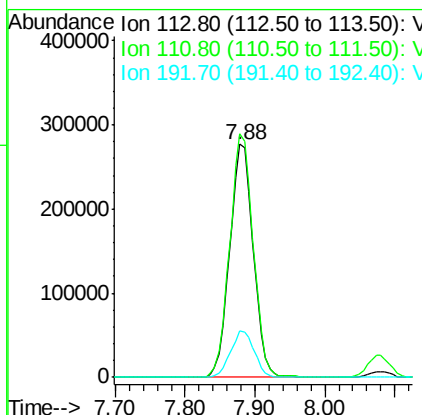
#35
Dibromofluoromethane
Concen: 55.428 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tot Ion	Ratio	Resp	Lower	Upper
113	100	649161		
111	104.0	82.6	123.8	
192	20.0	15.4	23.2	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

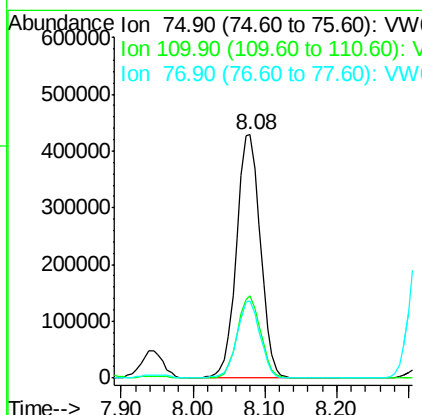
Manual Integrations
APPROVED

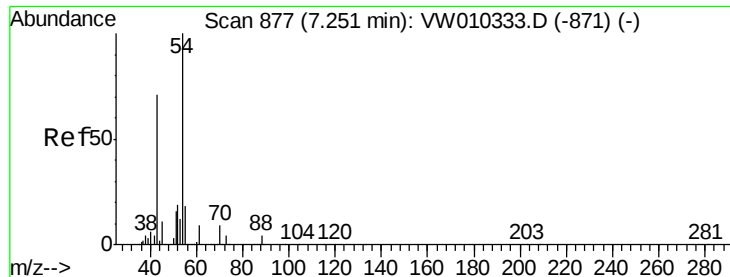
MMDadoda
5/11/2019 12:12:38 PM



#36
1,1-Dichloropropene
Concen: 45.470 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	986700		
110	32.9	16.6	49.8	
77	30.9	24.8	37.2	





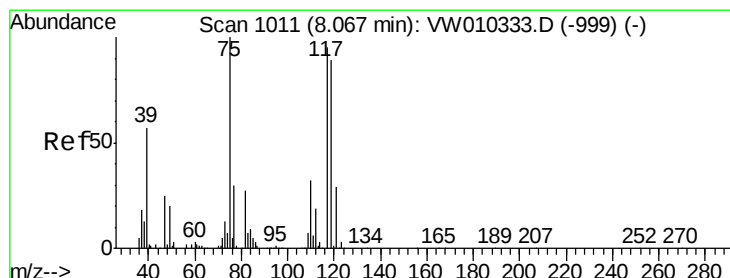
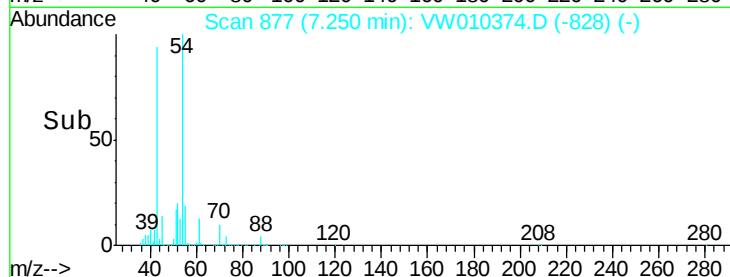
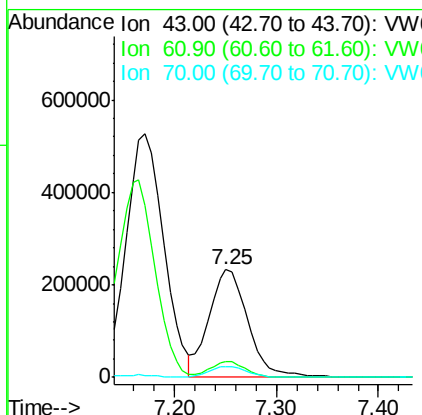
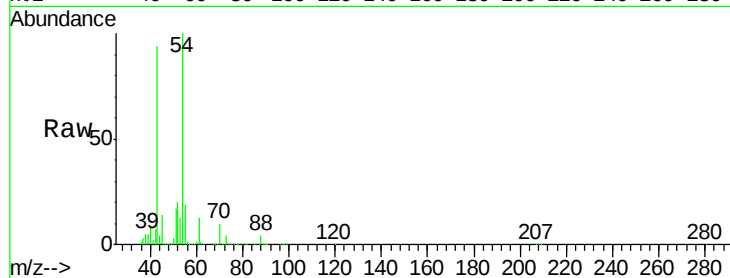
#37
Ethyl Acetate
Concen: 52.996 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.8	14.8
70	10.0	7.4	11.0

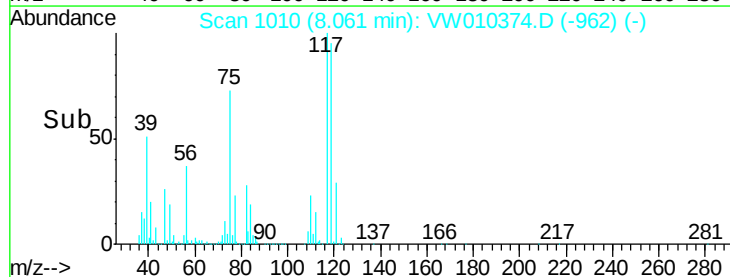
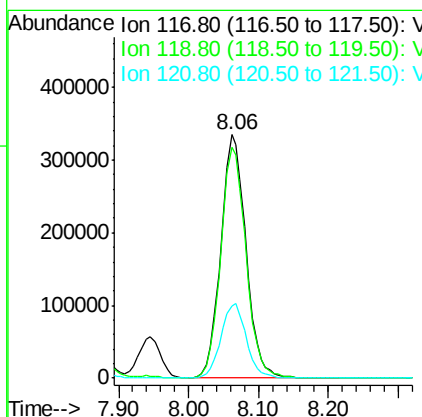
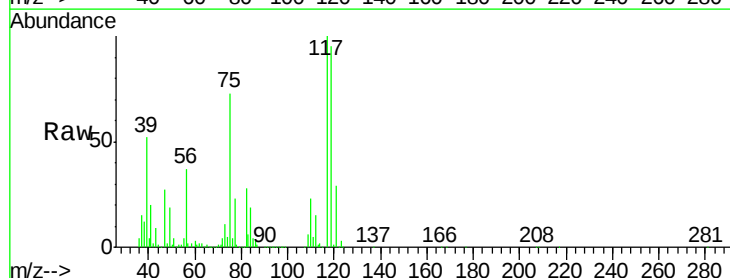
Manual Integrations
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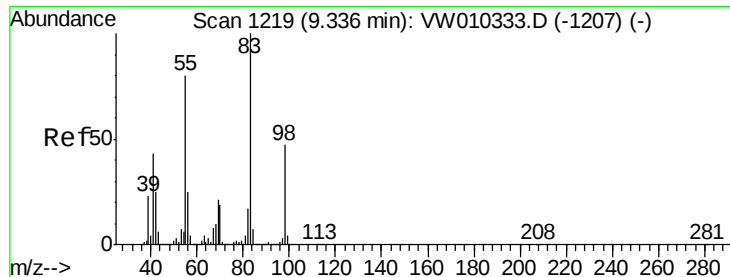
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#38
Carbon Tetrachloride
Concen: 44.970 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.3	112.9
121	29.4	24.4	36.6





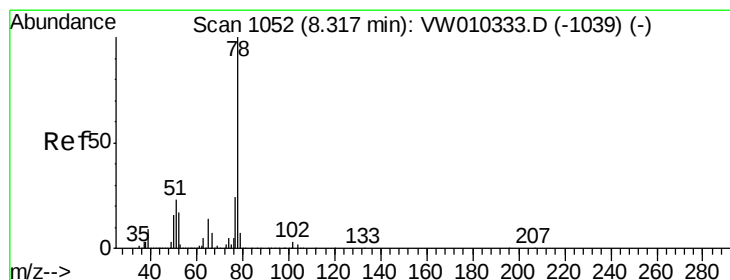
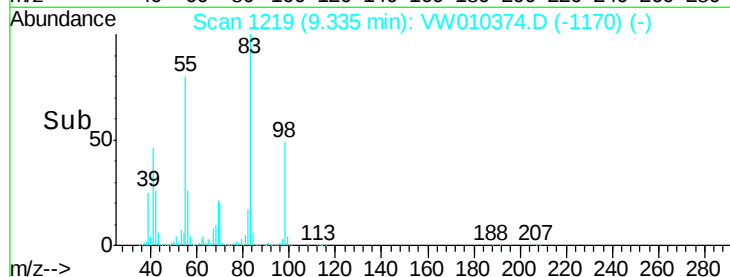
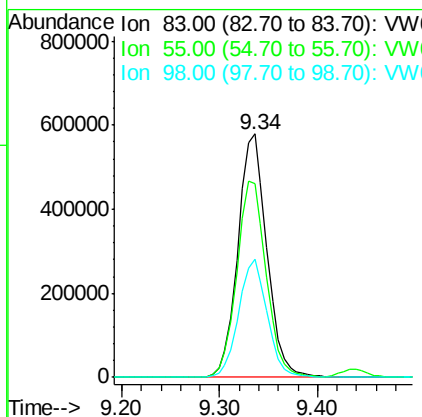
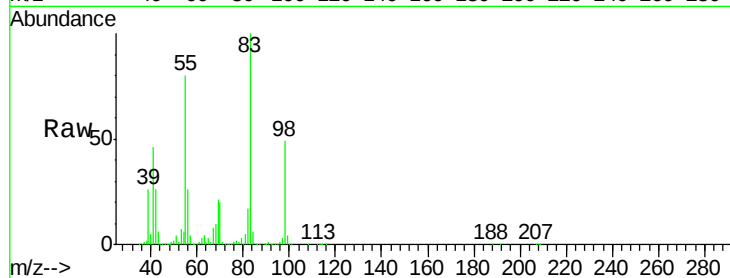
#39
Methvlcvclohexane
Concen: 44.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	67.1	100.7
98	48.8	39.2	58.8

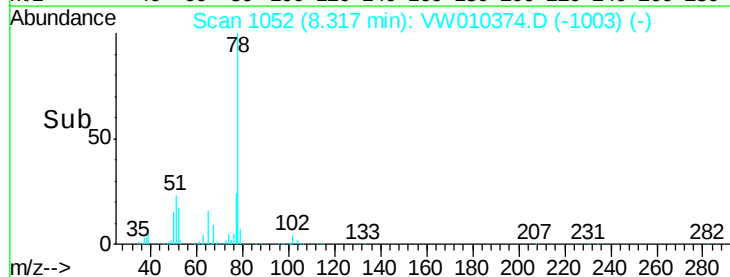
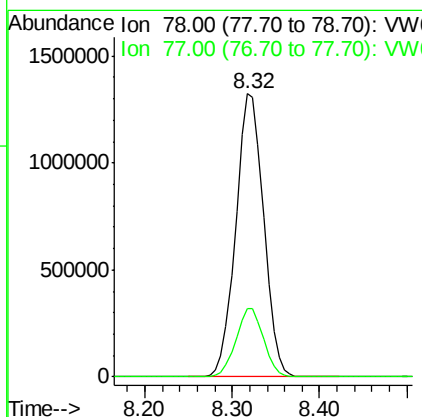
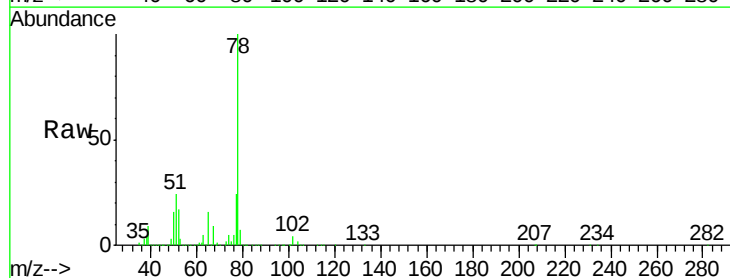
Manual Integrations
APPROVED

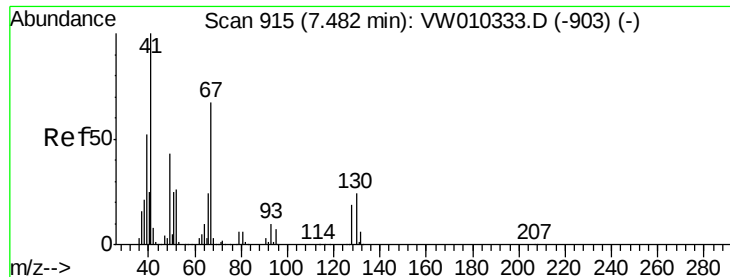
MMDadoda
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#40
Benzene
Concen: 49.355 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 53.900 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

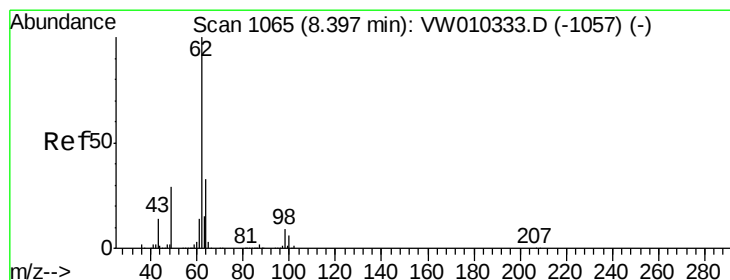
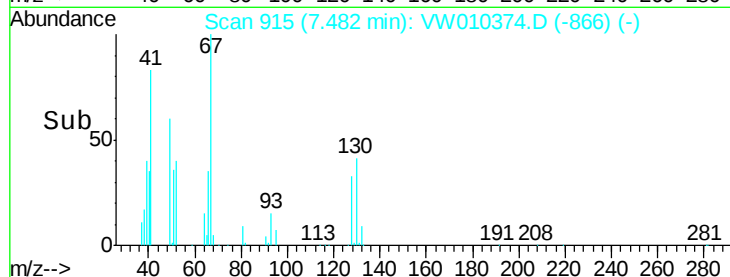
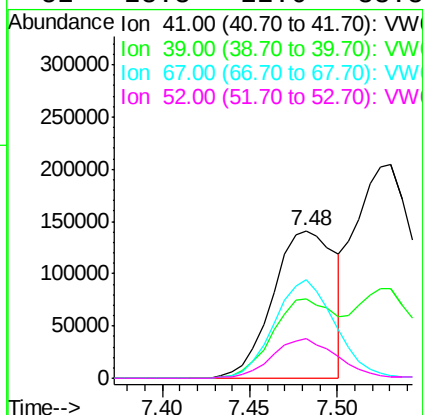
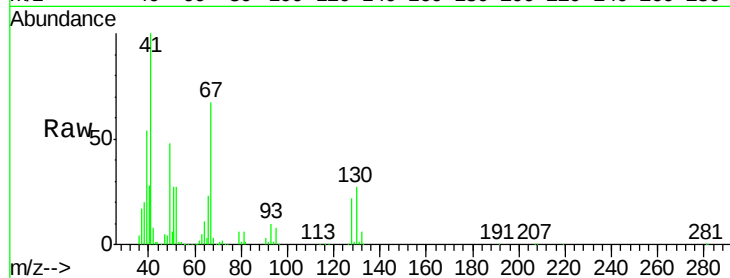
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		349250		
39	53.0	45.0	67.4		
67	66.6	50.7	76.1		
52	28.3	22.6	33.8		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.807 ug/l

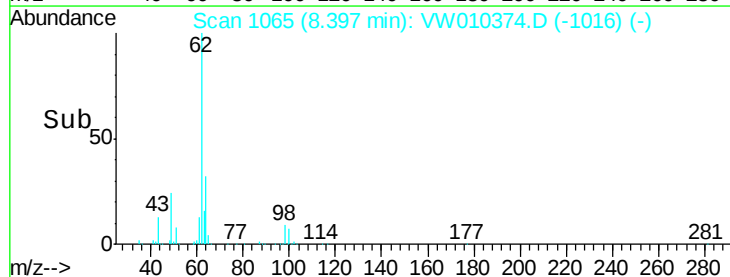
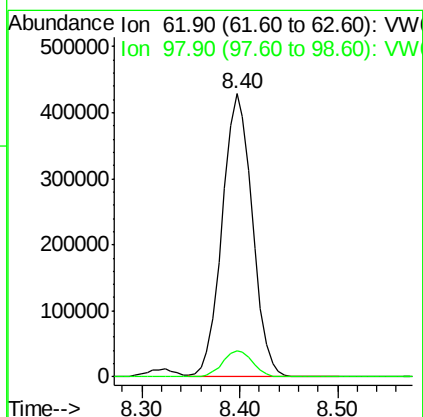
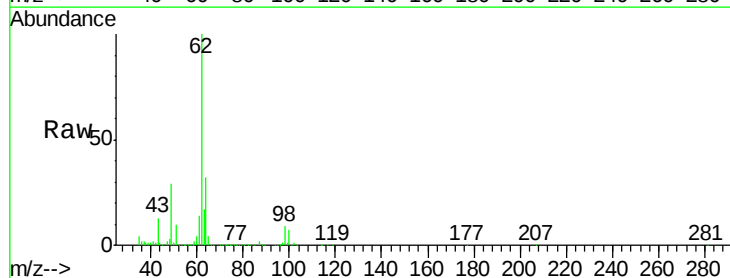
RT: 8.40 min Scan# 1065

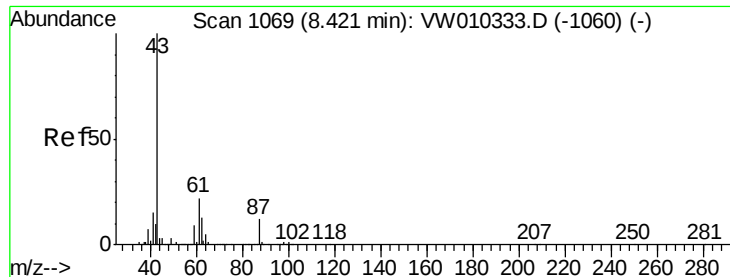
Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		915310		
98	9.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 53.985 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1034457

Ion Ratio Lower Upper

43 100

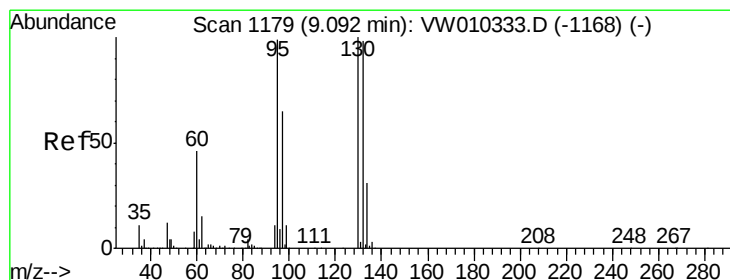
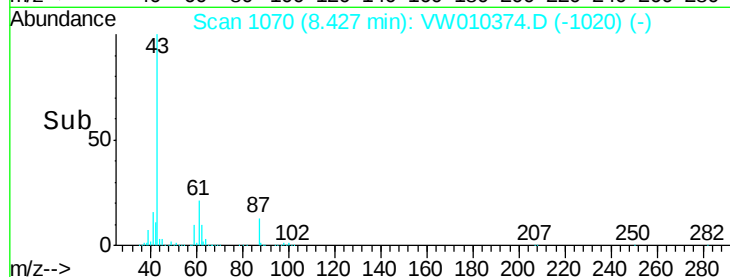
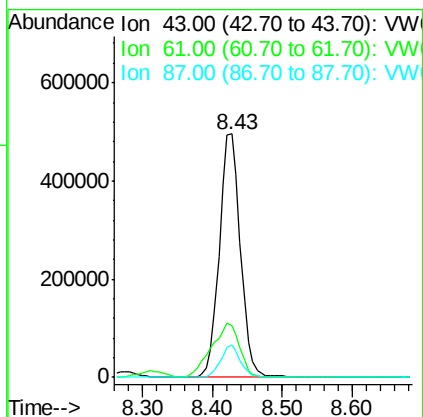
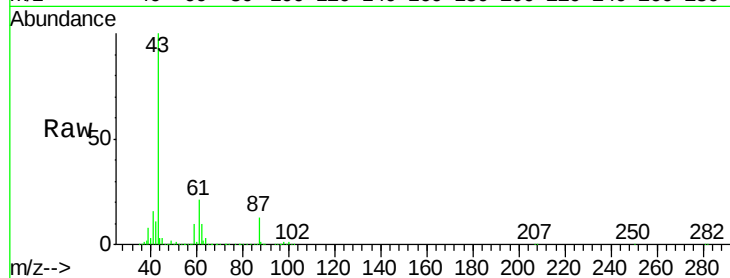
61 29.8 23.0 34.6

87 12.5 9.3 13.9

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#44

Trichloroethene

Concen: 47.200 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010374.D

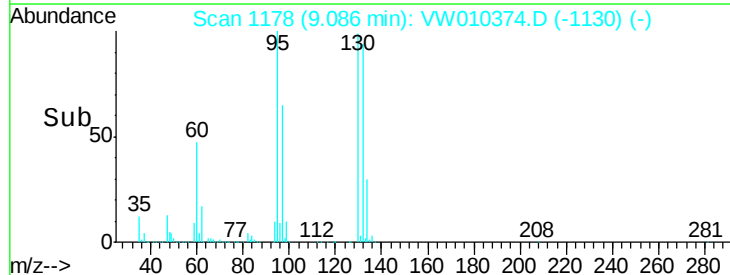
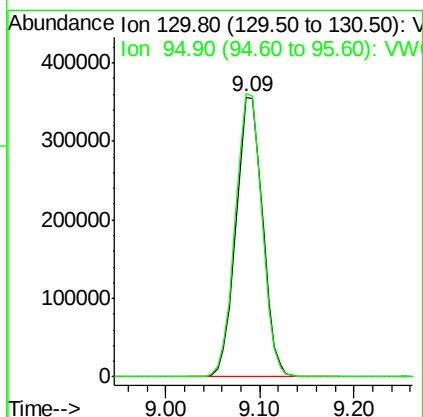
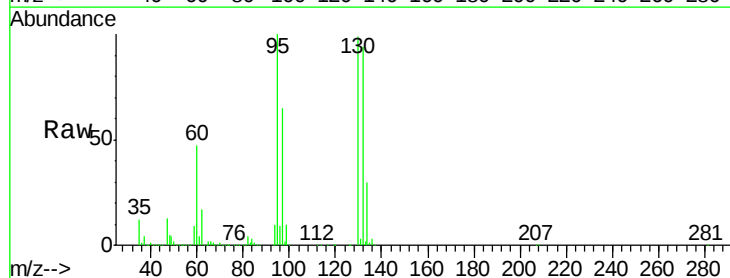
Acq: 10 May 2019 23:43

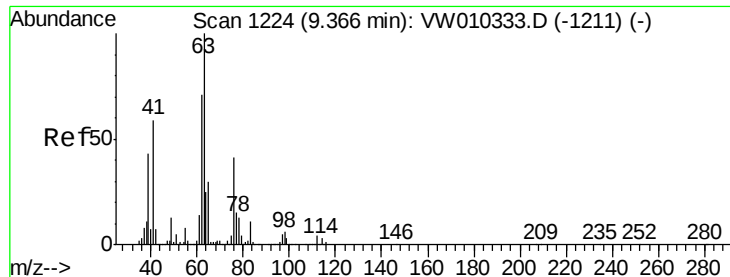
Tgt Ion: 130 Resp: 702241

Ion Ratio Lower Upper

130 100

95 101.1 0.0 205.4





#45

1,2-Dichloropropane

Concen: 53.101 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tot Ion: 63 Resp: 784425

Ion Ratio Lower Upper

63 100

65 30.3 23.8 35.6

Instrument :

MSVOA_W

ClientSampleId :

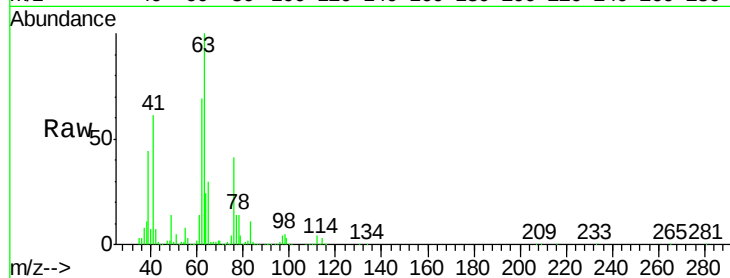
VSTDCCC050EC

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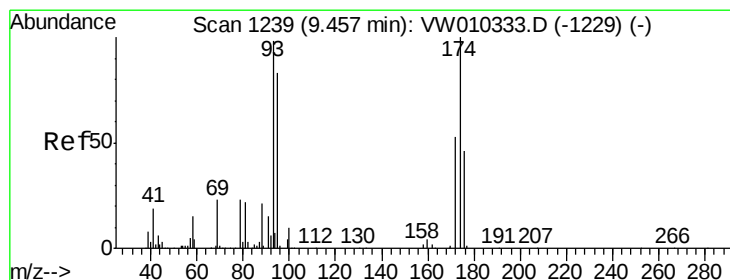
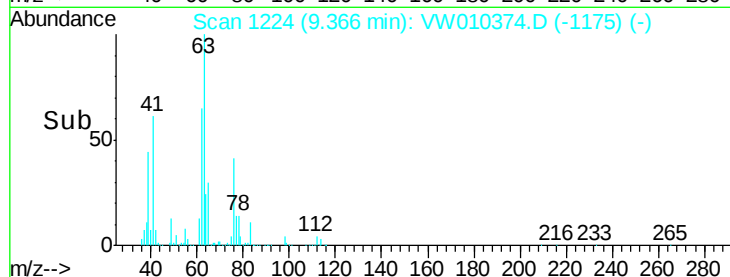
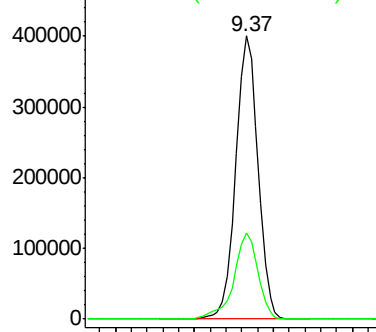
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.939 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

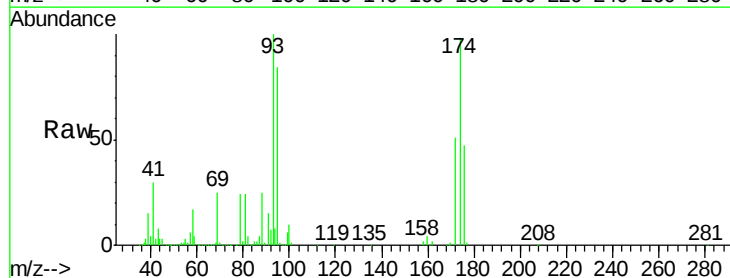
Tgt Ion: 93 Resp: 404007

Ion Ratio Lower Upper

93 100

95 82.7 65.8 98.8

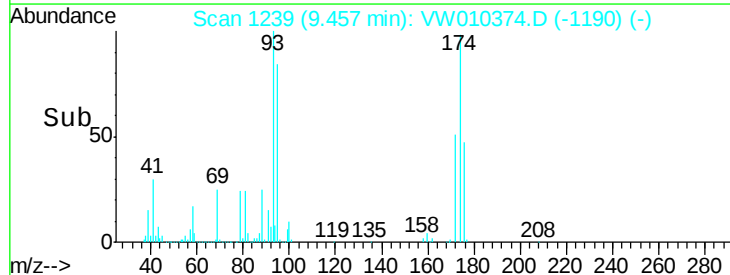
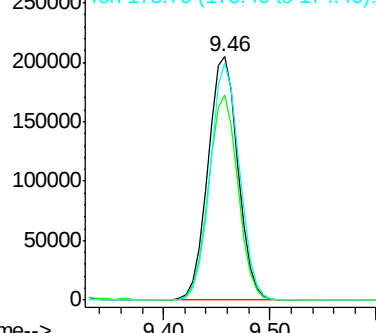
174 95.3 75.5 113.3

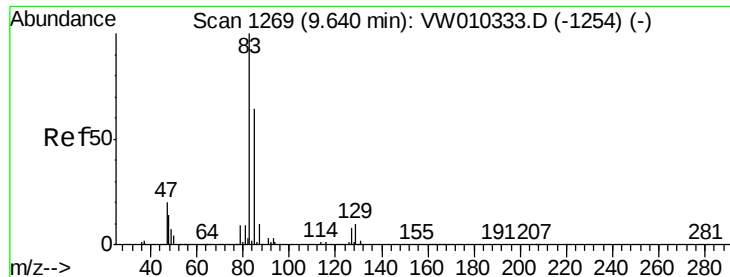


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.244 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

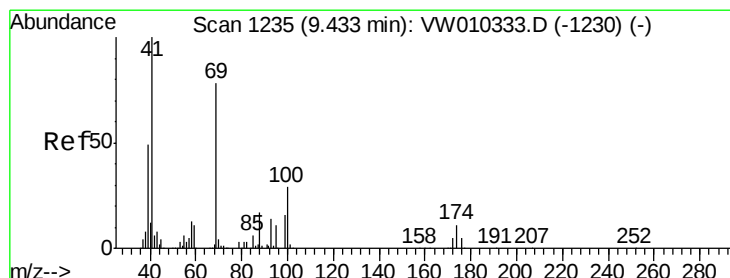
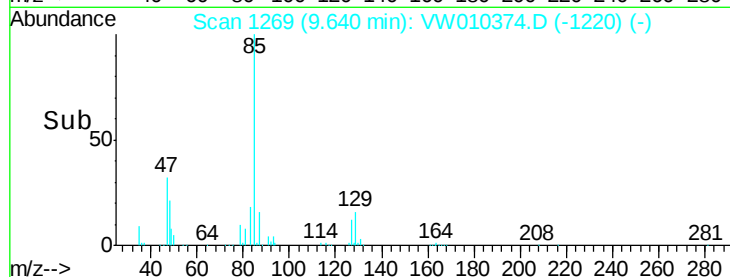
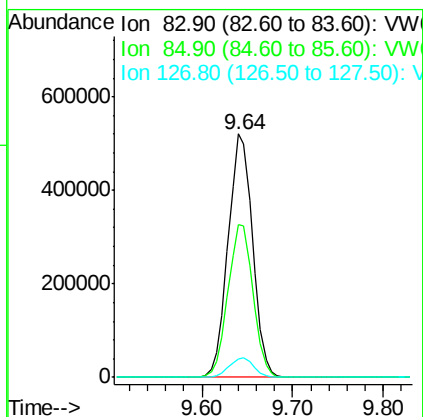
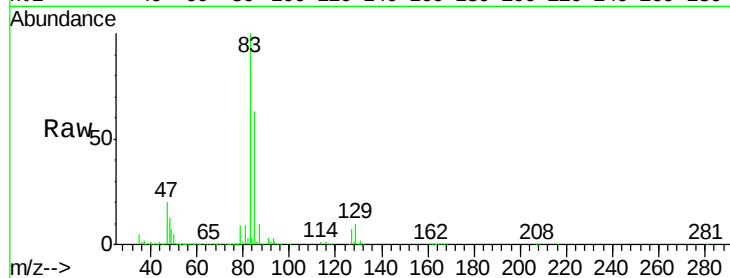
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	974703
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.6	75.8
127	7.5	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.309 ug/l

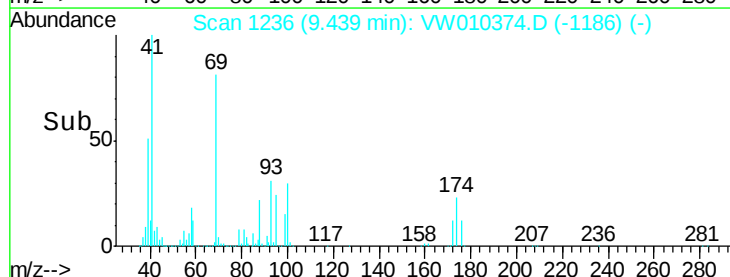
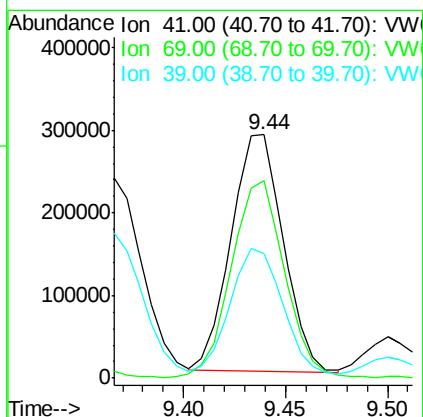
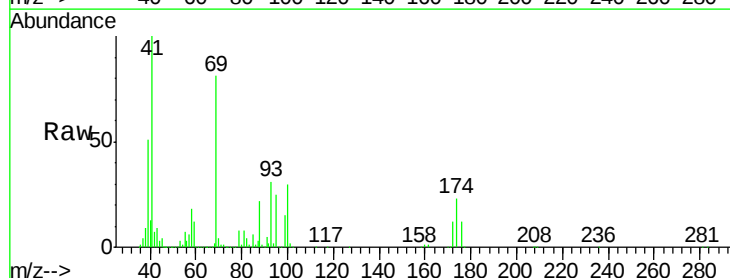
RT: 9.44 min Scan# 1236

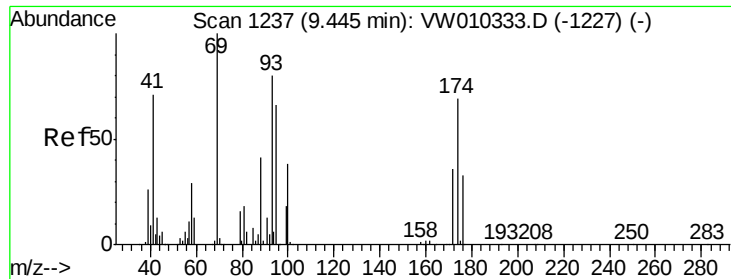
Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	41	Resp:	510178
Ion Ratio	Lower	Upper	
41	100		
69	84.3	60.1	90.1
39	56.6	51.0	76.6





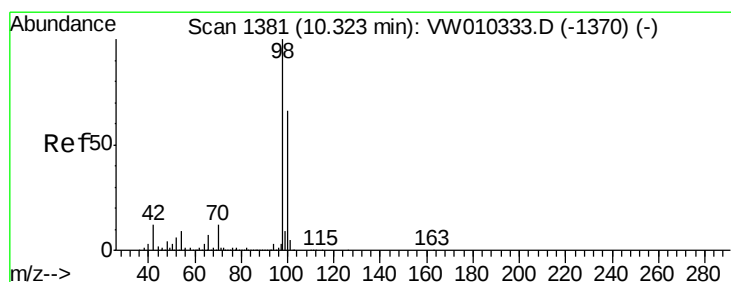
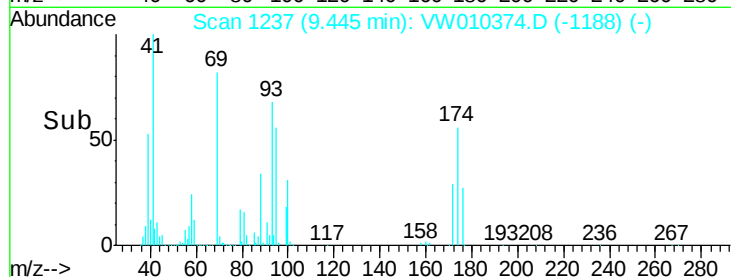
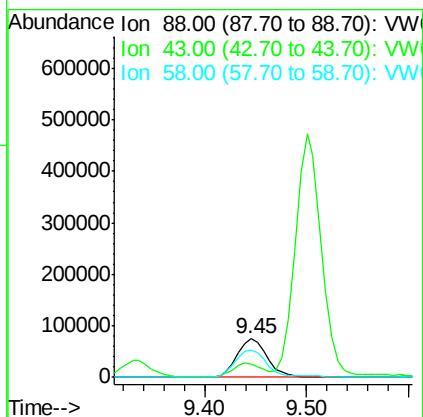
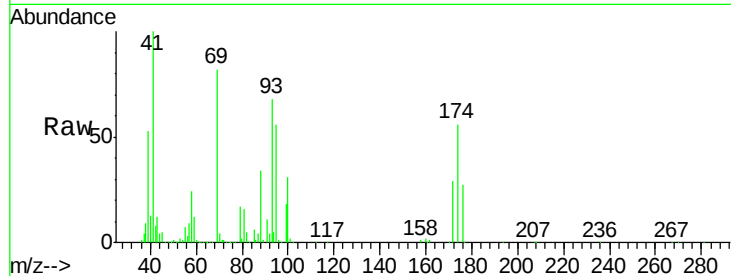
#49
1,4-Dioxane
Concen: 1155.082 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	153727		
43	34.2		31.9	47.9
58	78.3		61.8	92.6

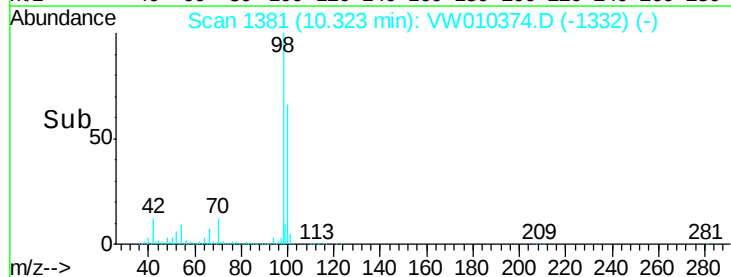
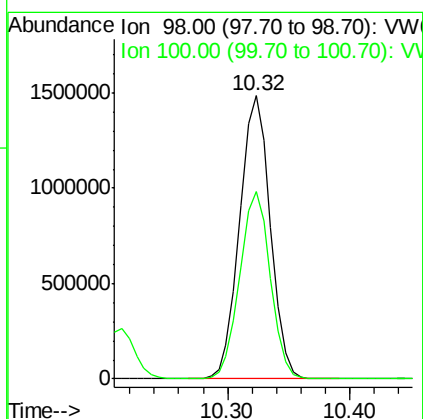
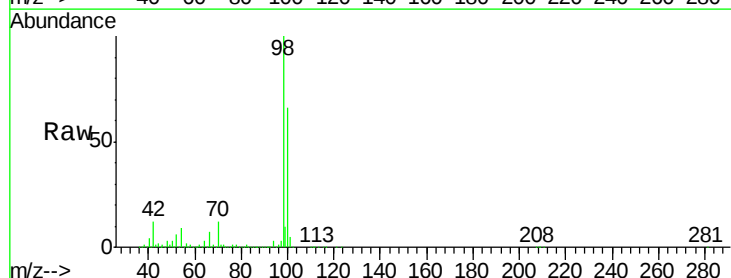
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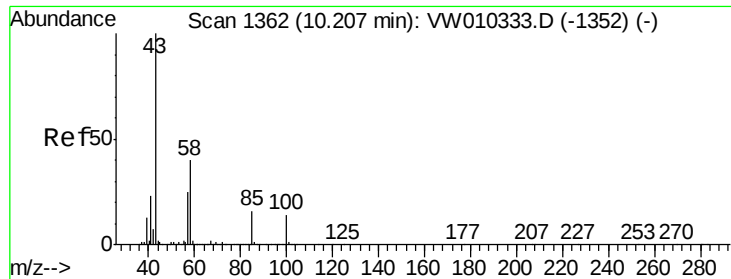
MMDadoda
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#50
Toluene-d8
Concen: 54.159 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2582879		
100	65.9		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 279.530 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3071370

Ion Ratio Lower Upper

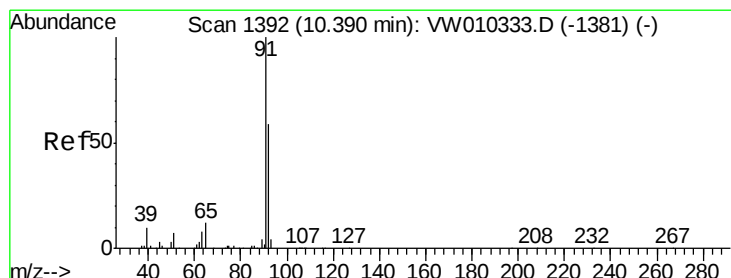
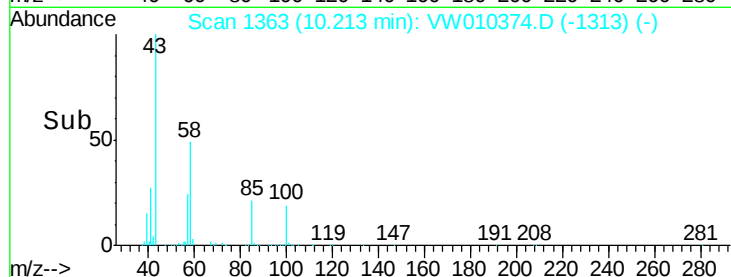
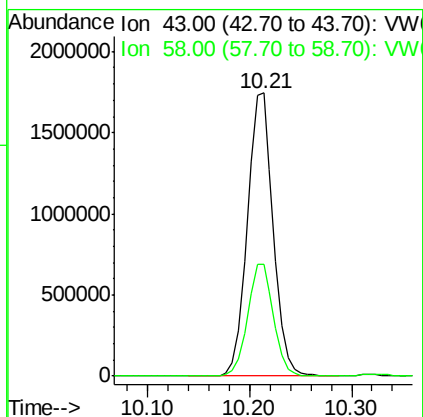
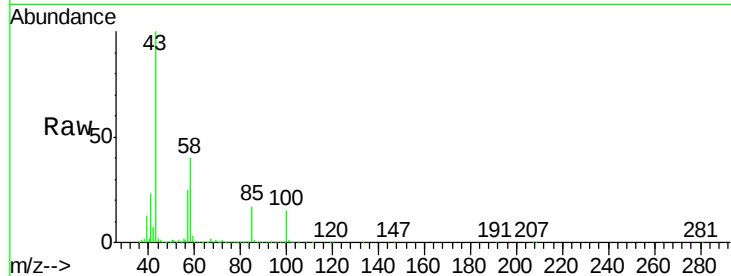
43 100

58 39.6 28.9 43.3

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#52

Toluene

Concen: 50.011 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010374.D

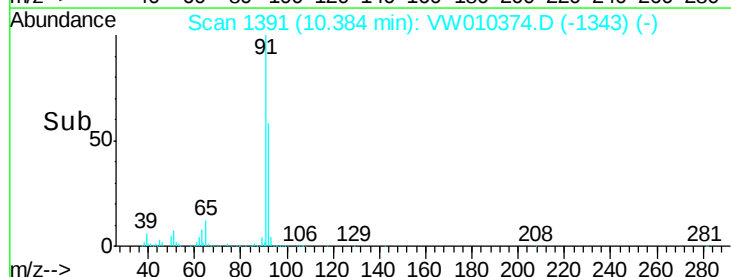
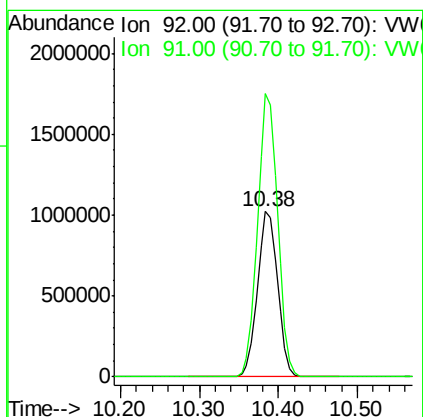
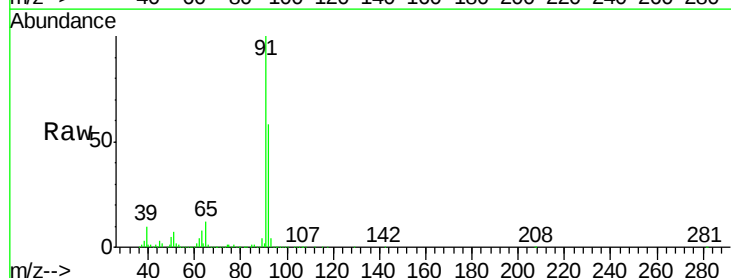
Acq: 10 May 2019 23:43

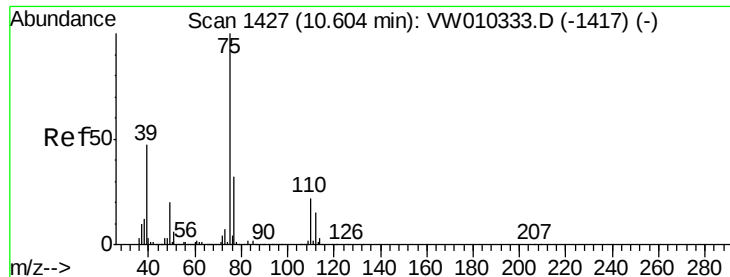
Tgt Ion: 92 Resp: 1816608

Ion Ratio Lower Upper

92 100

91 171.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 52.790 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 978877

Ion Ratio Lower Upper

75 100

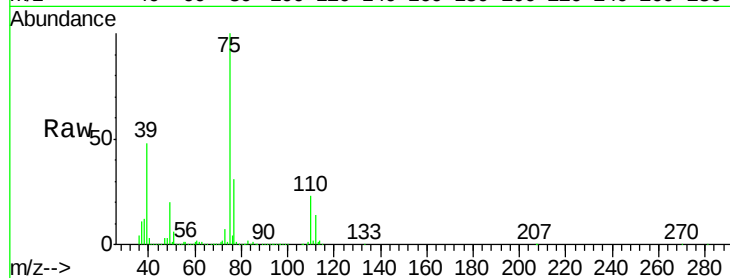
77 31.0 26.9 40.3

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

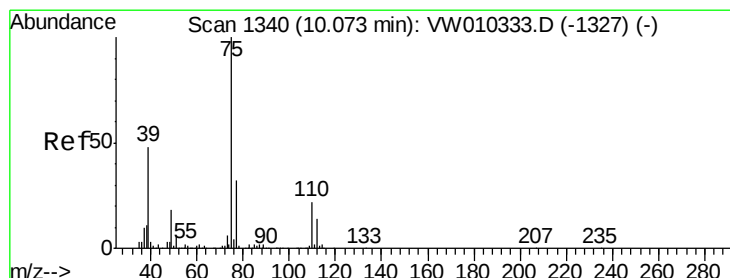
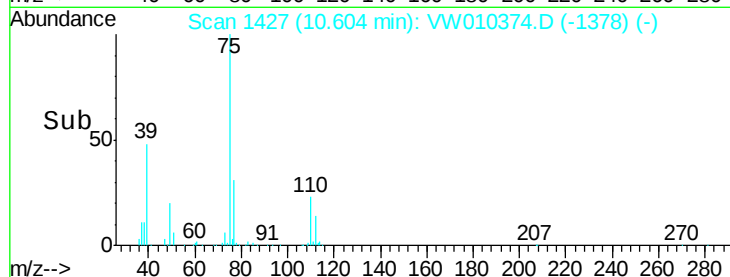
600000

400000

200000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 52.229 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

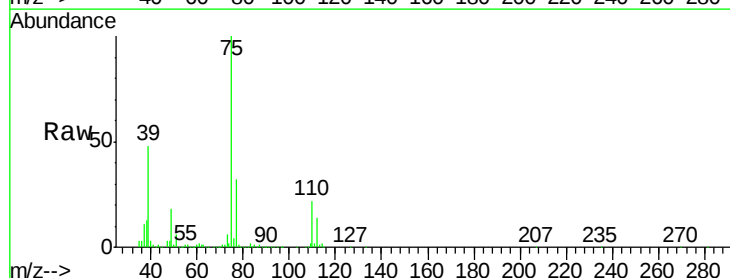
Tgt Ion: 75 Resp: 1146958

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 48.2 47.8 71.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

800000

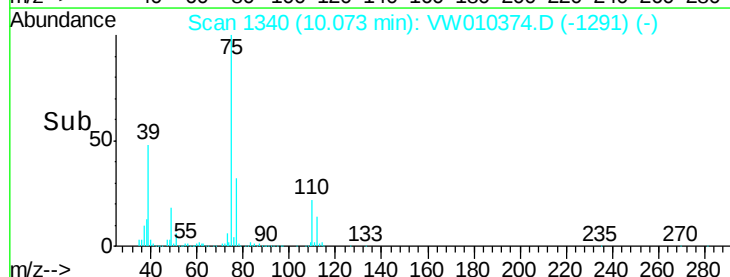
600000

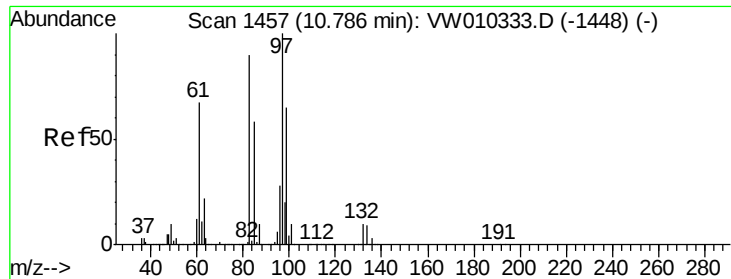
400000

200000

0

Time--> 10.00 10.10 10.20





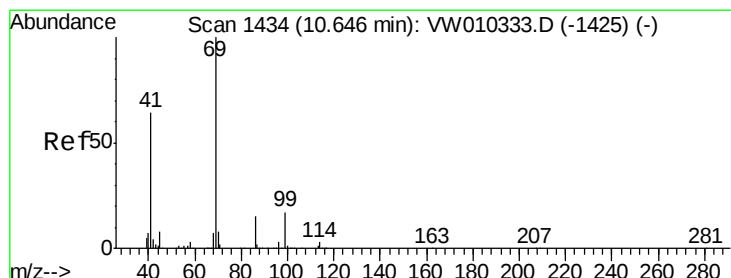
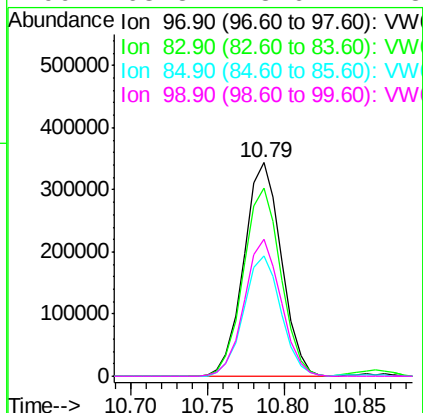
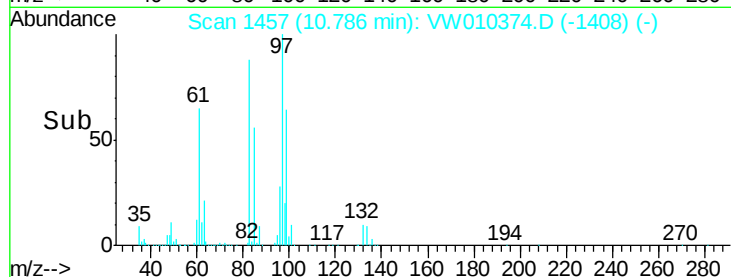
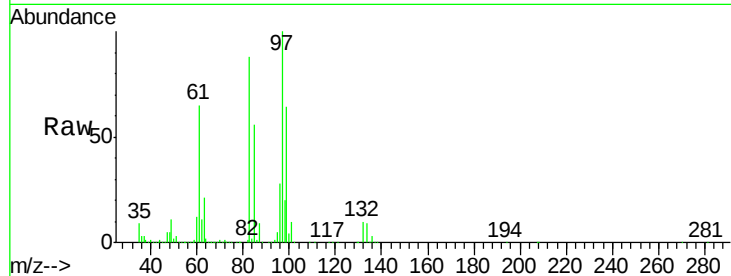
#55
 1,1,2-Trichloroethane
 Concen: 54.133 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		586769		
83	88.3	68.9	103.3		
85	56.5	42.9	64.3		
99	63.8	48.6	72.8		

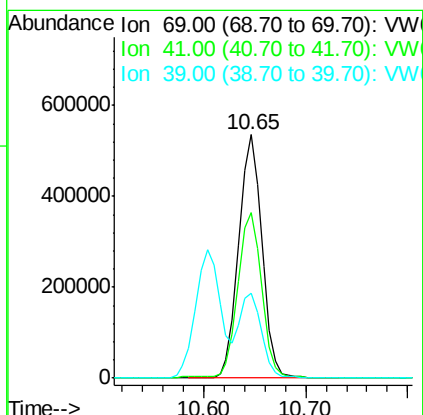
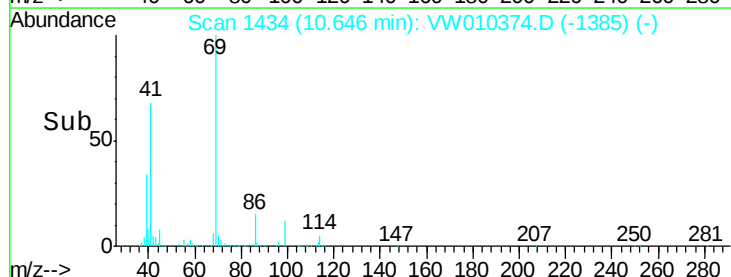
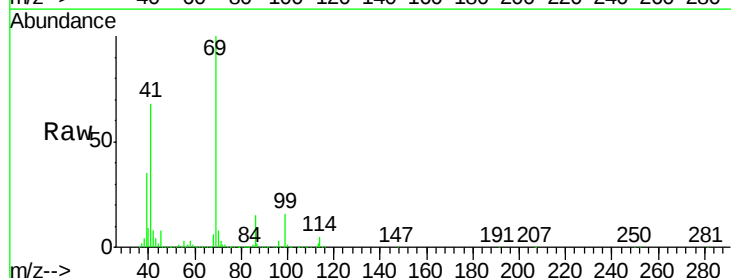
Manual Integrations
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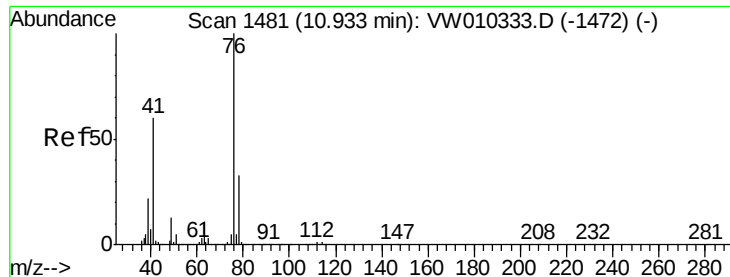
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#56
 Ethyl methacrylate
 Concen: 58.969 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		844068		
41	68.8	61.0	91.6		
39	32.7	33.8	50.6#		





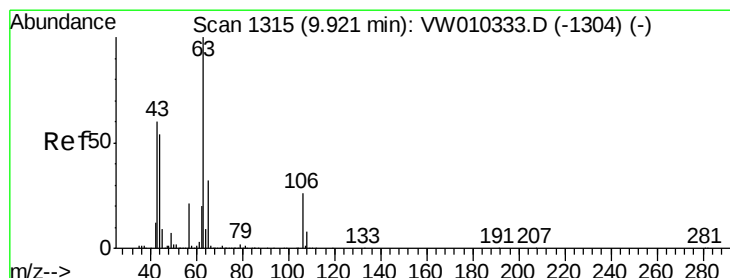
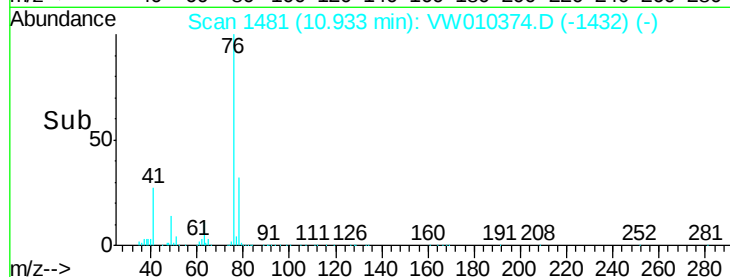
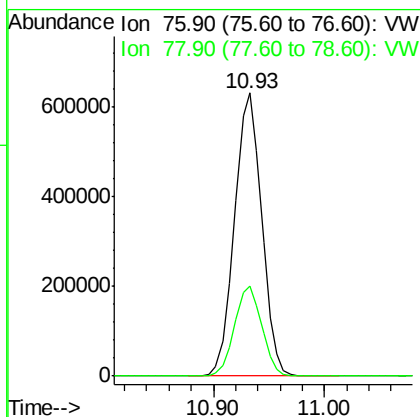
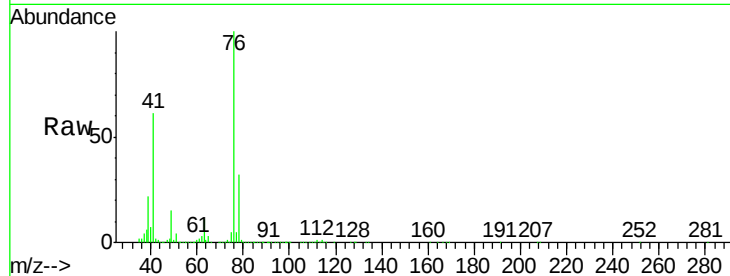
#57
 1,3-Dichloropropane
 Concen: 54.954 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 76 Resp: 1064874
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

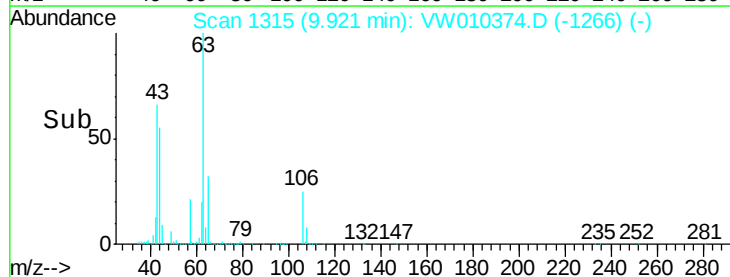
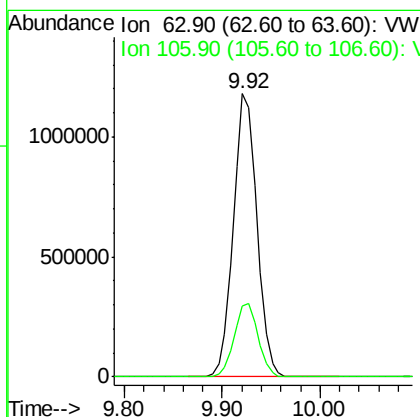
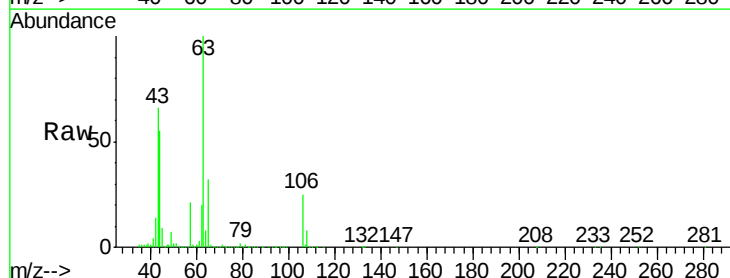
Manual Integrations
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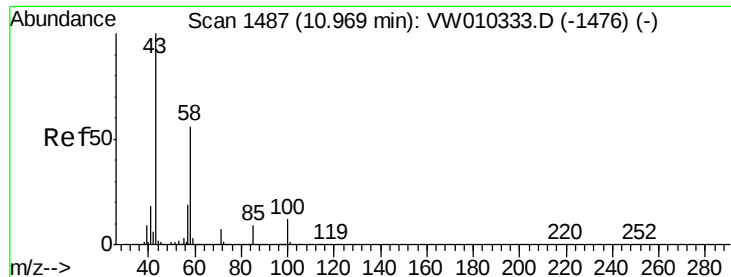
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 5/11/2019 12:12:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.203 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion: 63 Resp: 1968264
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.0





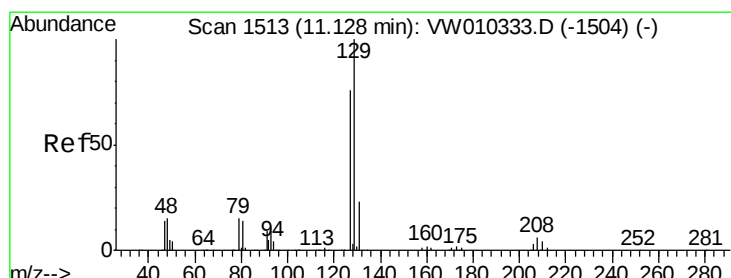
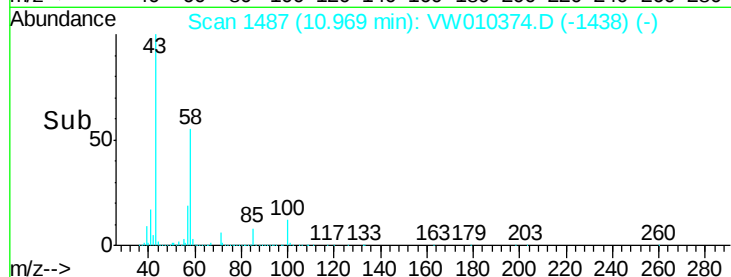
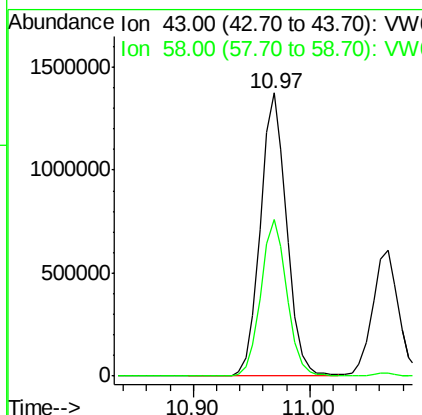
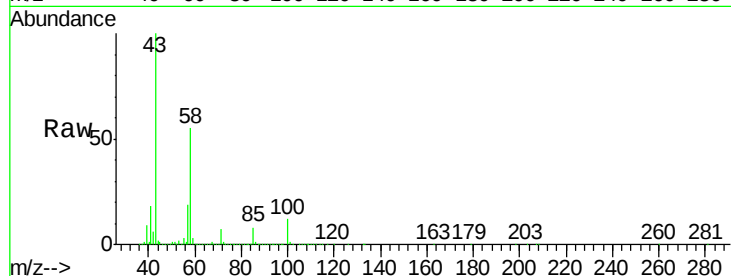
#59
2-Hexanone
Concen: 277.871 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2158681
Ion Ratio Lower Upper
43 100
58 54.9 24.9 74.7

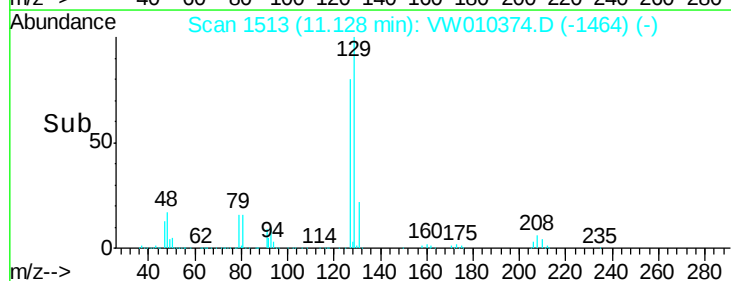
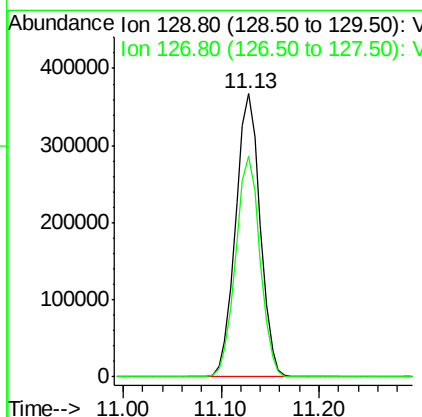
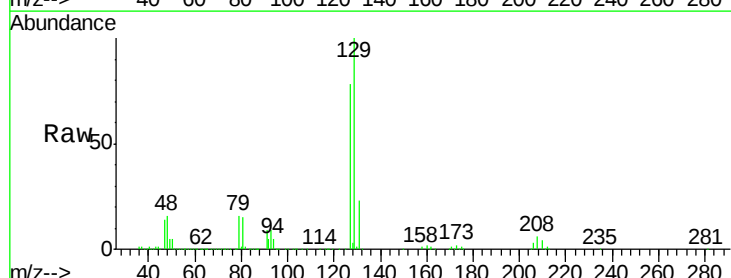
Manual Integrations
APPROVED

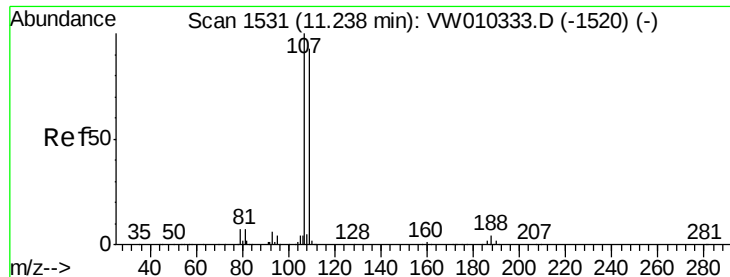
MMDadoda
5/11/2019 12:12:38 PM



#60
Dibromochloromethane
Concen: 54.764 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 129 Resp: 638759
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.558 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 557291

Ion Ratio Lower Upper

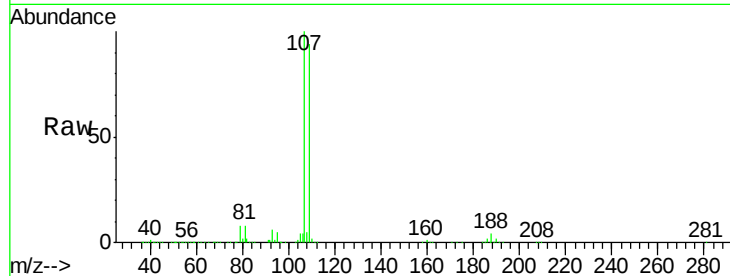
107 100

109 95.1 73.6 110.4

Manual Integrations
APPROVED

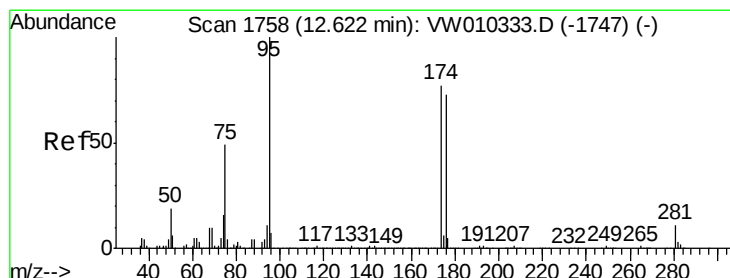
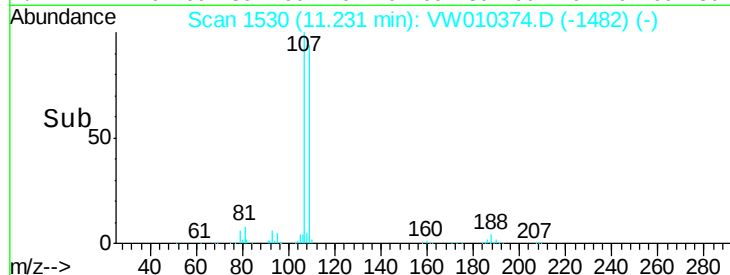
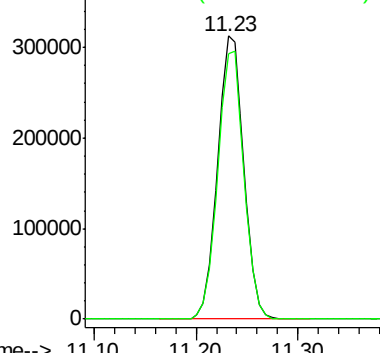
MMDadoda

5/11/2019 12:12:38 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.771 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

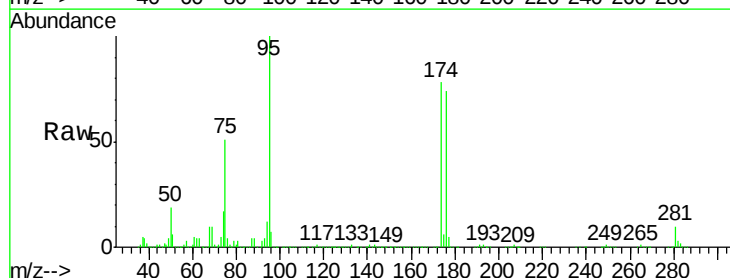
Tgt Ion: 95 Resp: 953033

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

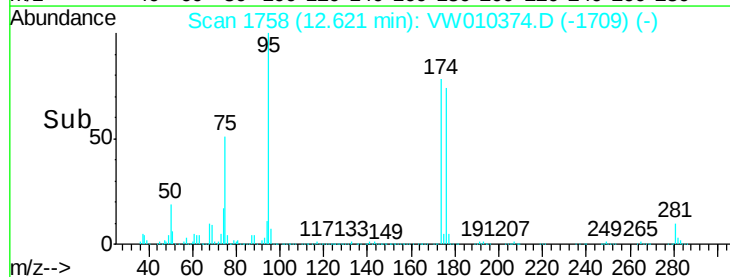
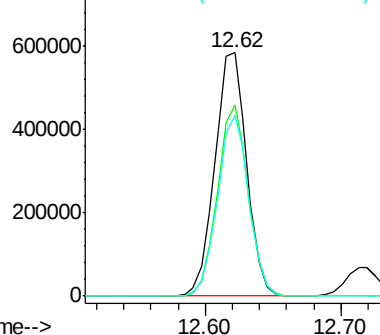
176 73.0 0.0 146.2

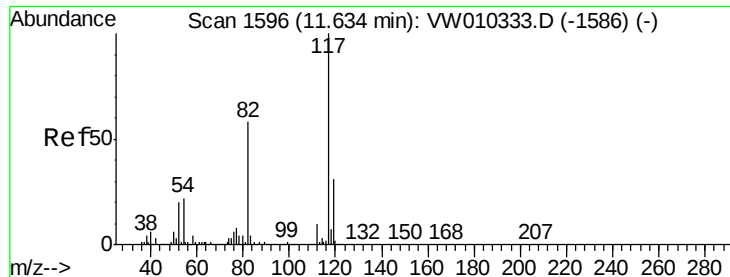


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





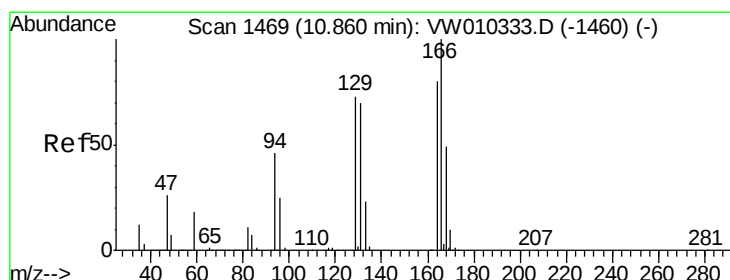
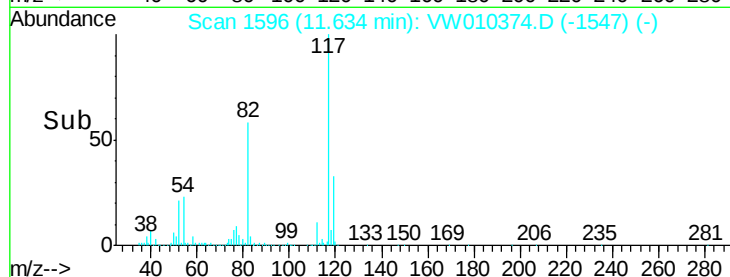
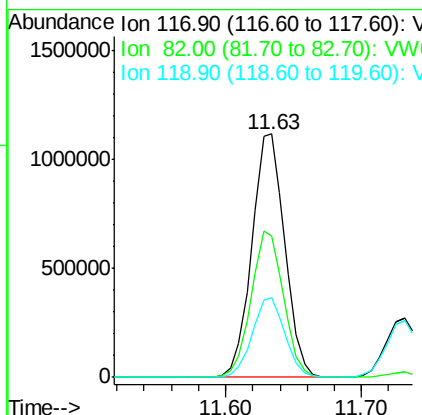
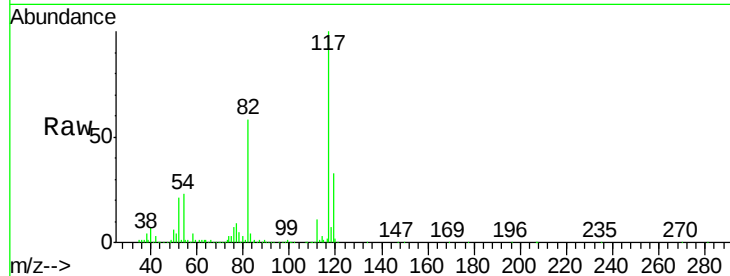
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.2	67.8
119	32.5	25.4	38.2

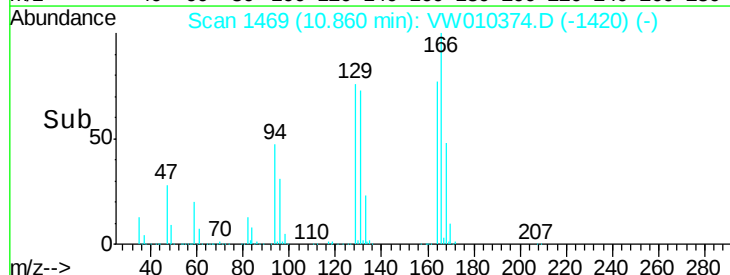
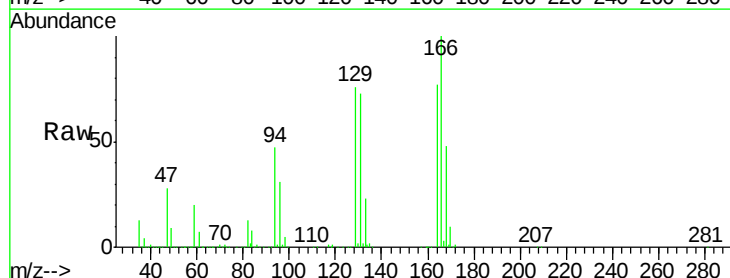
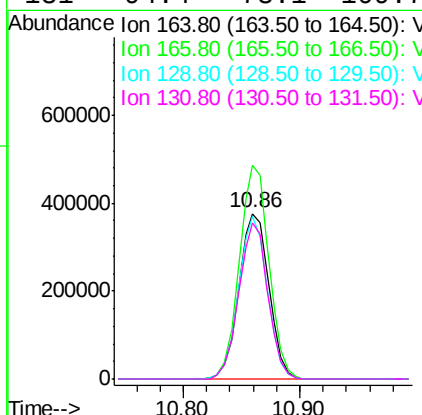
Manual Integrations
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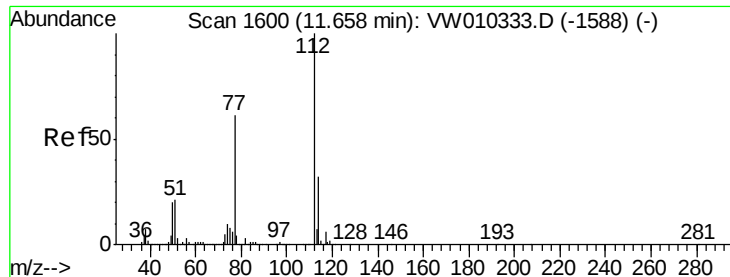
MMDadoda
5/11/2019 12:12:38 PM



#64
Tetrachloroethene
Concen: 50.707 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.2	151.8
129	98.6	77.8	116.6
131	94.4	73.1	109.7





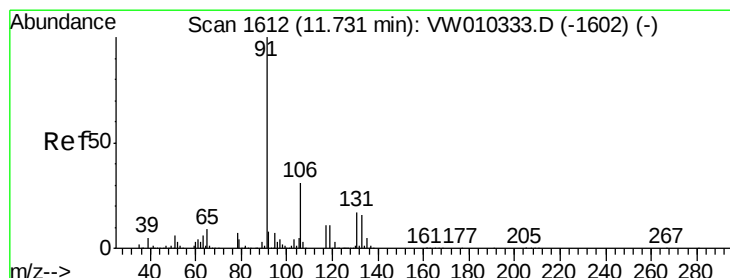
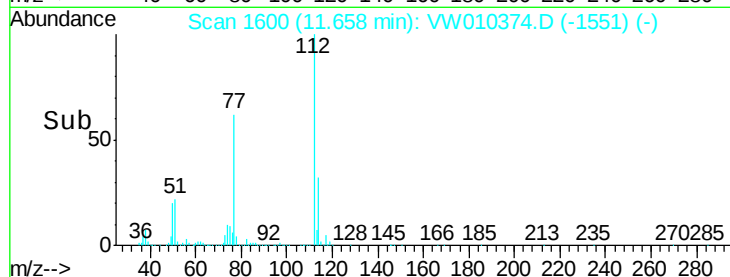
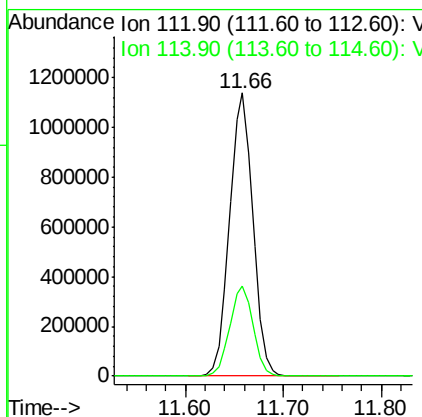
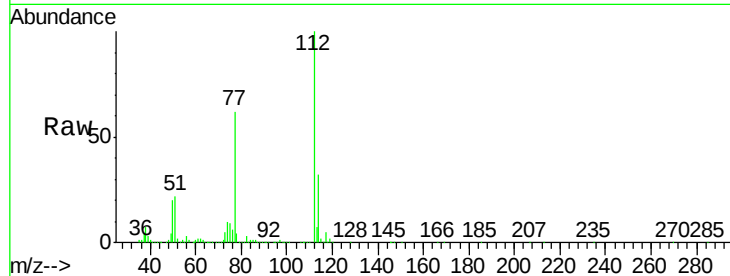
#65
Chlorobenzene
Concen: 47.660 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1876288
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7

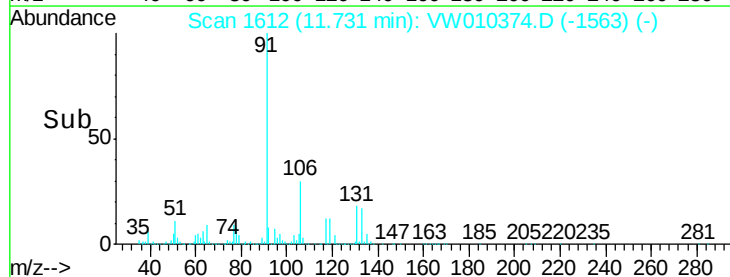
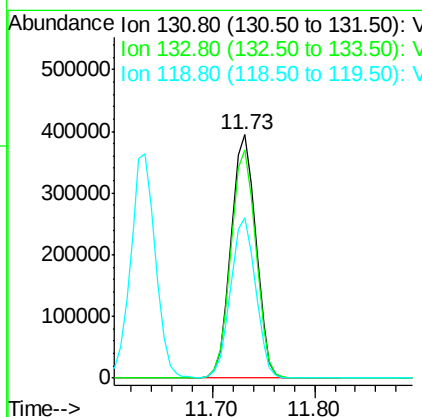
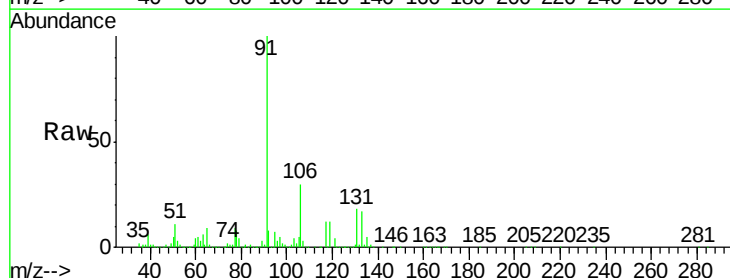
Manual Integrations
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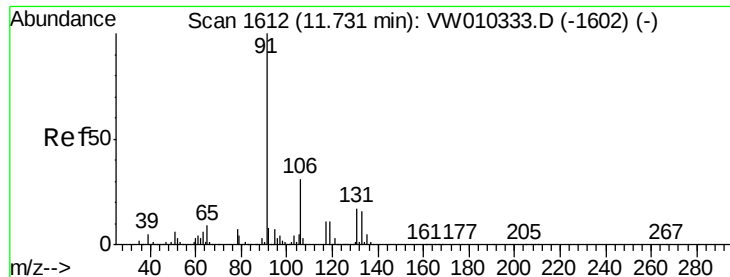
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.895 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:131 Resp: 663905
Ion Ratio Lower Upper
131 100
133 94.3 46.5 139.5
119 66.1 31.9 95.5





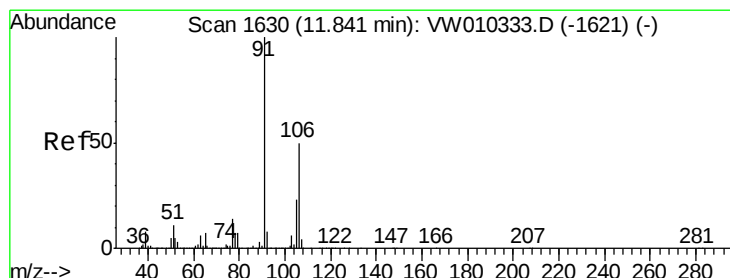
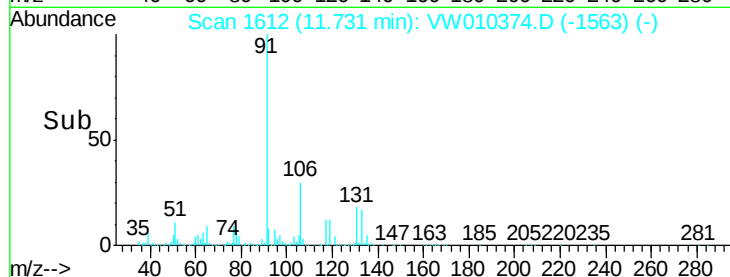
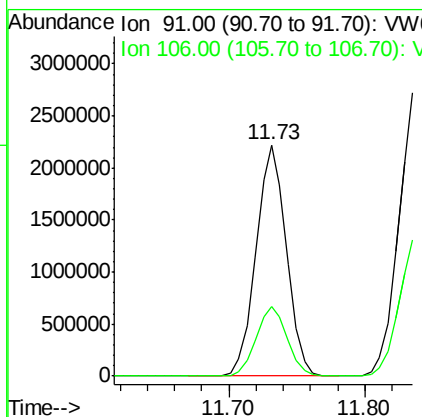
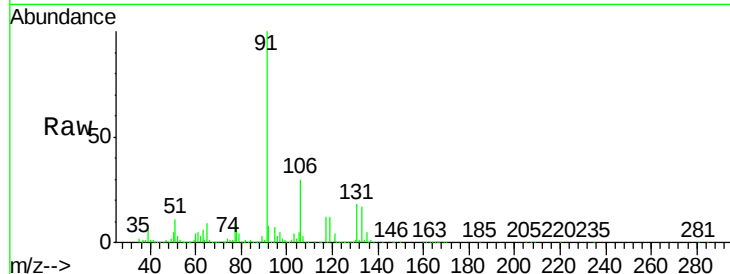
#67
Ethyl Benzene
Concen: 47.971 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 3474158
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8

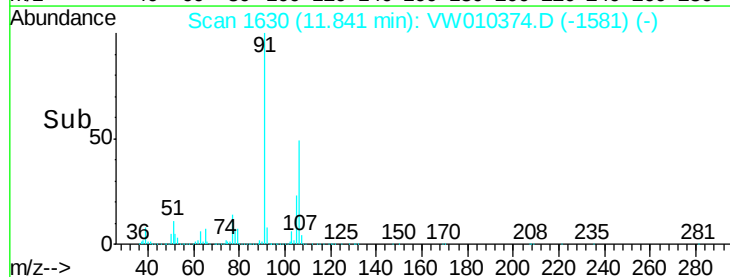
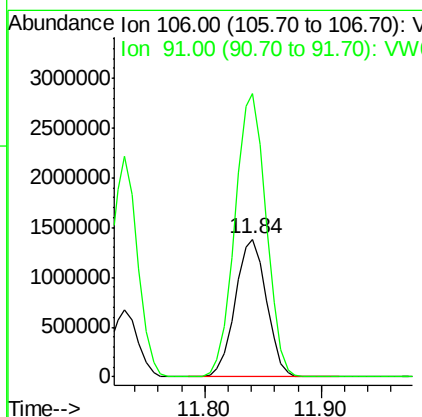
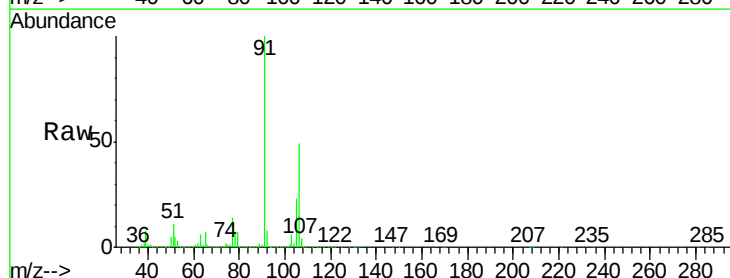
Manual Integrations
APPROVED

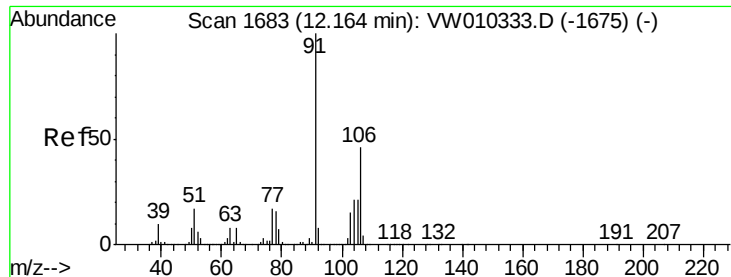
MMDadoda
5/11/2019 12:12:38 PM



#68
m/p-Xylenes
Concen: 95.882 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 106 Resp: 2580020
Ion Ratio Lower Upper
106 100
91 206.2 165.0 247.6





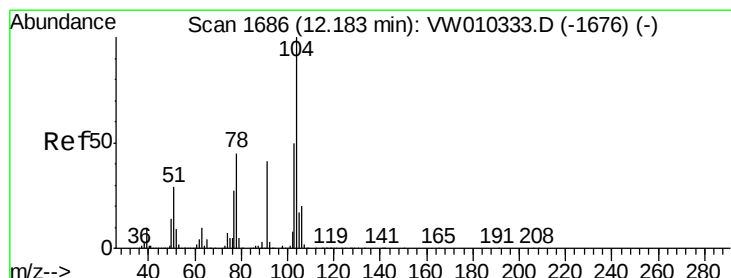
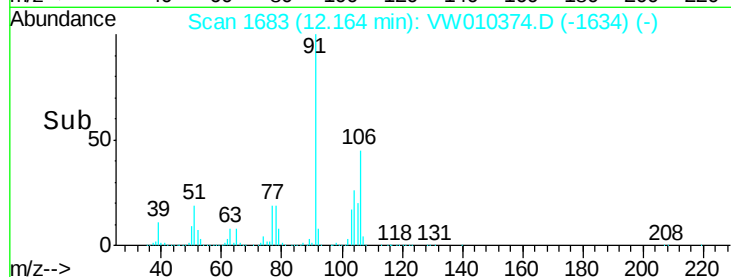
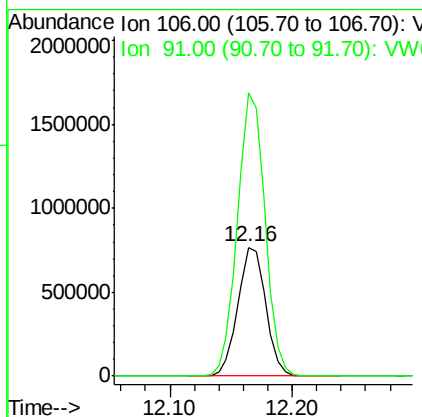
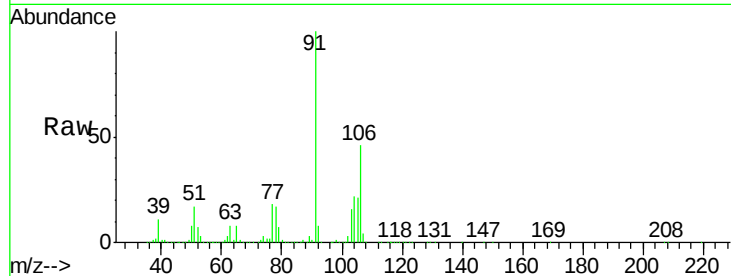
#69
o-Xylene
Concen: 49.818 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1212633
Ion Ratio Lower Upper
106 100
91 217.3 110.5 331.4

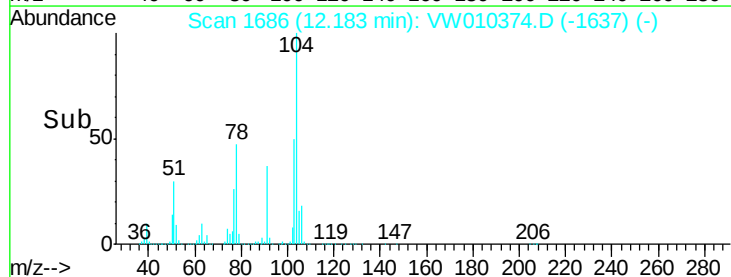
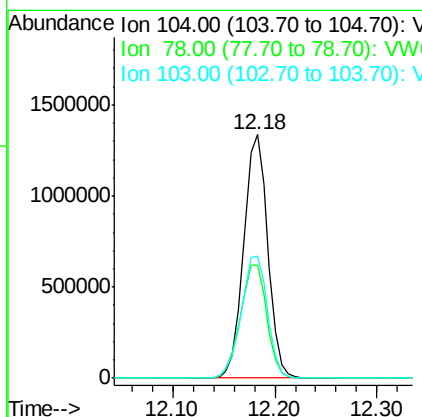
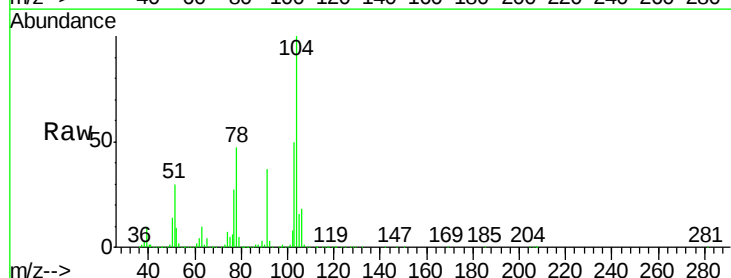
Manual Integrations
APPROVED

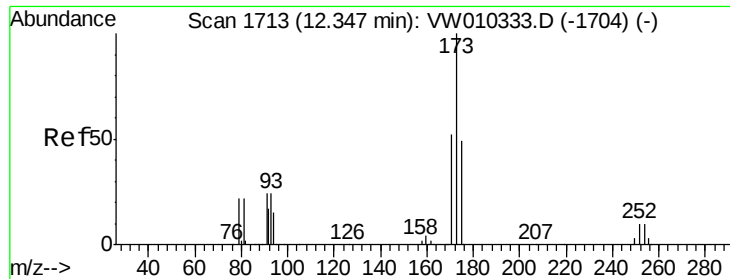
MMDadoda
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#70
Styrene
Concen: 51.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:104 Resp: 2181695
Ion Ratio Lower Upper
104 100
78 51.4 42.5 63.7
103 54.6 43.6 65.4





#71

Bromoform

Concen: 50.472 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

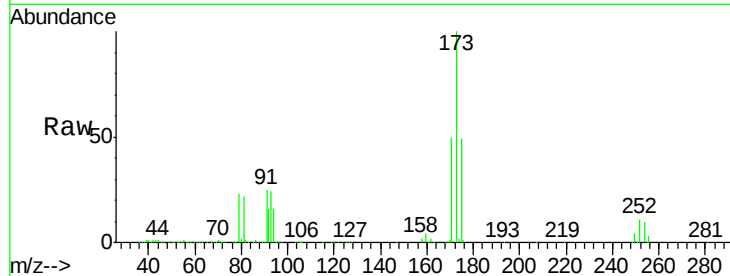
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	49.3	23.8	71.4		
254	0.0	0.1	0.1#		

Manual Integrations
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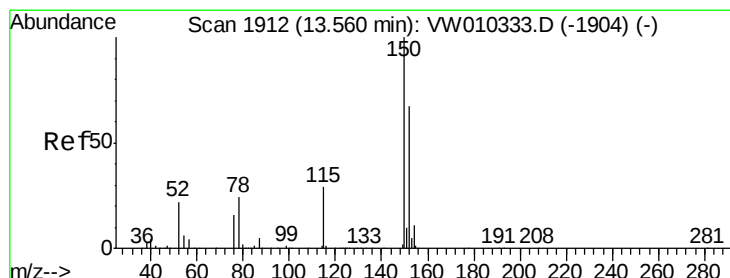
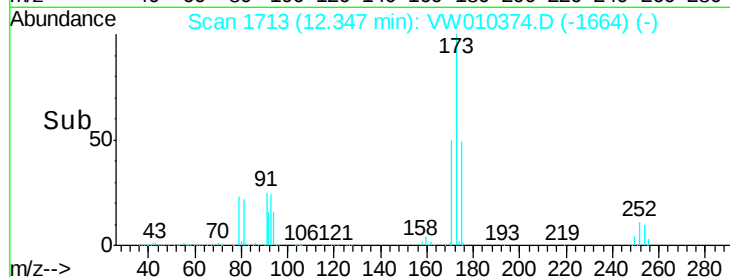
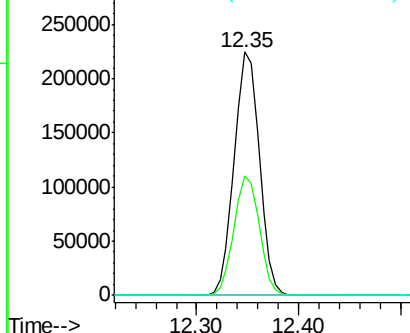


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

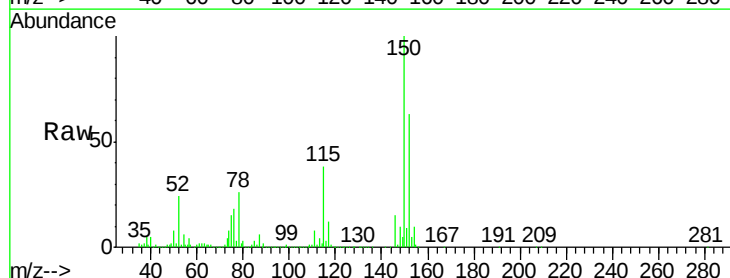
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	59.2	30.4	91.2		
150	171.6	0.0	347.0		

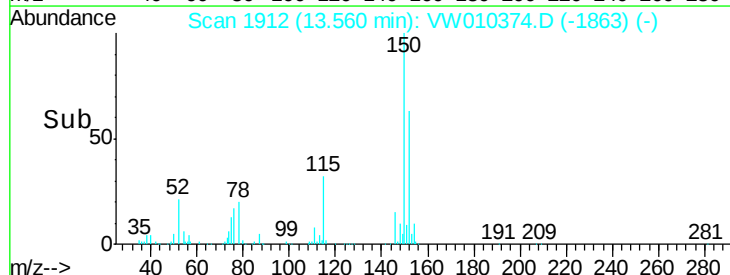
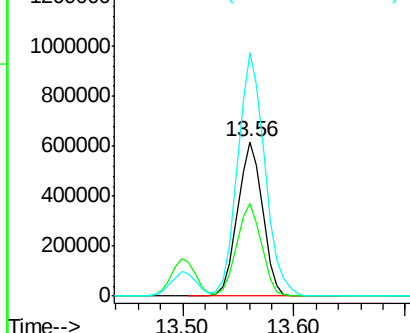


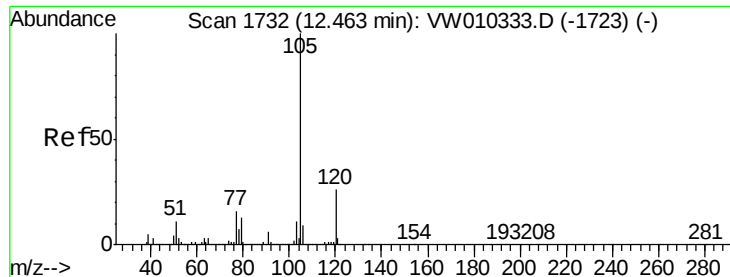
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





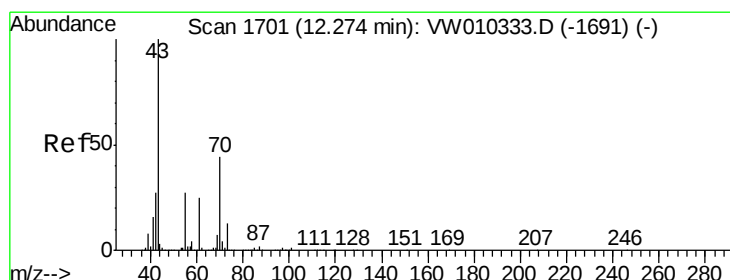
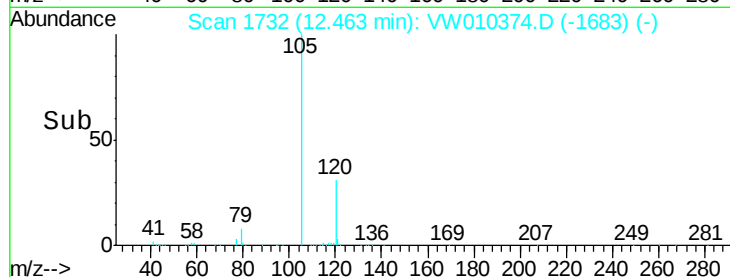
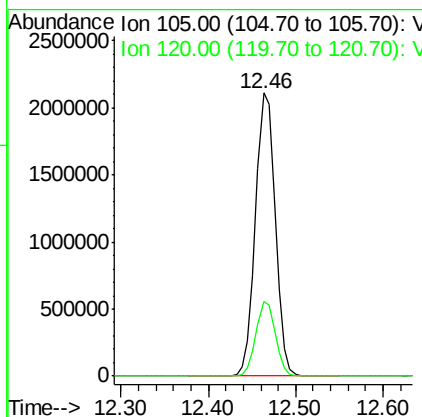
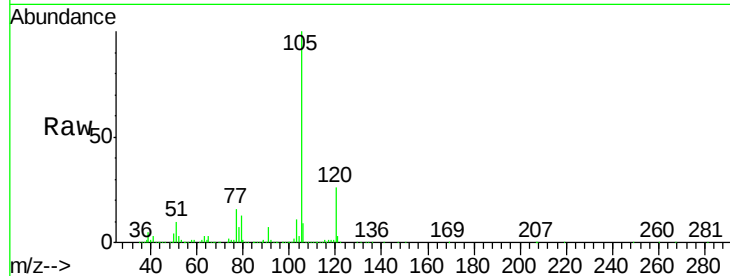
#73
Isopropylbenzene
Concen: 47.288 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 3304690
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.1

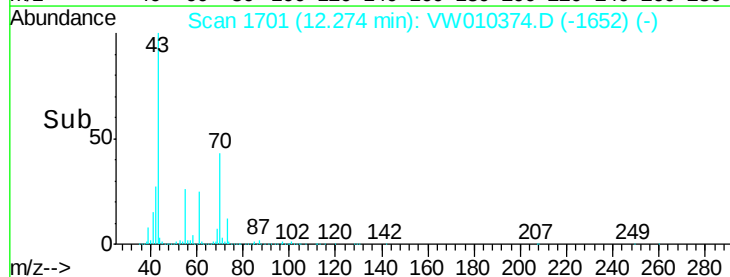
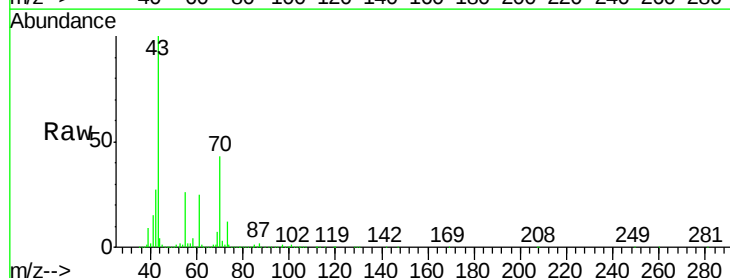
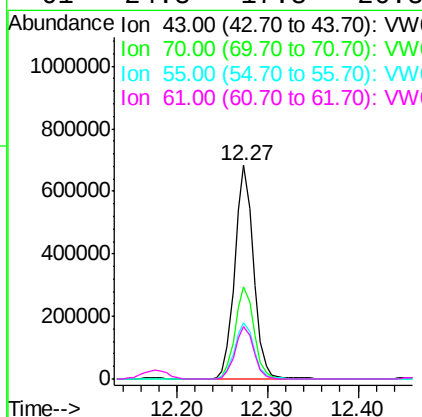
Manual Integrations
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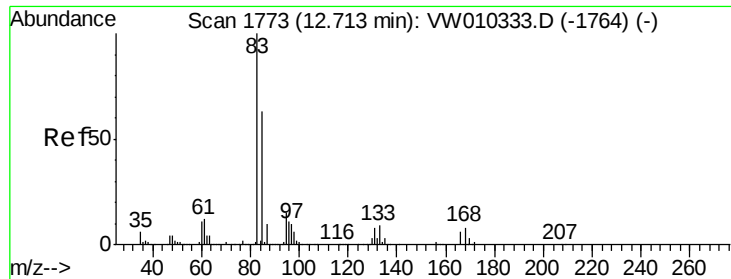
MMDadoda
5/11/2019 12:12:38 PM



#74
N-ethyl acetate
Concen: 54.416 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion: 43 Resp: 982456
Ion Ratio Lower Upper
43 100
70 43.8 31.3 46.9
55 27.4 20.0 30.0
61 24.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.054 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

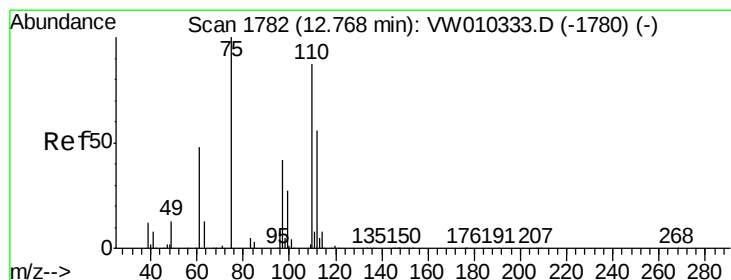
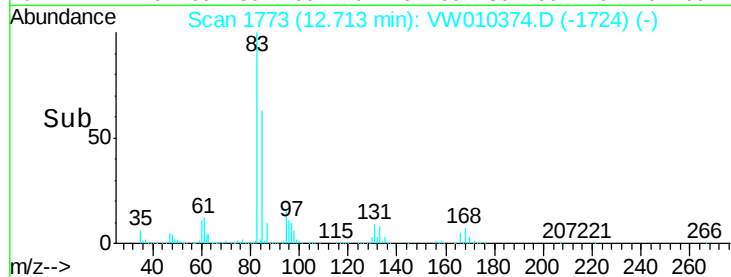
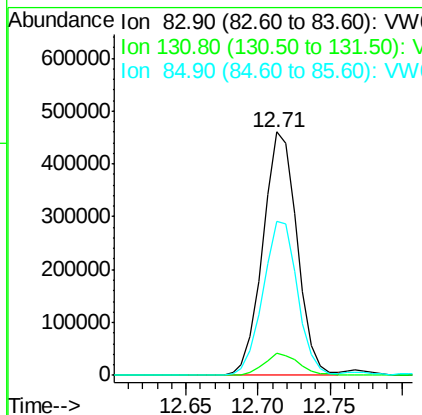
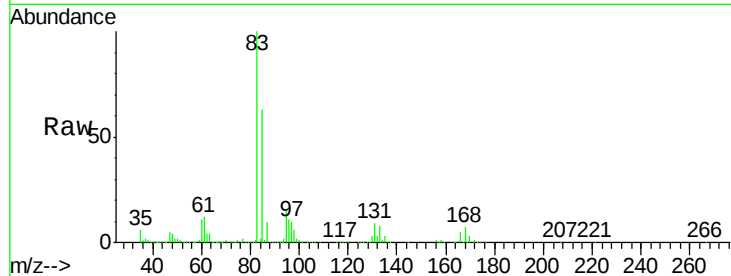
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	755333
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.3	15.8
85	64.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.634 ug/l m

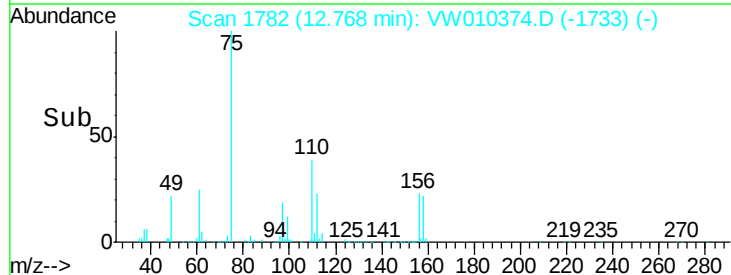
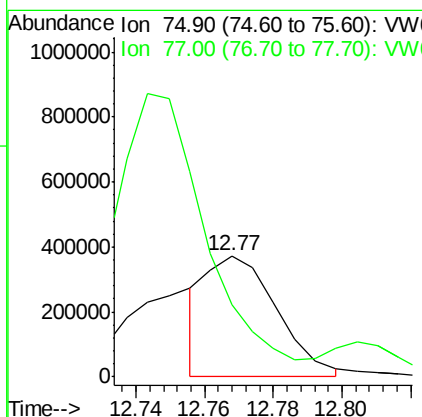
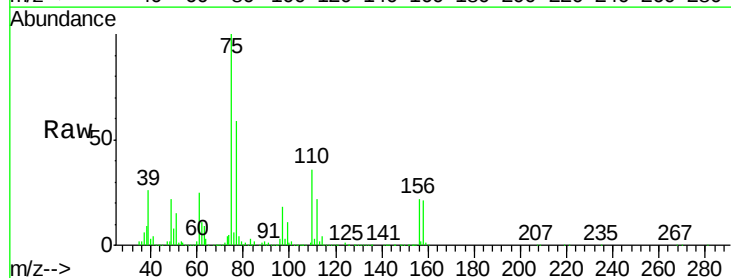
RT: 12.77 min Scan# 1782

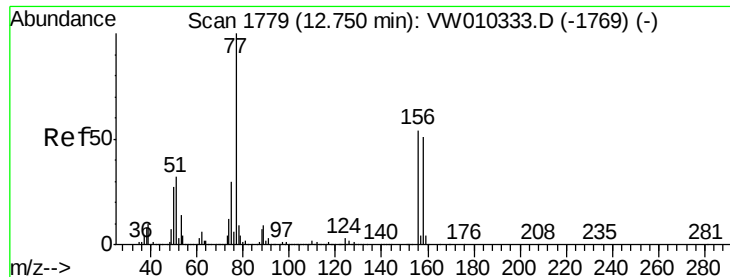
Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	75	Resp:	532468
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.960 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

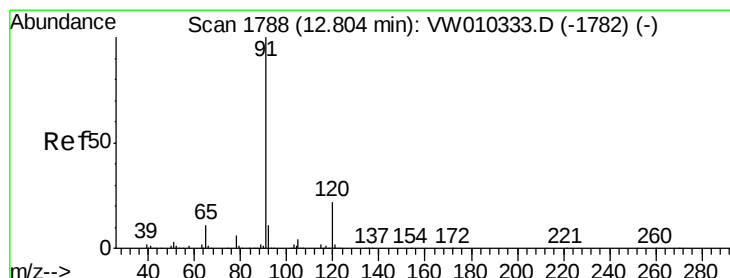
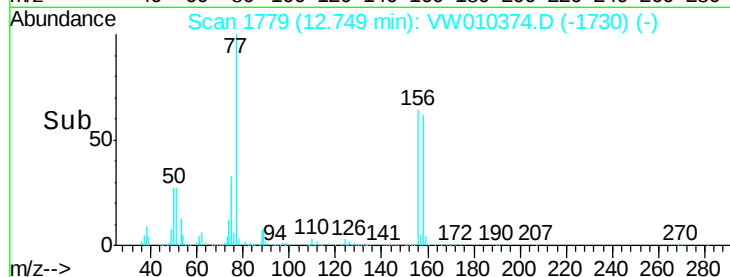
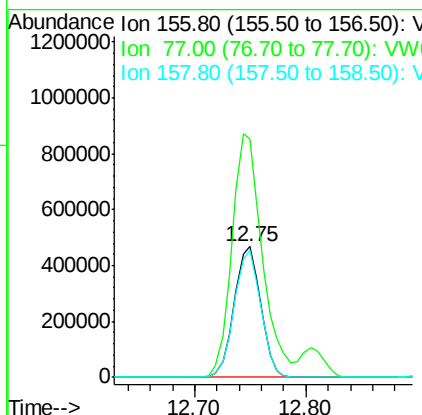
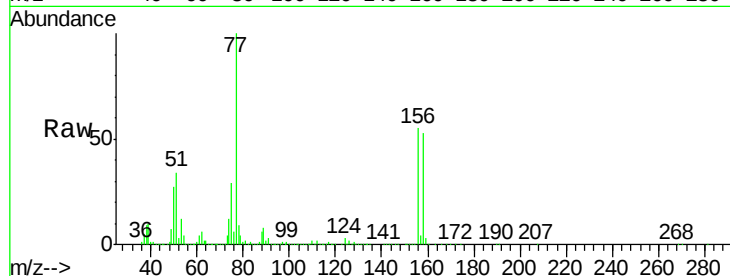
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	772555
Ion Ratio	Lower	Upper	
156	100		
77	211.7	102.5	307.4
158	97.0	48.8	146.4

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#78

n-propylbenzene

Concen: 46.920 ug/l

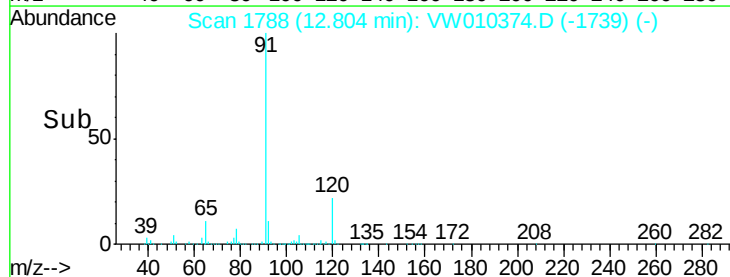
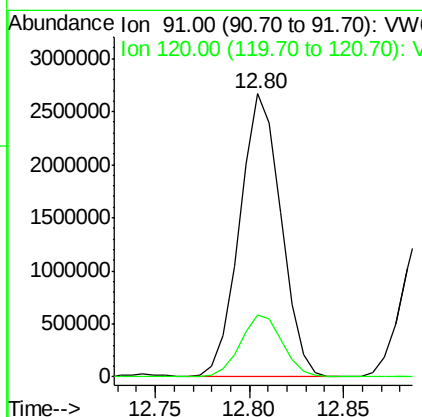
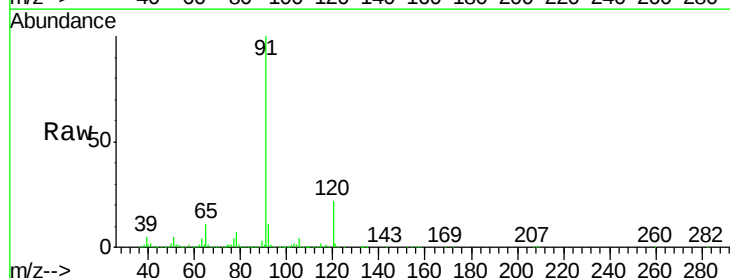
RT: 12.80 min Scan# 1788

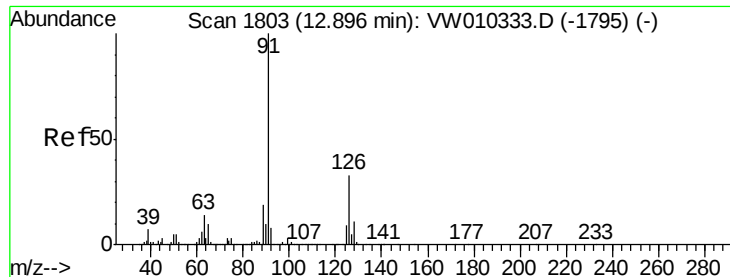
Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	91	Resp:	4049823
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 47.599 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2339685

Ion Ratio Lower Upper

91 100

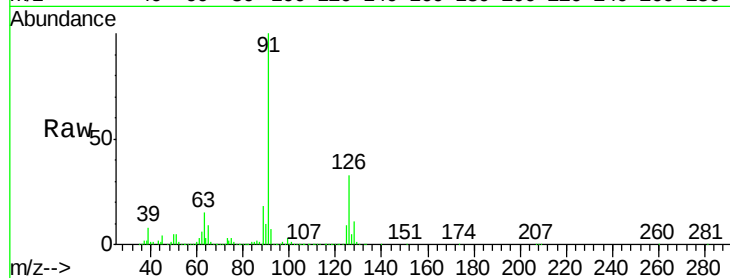
126 31.9 16.3 48.8

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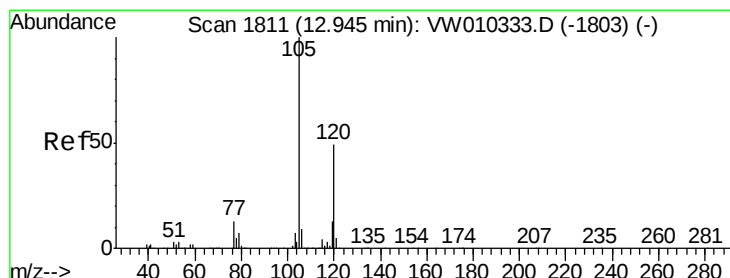
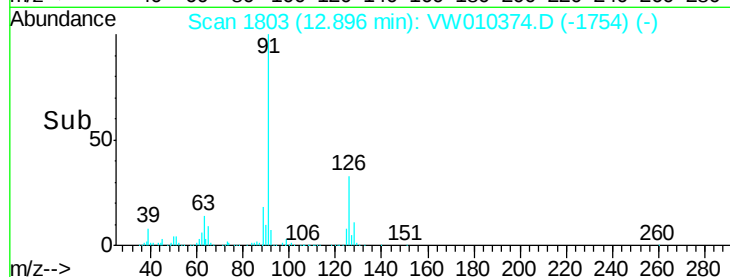
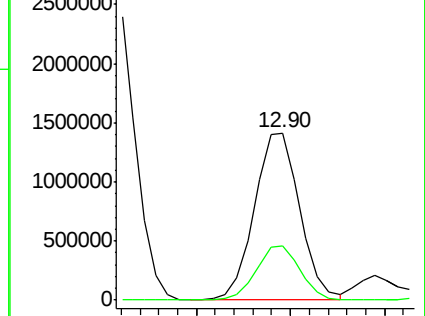
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.496 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010374.D

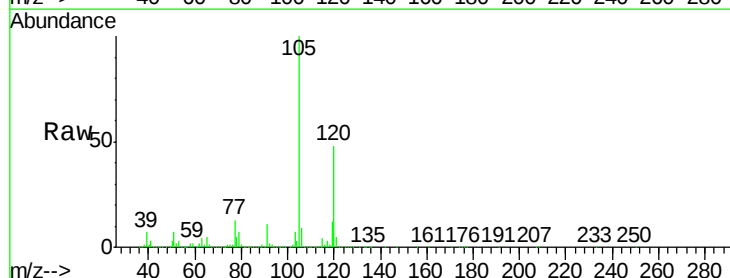
Acq: 10 May 2019 23:43

Tgt Ion:105 Resp: 2857185

Ion Ratio Lower Upper

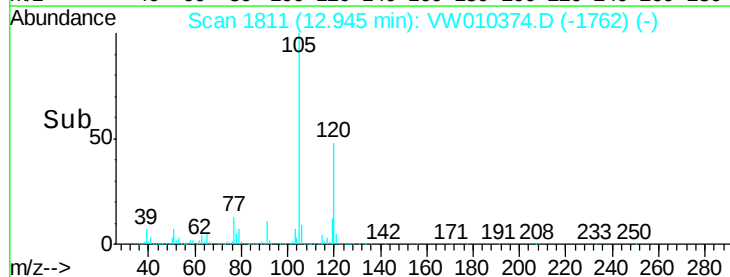
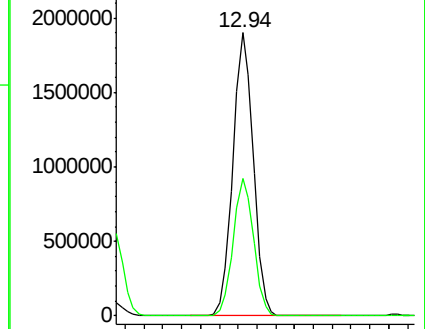
105 100

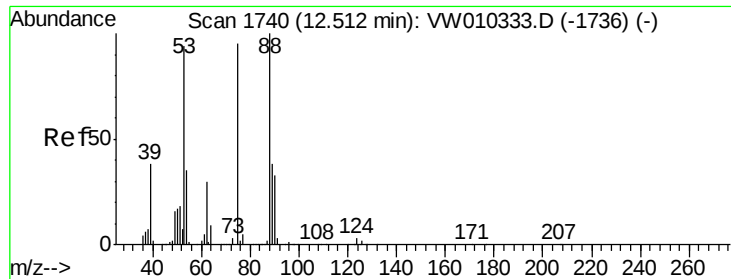
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.611 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

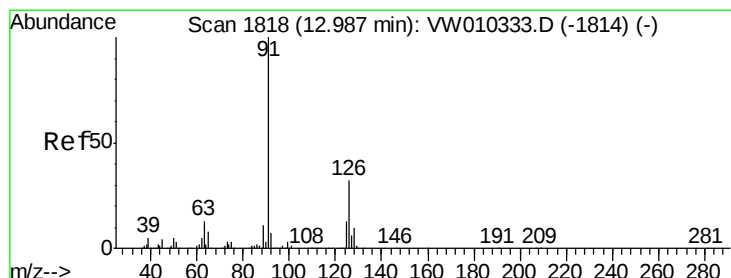
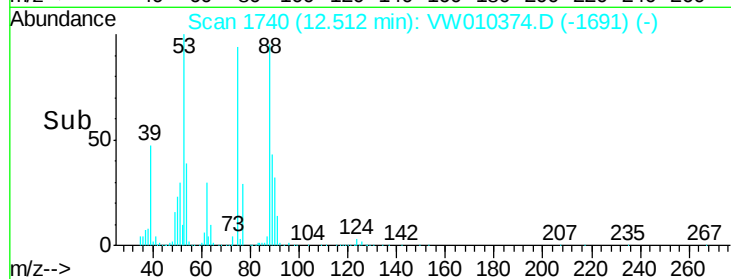
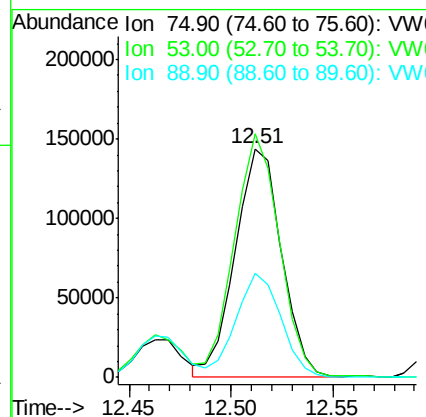
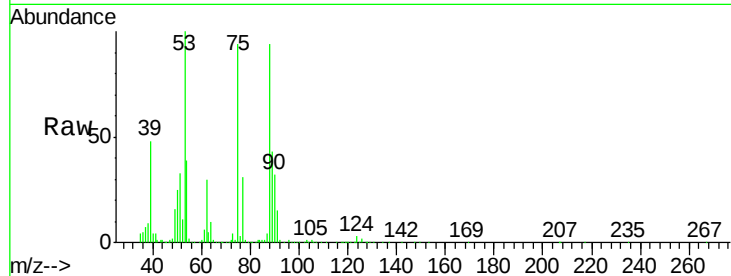
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	225767
Ion Ratio	Lower	Upper	
75	100		
53	103.8	89.8	134.8
89	44.3	36.6	54.8

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#82

4-Chlorotoluene

Concen: 47.689 ug/l

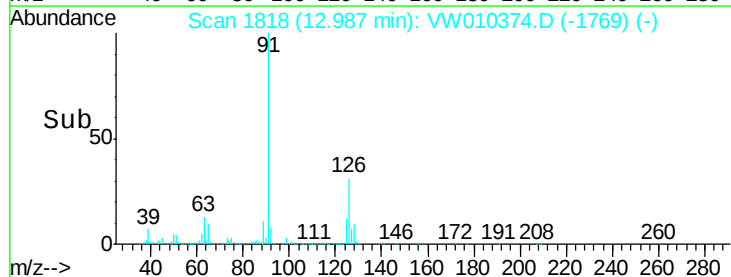
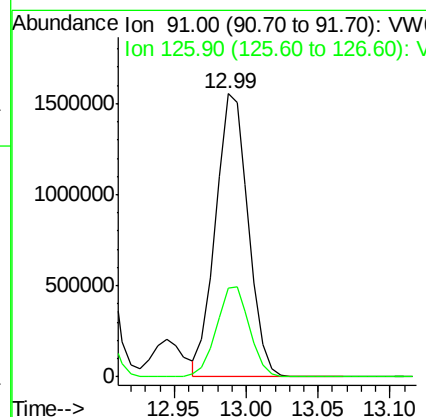
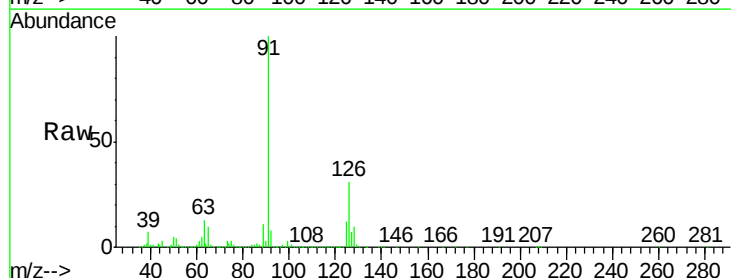
RT: 12.99 min Scan# 1818

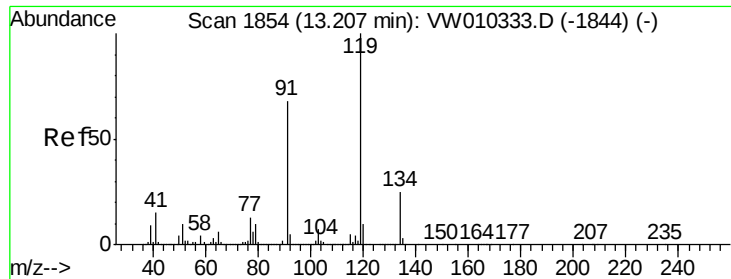
Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	91	Resp:	2456054
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.4	49.1





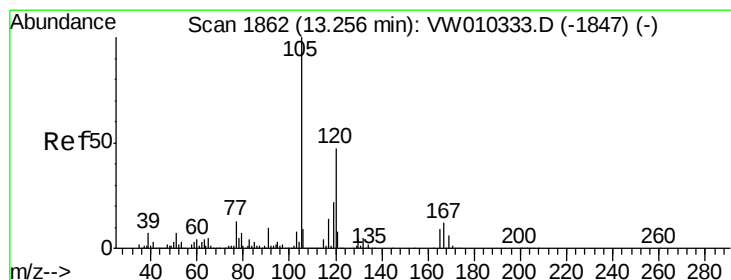
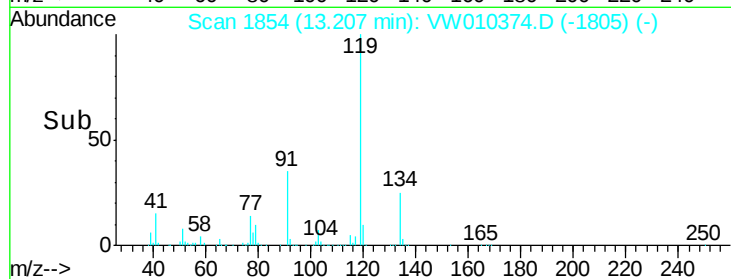
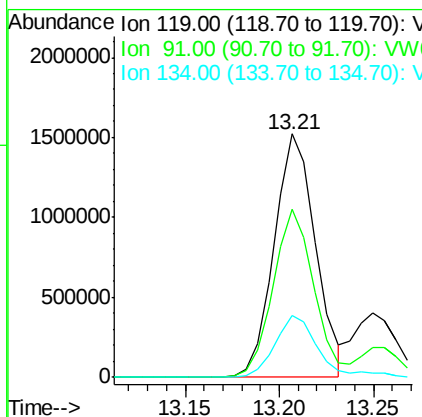
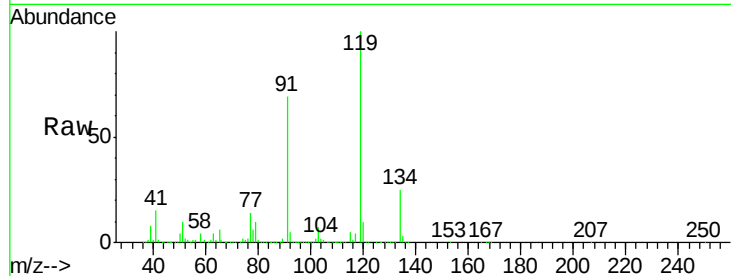
#83
tert-Butylbenzene
Concen: 47.186 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 2318782
Ion Ratio Lower Upper
119 100
91 68.7 34.8 104.4
134 26.8 13.7 41.1

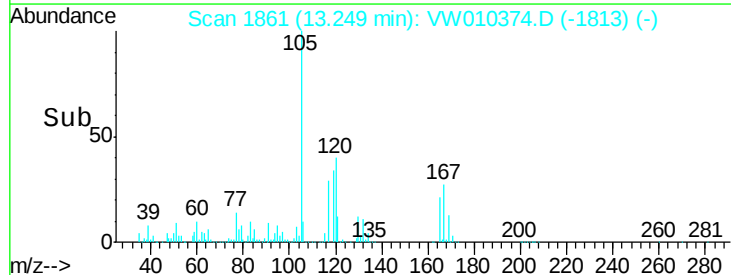
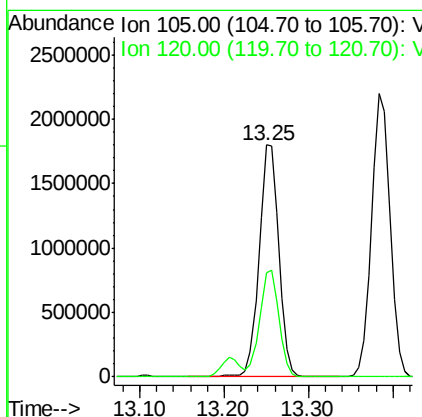
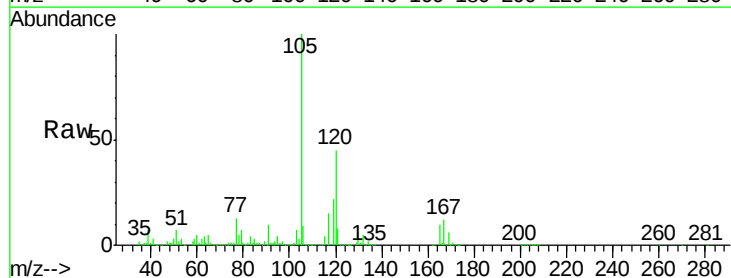
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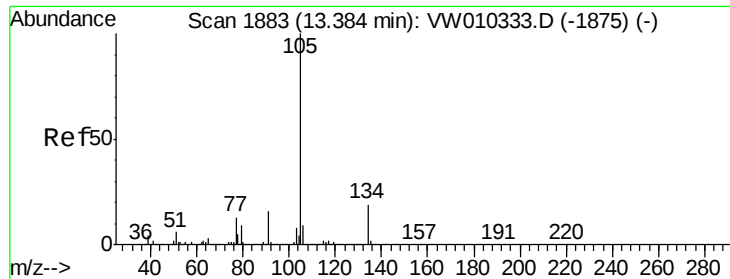
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#84
1,2,4-Trimethylbenzene
Concen: 49.300 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion:105 Resp: 2886271
Ion Ratio Lower Upper
105 100
120 45.0 22.6 67.7





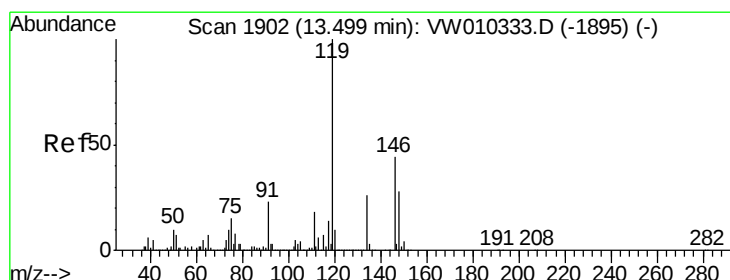
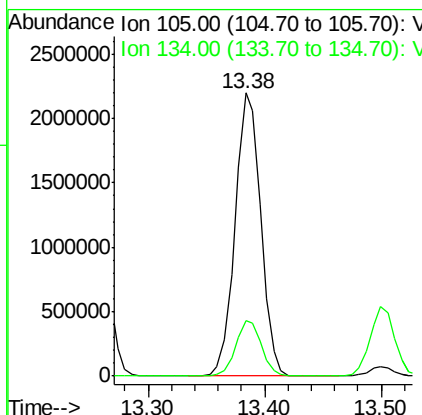
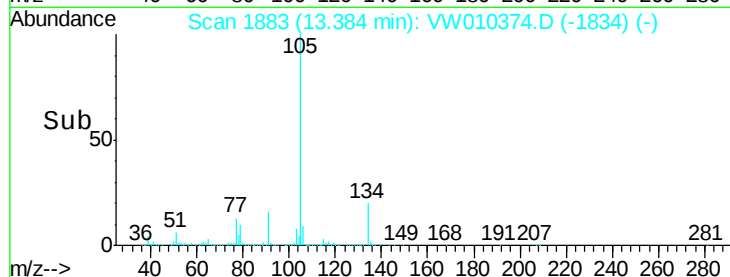
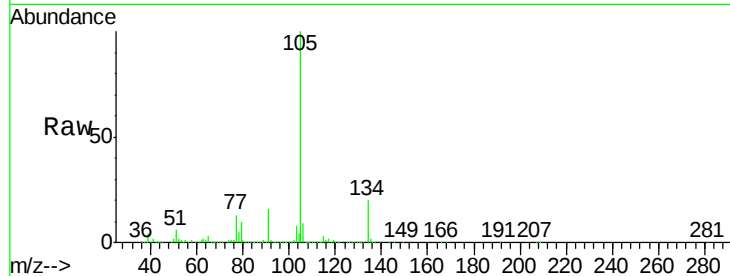
#85
 sec-Butylbenzene
 Concen: 46.406 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:105 Resp: 3366477
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

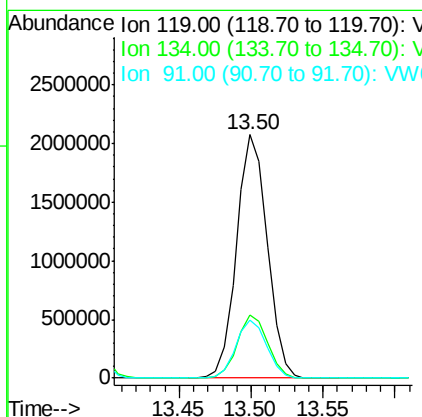
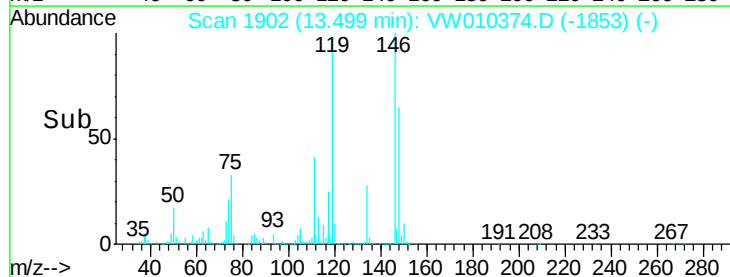
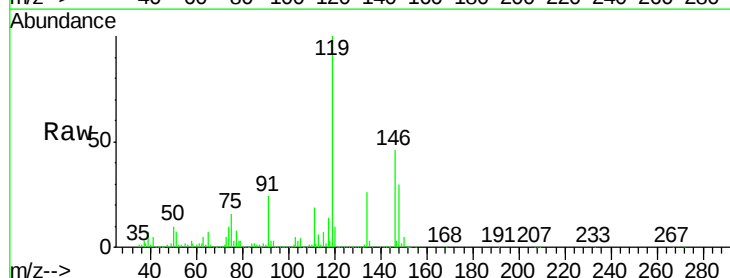
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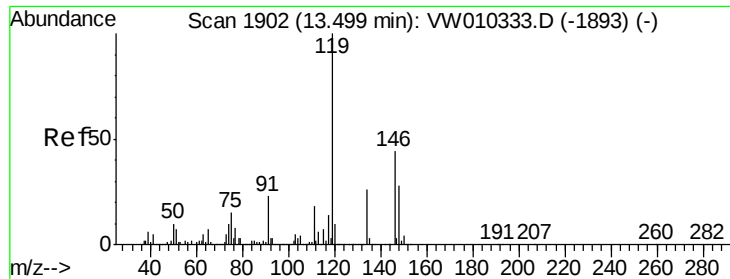
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#86
 p-Isopropyltoluene
 Concen: 47.543 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion:119 Resp: 3062273
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 23.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 47.917 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1509826

Ion Ratio Lower Upper

146 100

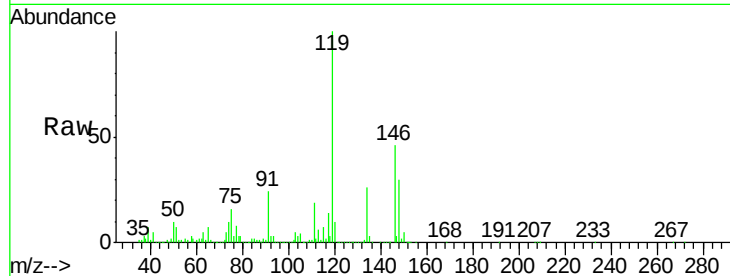
111 41.2 20.3 61.0

148 64.2 32.0 96.2

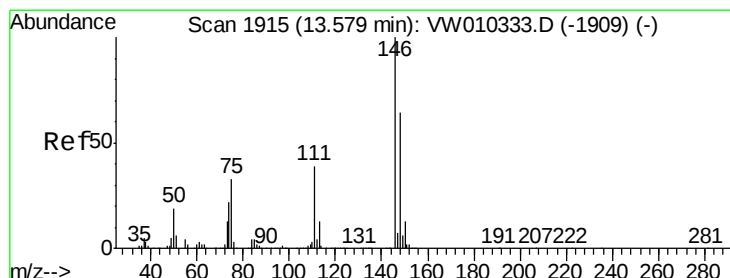
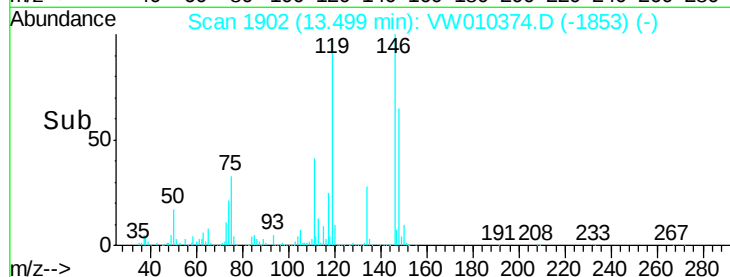
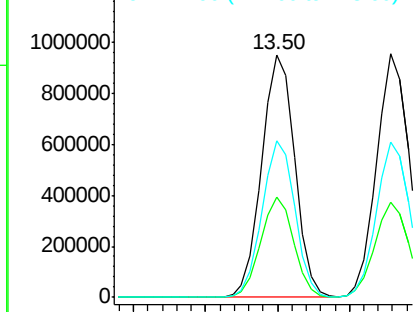
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.715 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

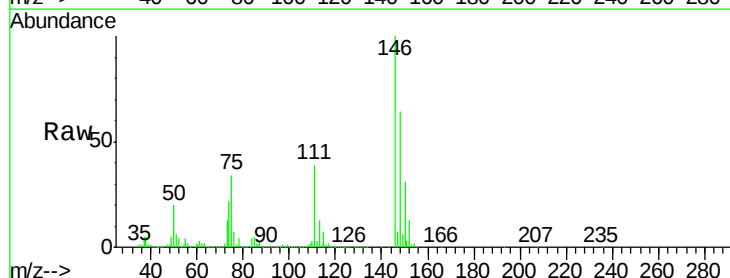
Tgt Ion:146 Resp: 1491997

Ion Ratio Lower Upper

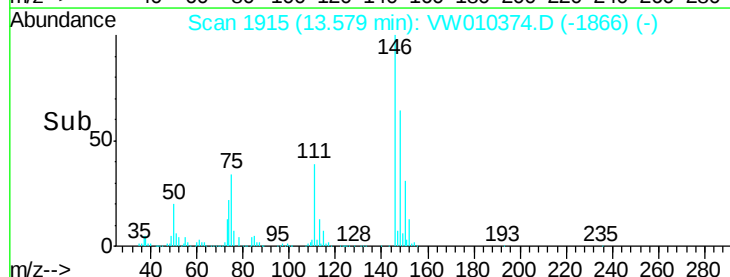
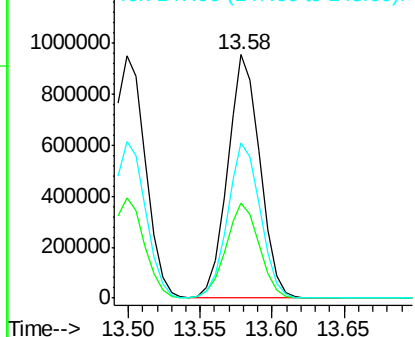
146 100

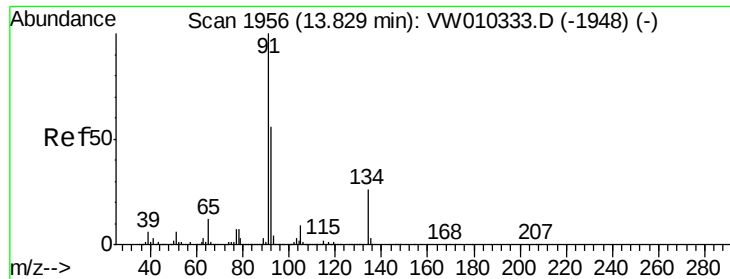
111 40.0 20.1 60.3

148 64.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.388 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2995917

Ion Ratio Lower Upper

91 100

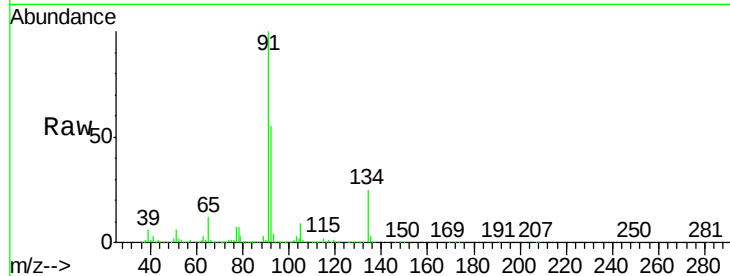
92 54.8 26.5 79.4

134 24.9 12.4 37.0

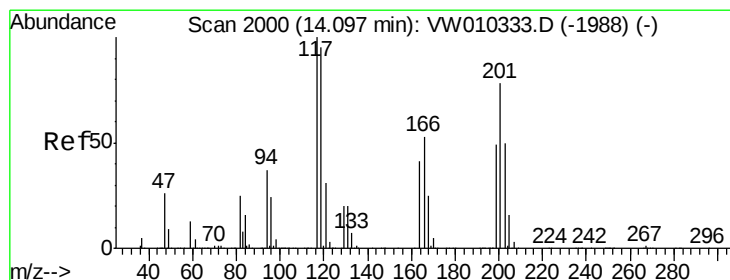
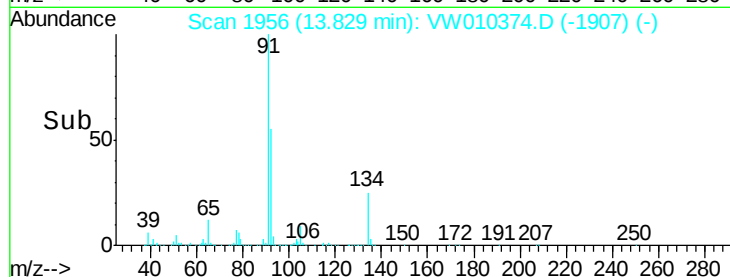
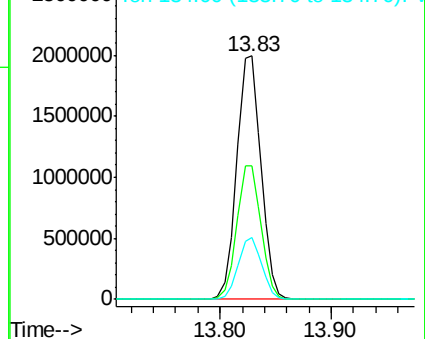
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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 45.694 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010374.D

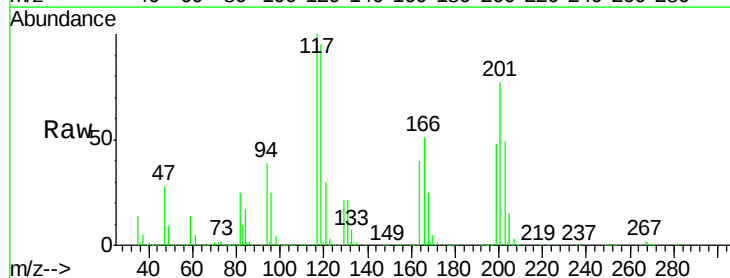
Acq: 10 May 2019 23:43

Tgt Ion: 117 Resp: 545883

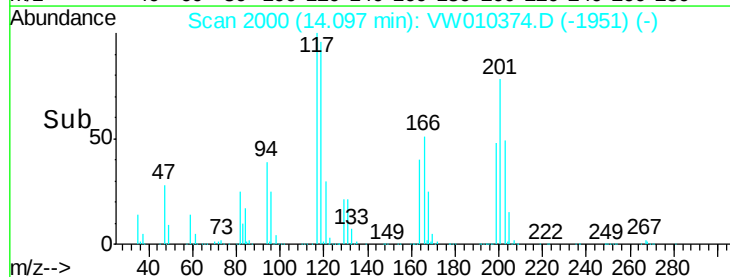
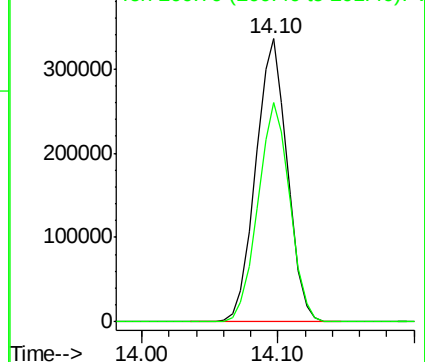
Ion Ratio Lower Upper

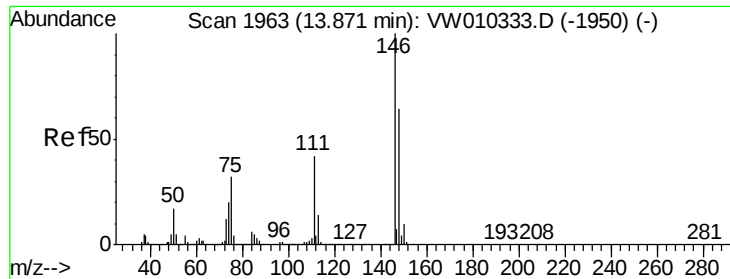
117 100

201 78.1 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Instrument :

MSVOA_W

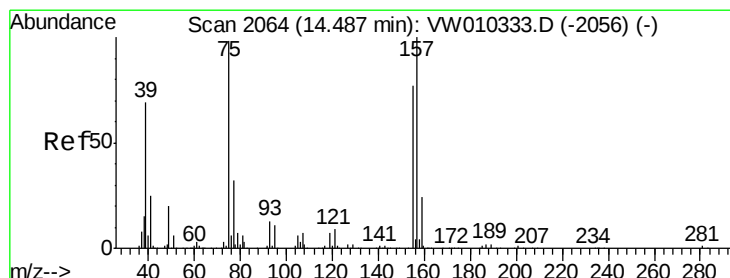
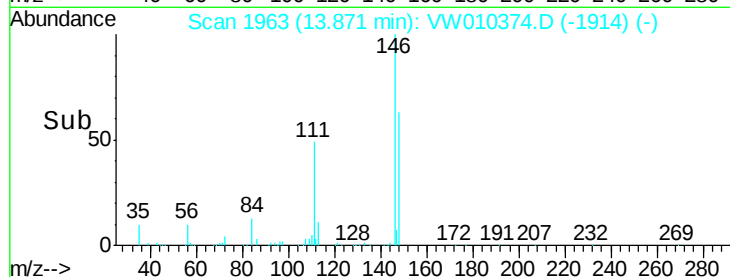
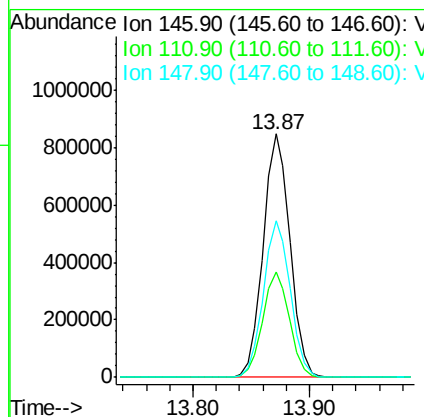
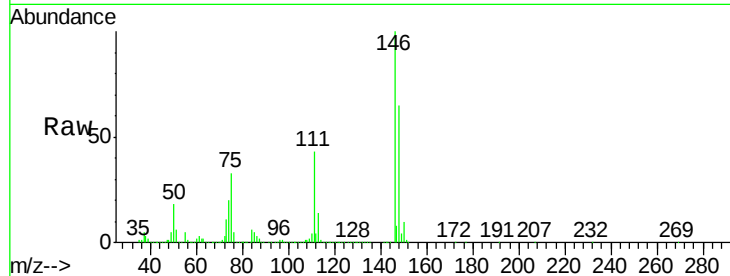
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	1361067
Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.9	62.8
148	64.4	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.124 ug/l

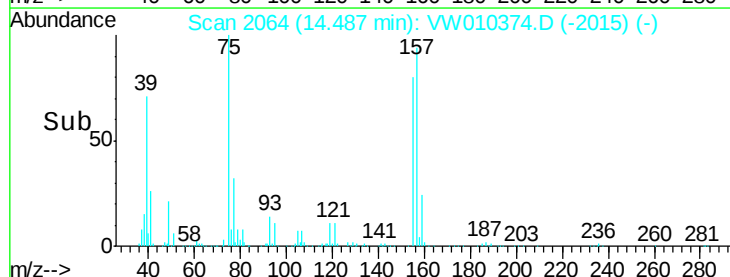
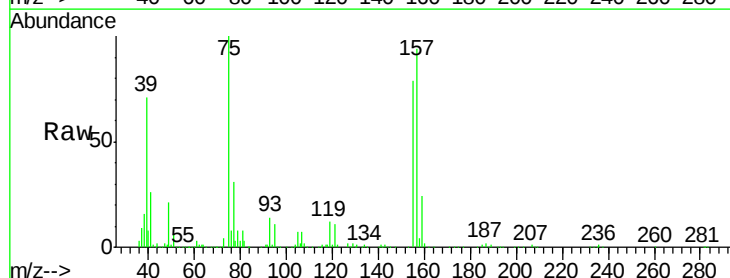
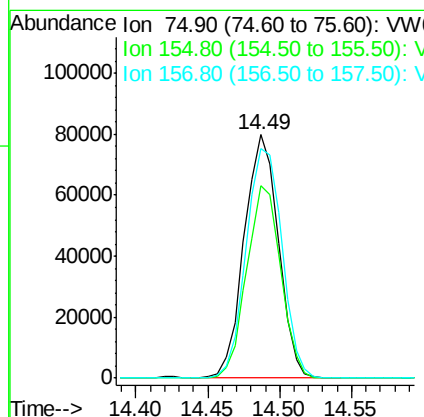
RT: 14.49 min Scan# 2064

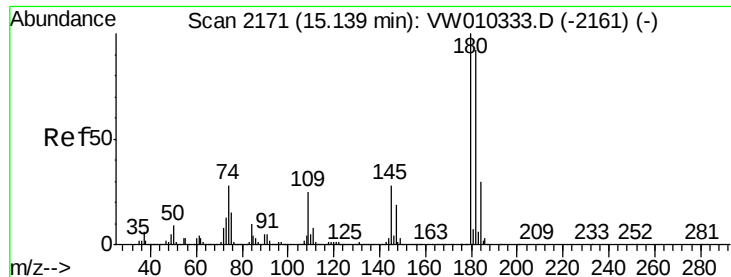
Delta R.T. -0.00 min

Lab File: VW010374.D

Acq: 10 May 2019 23:43

Tgt Ion:	75	Resp:	130666
Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.1	111.5
157	99.4	47.3	141.9





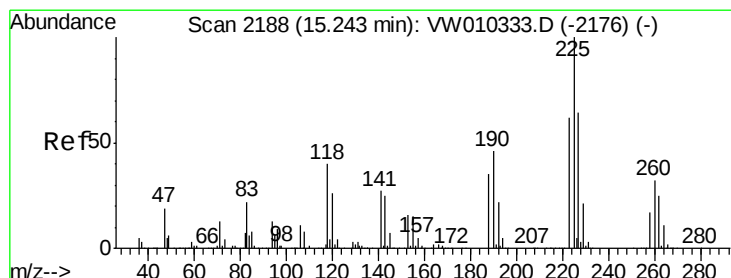
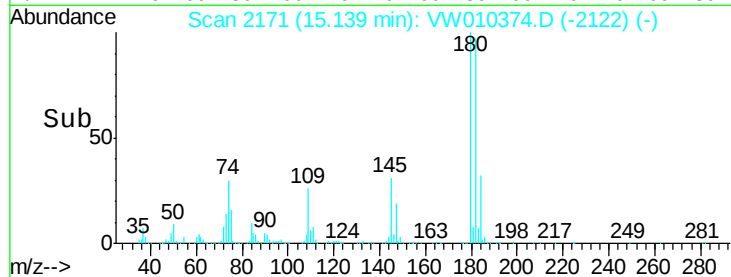
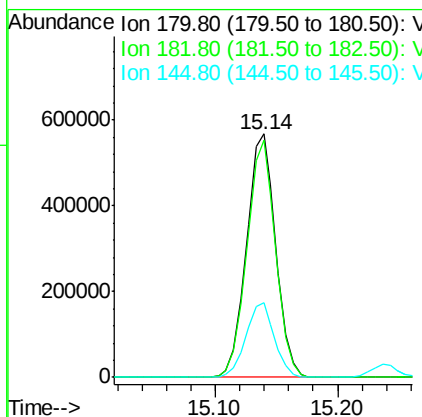
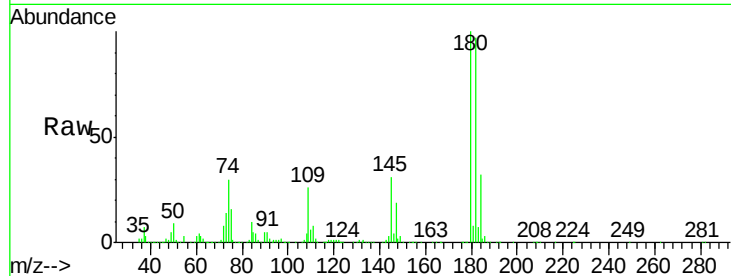
#93
 1,2,4-Trichlorobenzene
 Concen: 49.295 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.1	141.4	
145	30.0	15.2	45.6	

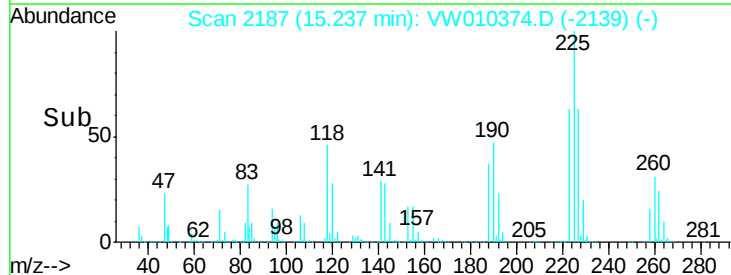
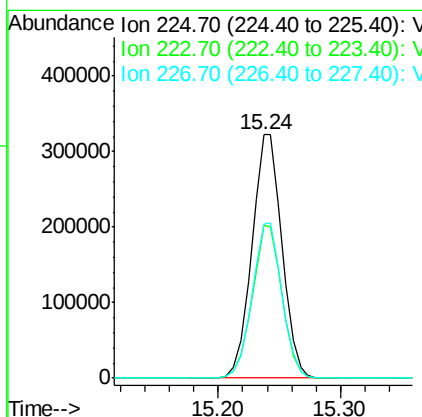
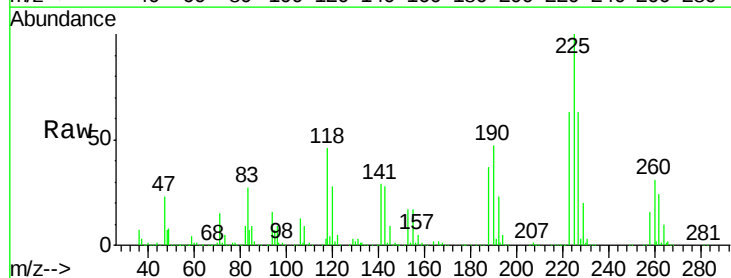
Manual Integrations
 APPROVED

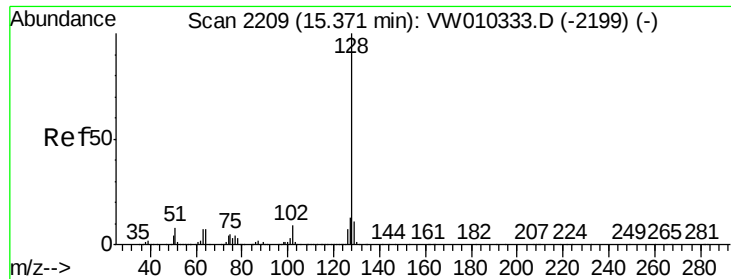
MMDadoda
 5/11/2019 12:12:38 PM



#94
 Hexachlorobutadiene
 Concen: 45.072 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010374.D
 Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.9	95.5	
227	63.2	31.8	95.3	





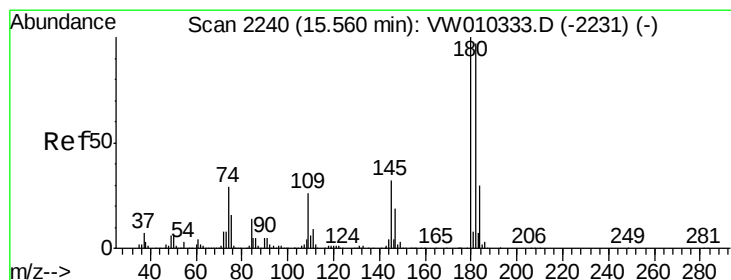
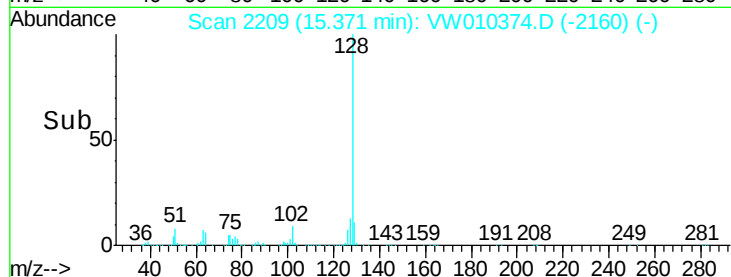
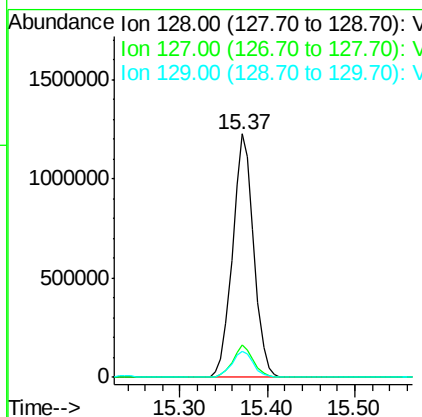
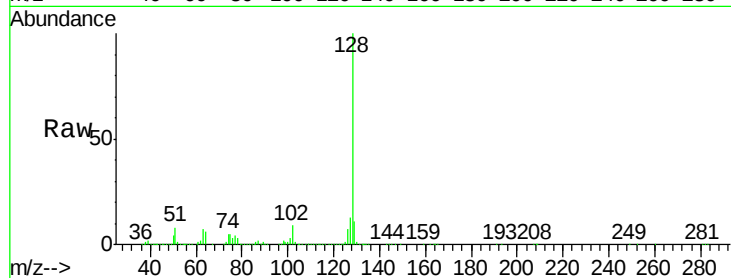
#95
Naphthalene
Concen: 47.772 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/11/2019 12:12:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.902 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010374.D
Acq: 10 May 2019 23:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	32.1	16.4	49.2

