

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009051.D
 Acq On : 07 Mar 2019 20:50
 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
 3/8/2019 12:06:14 PM

Quant Time: Mar 08 06:49:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	213281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142400	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	7.88	113	119531	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.32	98	507682	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.62	95	197003	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	110629	42.031	ug/l	98
3) Chloromethane	2.21	50	156562	46.823	ug/l	98
4) Vinyl Chloride	2.35	62	156586	46.146	ug/l	95
5) Bromomethane	2.76	94	138253	48.267	ug/l	96
6) Chloroethane	2.91	64	112789	46.690	ug/l	98
7) Trichlorofluoromethane	3.26	101	193638	44.320	ug/l	100
8) Diethyl Ether	3.68	74	67268	50.354	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119645	43.969	ug/l	97
10) Methyl Iodide	4.27	142	133796	45.627	ug/l	99
11) Tert butyl alcohol	5.18	59	52555	261.006	ug/l	98
12) 1,1-Dichloroethene	4.04	96	106613	45.421	ug/l	95
13) Acrolein	3.89	56	54313	245.124	ug/l	99
14) Allyl chloride	4.67	41	194108	46.882	ug/l	99
15) Acrylonitrile	5.37	53	158250	271.414	ug/l	99
16) Acetone	4.13	43	150854	254.415	ug/l	90
17) Carbon Disulfide	4.38	76	367850	46.579	ug/l	100
18) Methyl Acetate	4.67	43	71037	52.099	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	317712	51.168	ug/l	97
20) Methylene Chloride	4.91	84	141863	50.964	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	125985	46.485	ug/l	98
22) Diisopropyl ether	6.31	45	411292	49.987	ug/l	98
23) Vinyl Acetate	6.26	43	1300277	253.949	ug/l	100
24) 1,1-Dichloroethane	6.21	63	224548	47.051	ug/l	98
25) 2-Butanone	7.17	43	215233	262.651	ug/l	99
26) 2,2-Dichloropropane	7.17	77	189343	43.647	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138848	47.701	ug/l	99
28) Bromochloromethane	7.51	49	104494	52.640	ug/l	98
29) Tetrahydrofuran	7.53	42	138269	267.753	ug/l	99
30) Chloroform	7.68	83	235852	48.001	ug/l	96
31) Cyclohexane	7.95	56	207881	42.422	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	207250	45.706	ug/l	99
36) 1,1-Dichloropropene	8.08	75	181371	45.750	ug/l	98
37) Ethyl Acetate	7.25	43	94891	50.959	ug/l	99
38) Carbon Tetrachloride	8.07	117	184655	45.102	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	222151	47.047	ug/l	97
40) Benzene	8.32	78	502640	47.496	ug/l	99
41) Methacrylonitrile	7.48	41	53731	51.961	ug/l	92
42) 1,2-Dichloroethane	8.40	62	164322	48.096	ug/l	100
43) Isopropyl Acetate	8.43	43	183764	52.986	ug/l	98
44) Trichloroethene	9.09	130	136370	45.976	ug/l	96
45) 1,2-Dichloropropane	9.37	63	127893	48.252	ug/l	98
46) Dibromomethane	9.46	93	70784	48.899	ug/l	97
47) Bromodichloromethane	9.64	83	175269	47.832	ug/l	95
48) Methyl methacrylate	9.43	41	85615	53.016	ug/l	93
49) 1,4-Dioxane	9.46	88	22220	1071.951	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	491576	279.199	ug/l	100
52) Toluene	10.39	92	352860	49.165	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	179528	49.537	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	202742	48.681	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	99061	50.490	ug/l	96
56) Ethyl methacrylate	10.65	69	136666	56.126	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172622	49.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	335329	265.646	ug/l	99
59) 2-Hexanone	10.97	43	356321	287.844	ug/l	99
60) Dibromochloromethane	11.13	129	122172	50.317	ug/l	97
61) 1,2-Dibromoethane	11.24	107	96190	50.011	ug/l	98
64) Tetrachloroethene	10.86	164	133670	48.798	ug/l	96
65) Chlorobenzene	11.66	112	395321	47.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	129407	46.877	ug/l	99
67) Ethyl Benzene	11.73	91	709025	47.471	ug/l	99
68) m/p-Xylenes	11.84	106	571220	96.891	ug/l	98
69) o-Xylene	12.16	106	267476	48.761	ug/l	98
70) Styrene	12.18	104	439514	49.522	ug/l	100
71) Bromoform	12.35	173	74673	50.378	ug/l #	100
73) Isopropylbenzene	12.46	105	728553	47.701	ug/l	100
74) N-amyl acetate	12.27	43	199893	55.285	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	122483	50.839	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	88841m	52.722	ug/l	
77) Bromobenzene	12.75	156	170920	48.977	ug/l	98
78) n-propylbenzene	12.80	91	901752	47.933	ug/l	99
79) 2-Chlorotoluene	12.89	91	515465	48.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	632619	48.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37769	50.133	ug/l	98
82) 4-Chlorotoluene	12.99	91	540862	48.003	ug/l	98
83) tert-Butylbenzene	13.21	119	537357	48.395	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	648540	48.697	ug/l	99
85) sec-Butylbenzene	13.38	105	798569	48.542	ug/l	100
86) p-Isopropyltoluene	13.50	119	708466	48.140	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	354723	48.367	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	349728	48.253	ug/l	100
89) n-Butylbenzene	13.83	91	673645	48.150	ug/l	99
90) Hexachloroethane	14.10	117	124099	48.893	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	320744	49.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23180	54.020	ug/l	98

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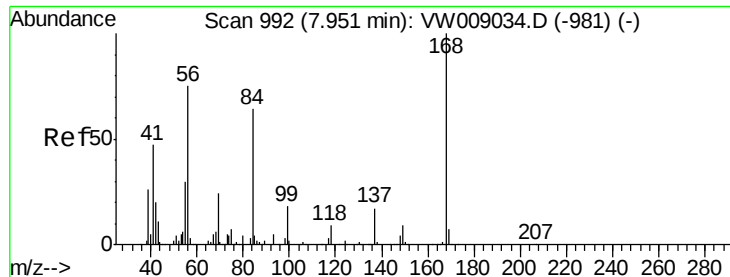
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	219483	50.225	ug/l	100
94) Hexachlorobutadiene	15.24	225	130976	47.851	ug/l	100
95) Naphthalene	15.37	128	396793	55.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	193417	50.335	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 261170

Ion Ratio Lower Upper

168 100

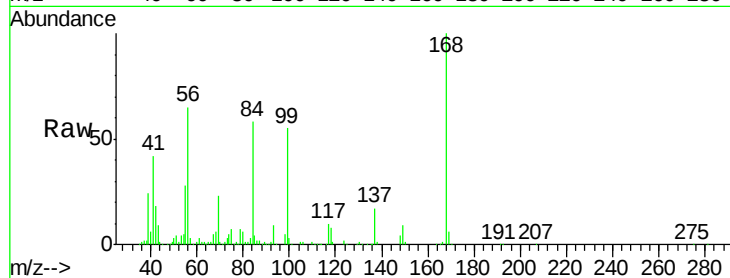
99 55.2 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

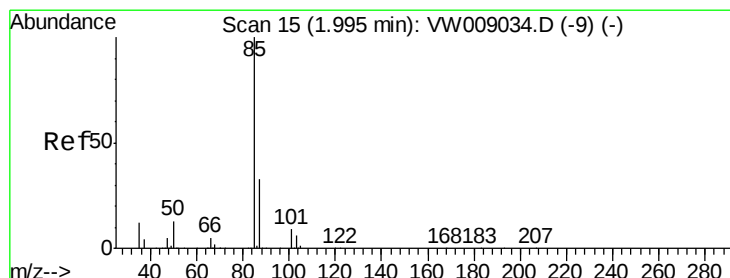
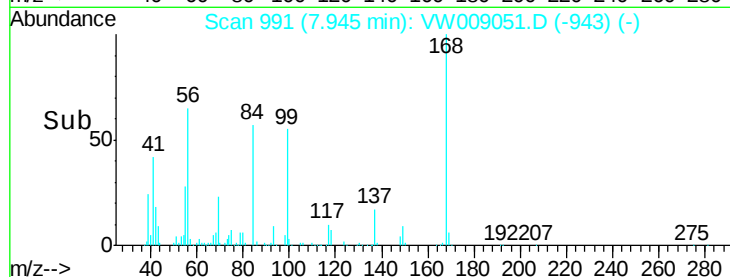
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 42.031 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009051.D

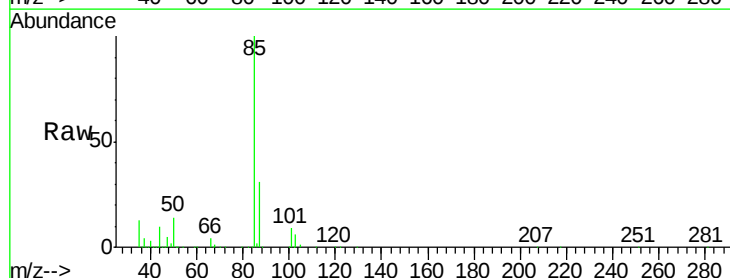
Acq: 07 Mar 2019 20:50

Tgt Ion: 85 Resp: 110629

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

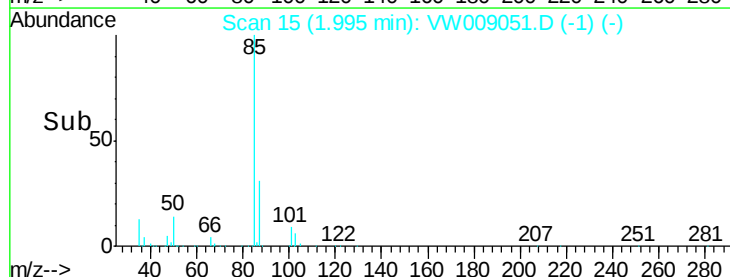
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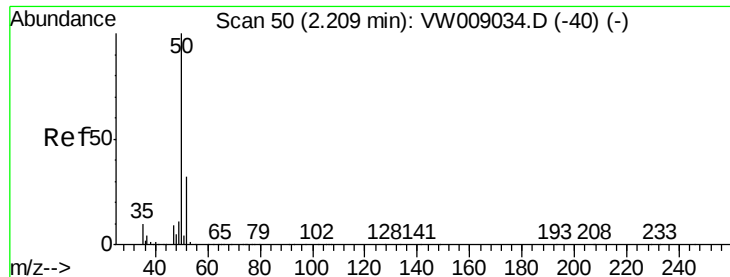
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 46.823 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 156562

Ion Ratio Lower Upper

50 100

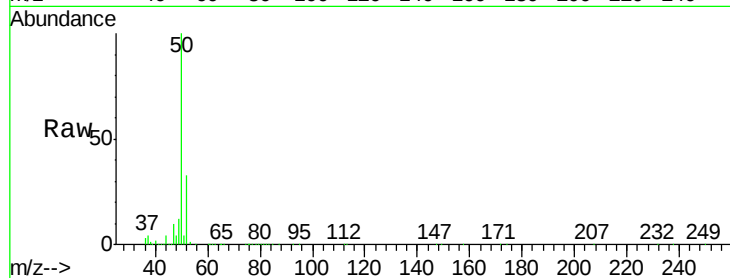
52 33.0 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

120000

100000

80000

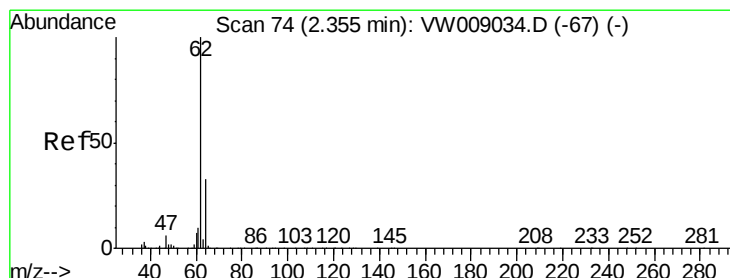
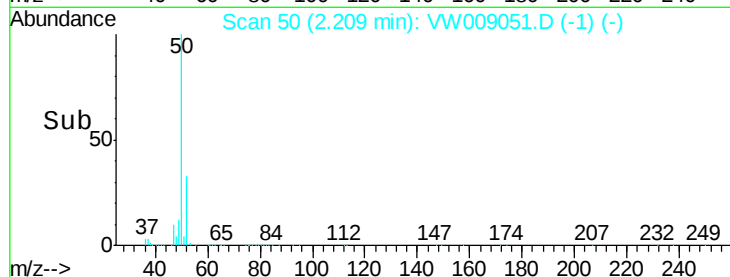
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 46.146 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009051.D

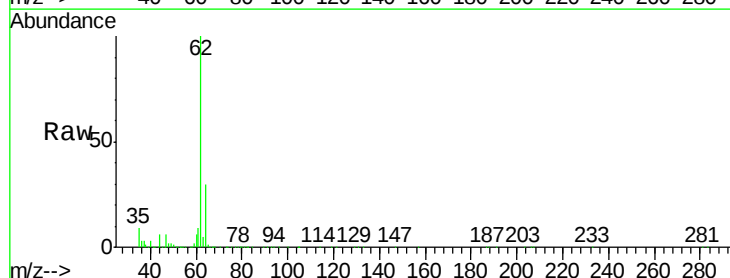
Acq: 07 Mar 2019 20:50

Tgt Ion: 62 Resp: 156586

Ion Ratio Lower Upper

62 100

64 29.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

100000

80000

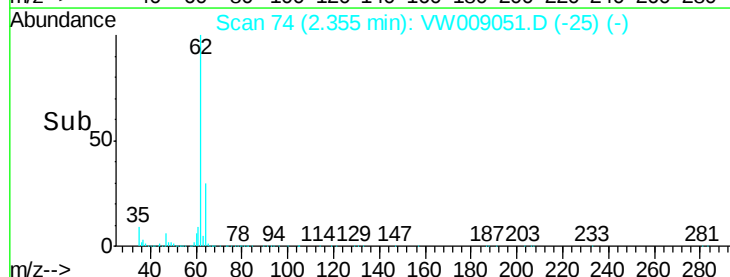
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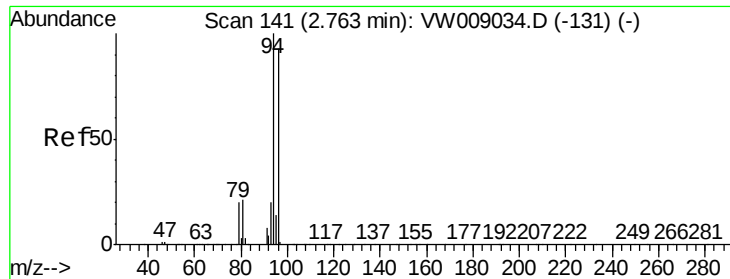
40000

20000

0

Time--> 2.30 2.40





#5

Bromomethane

Concen: 48.267 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tot Ion: 94 Resp: 138253

Ion Ratio Lower Upper

94 100

96 97.2 74.4 111.6

Instrument :

MSVOA_W

ClientSampleId :

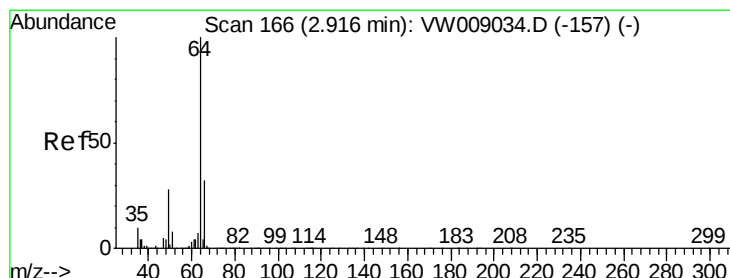
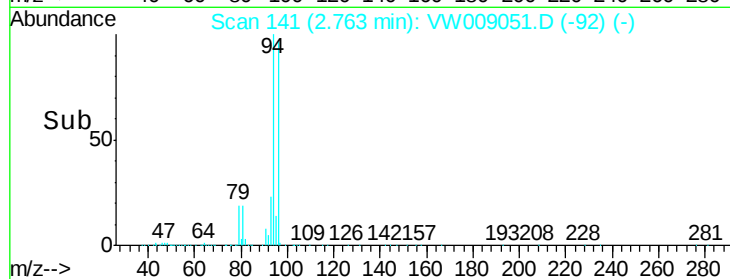
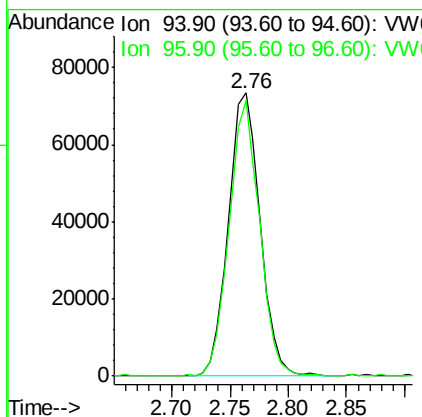
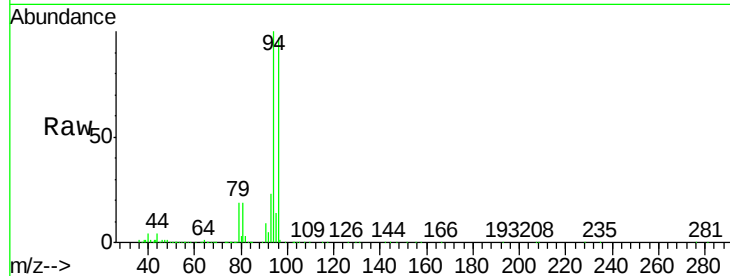
VSTDCCC050EC

Manual Integrations

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3/8/2019 12:06:14 PM



#6

Chloroethane

Concen: 46.690 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009051.D

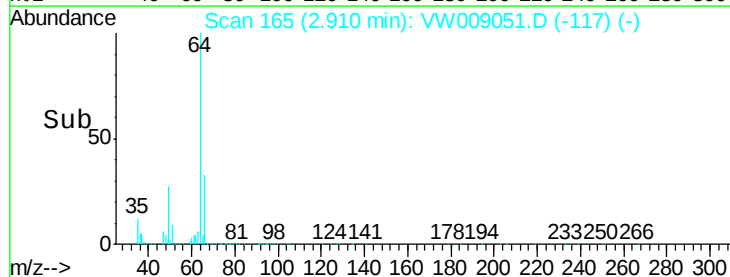
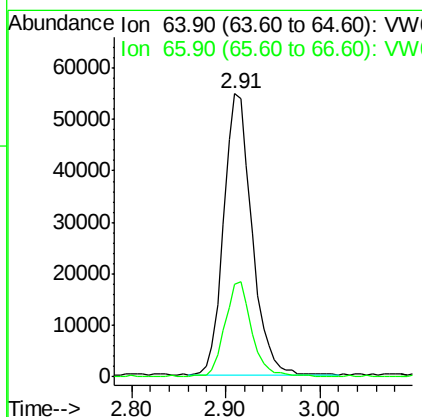
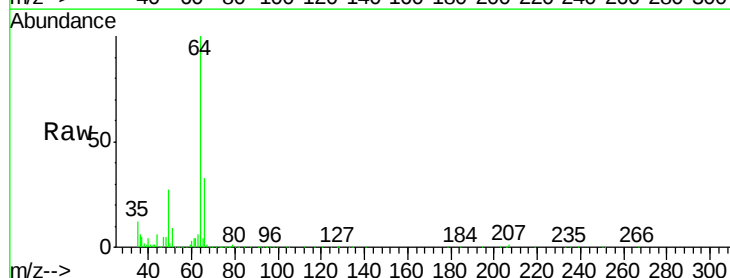
Acq: 07 Mar 2019 20:50

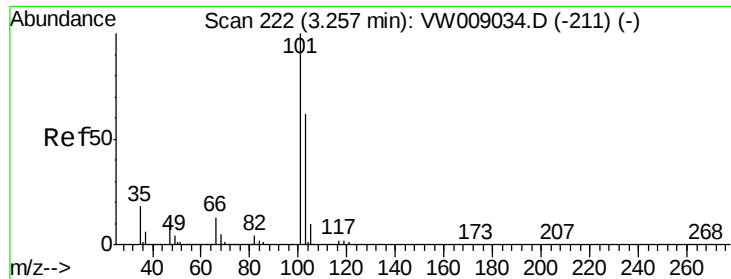
Tgt Ion: 64 Resp: 112789

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

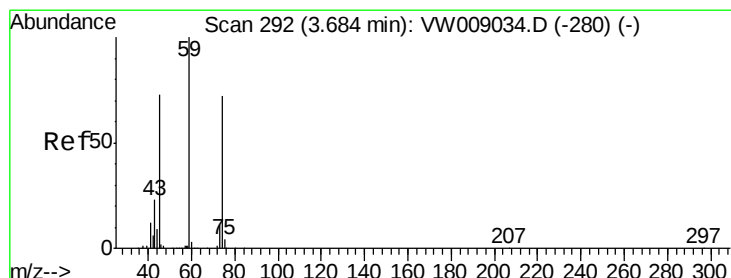
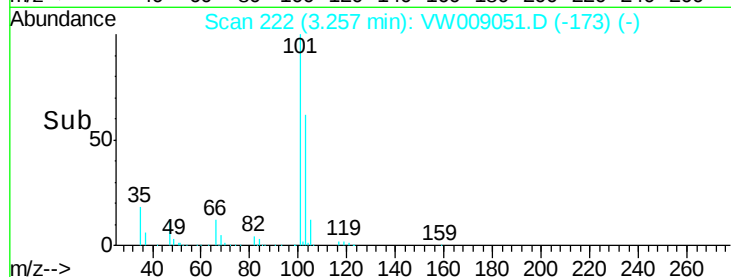
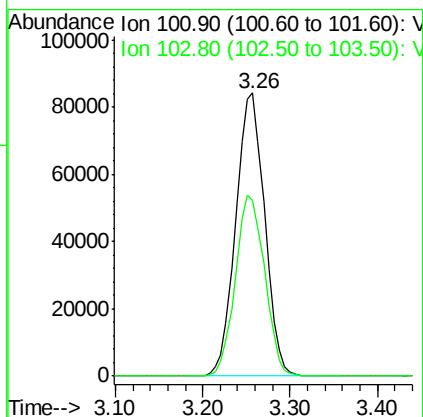
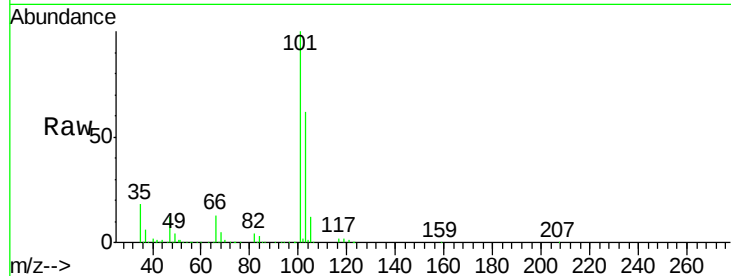
Trichlorofluoromethane
Concen: 44.320 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.9	74.9

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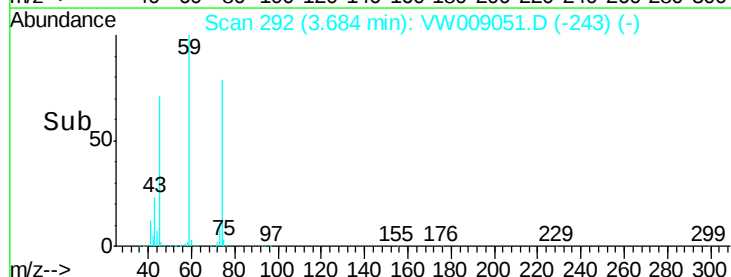
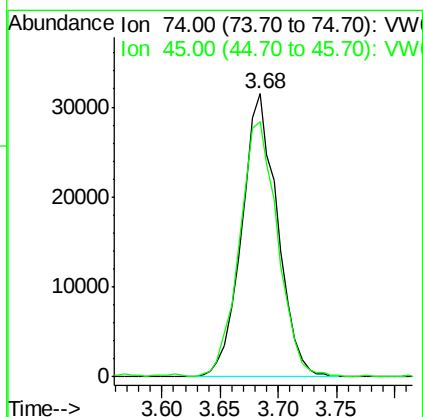
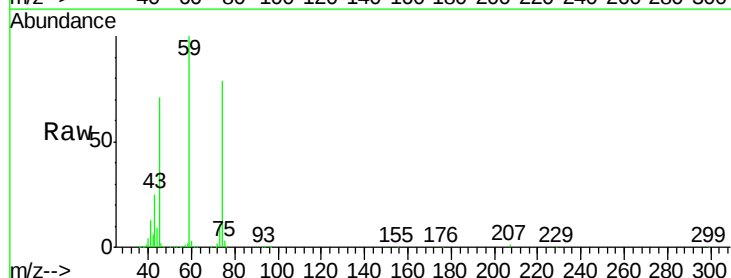
MMDadoda
3/8/2019 12:06:14 PM

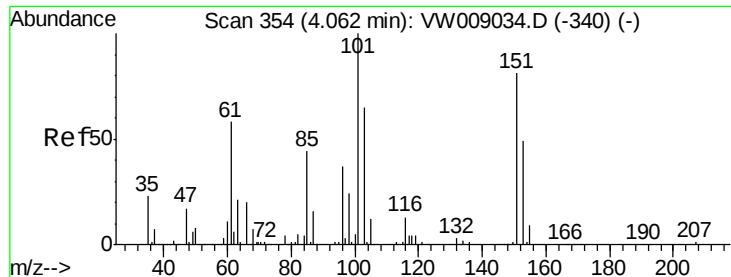


#8

Diethyl Ether
Concen: 50.354 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.969 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

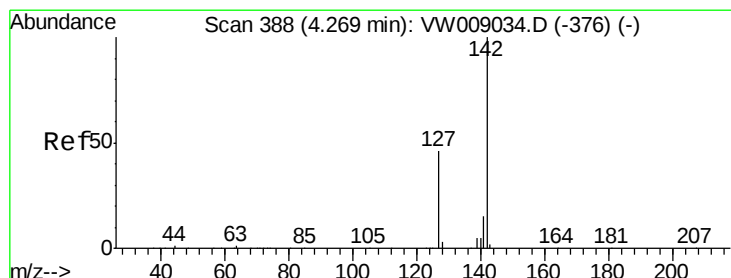
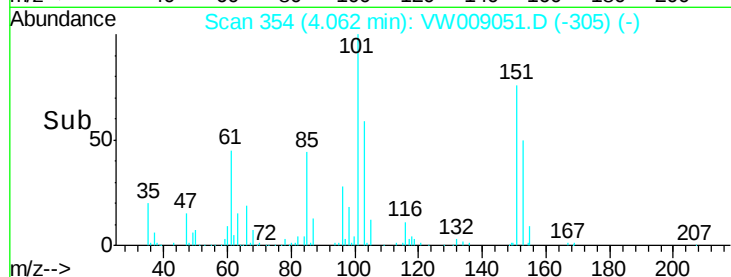
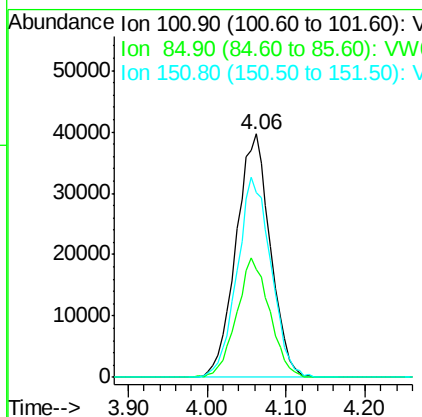
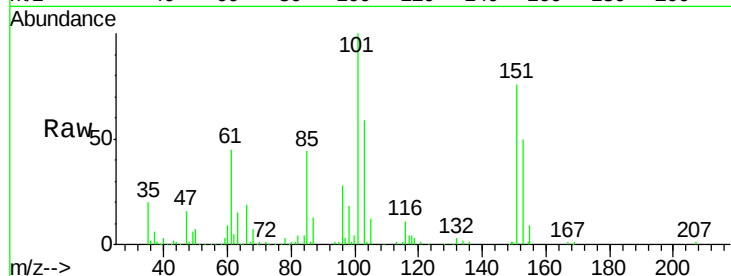
ClientSampled :

VSTDCCC050EC

Tot Ion:	101	Resp:	119645
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.2	54.4
151	81.3	63.4	95.2

Manual Integrations
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3/8/2019 12:06:14 PM



#10

Methyl Iodide

Concen: 45.627 ug/l

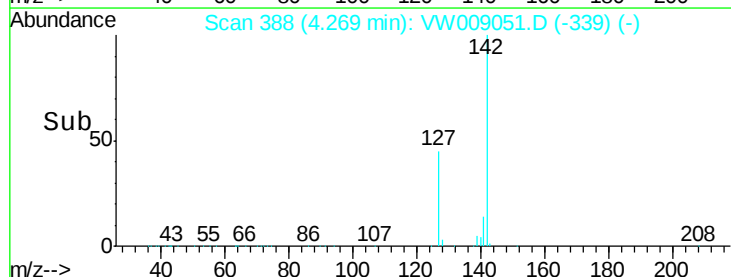
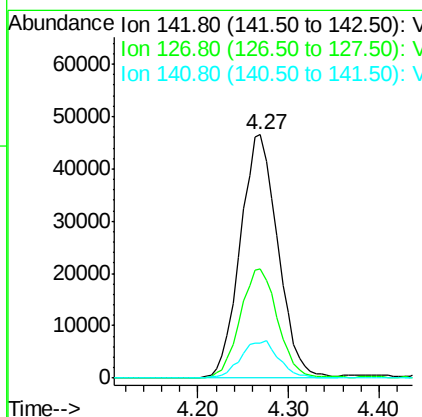
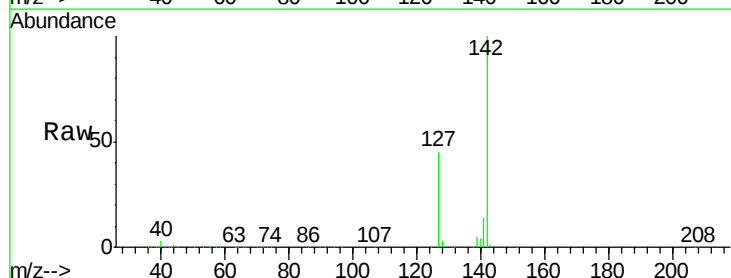
RT: 4.27 min Scan# 388

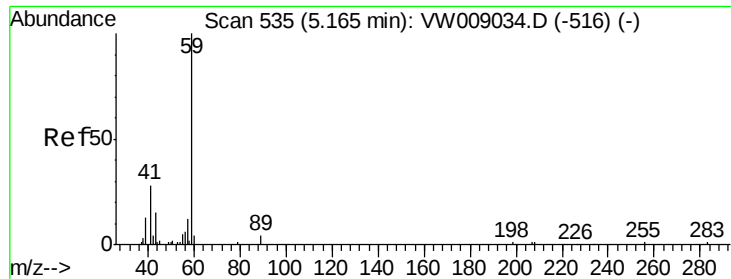
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	142	Resp:	133796
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.8	53.6
141	15.4	11.8	17.8





#11

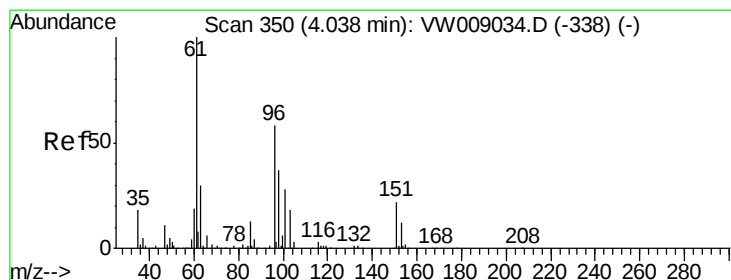
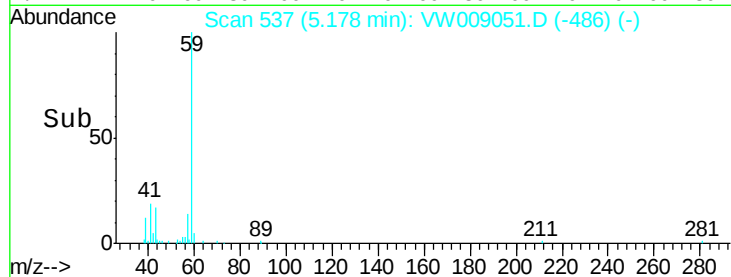
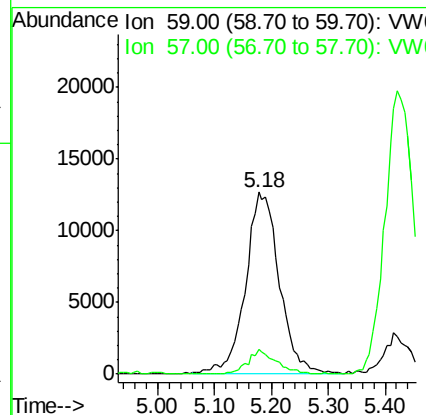
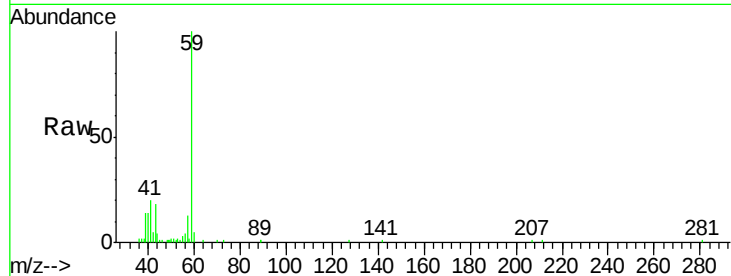
Tert butyl alcohol
Concen: 261.006 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

Manual Integrations
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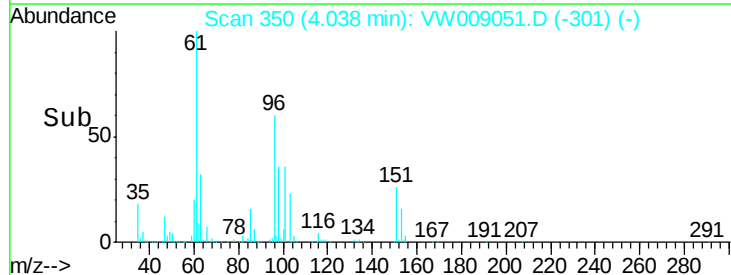
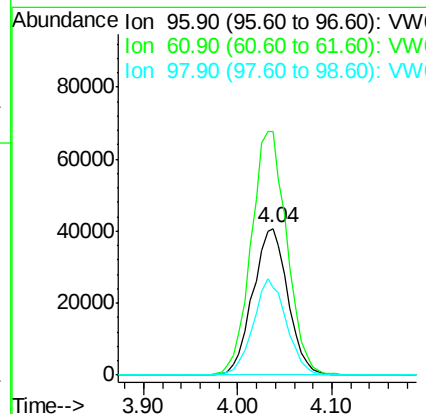
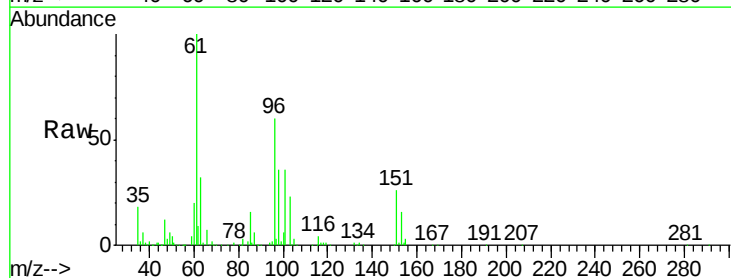
MMDadoda
3/8/2019 12:06:14 PM

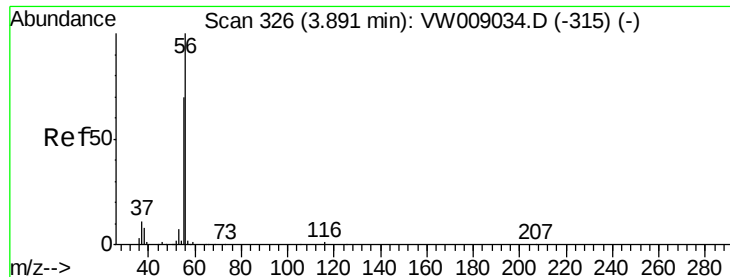


#12

1,1-Dichloroethene
Concen: 45.421 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	138.2	207.2
98	60.0	51.3	76.9





#13

Acrolein

Concen: 245.124 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 54313

Ion Ratio Lower Upper

56 100

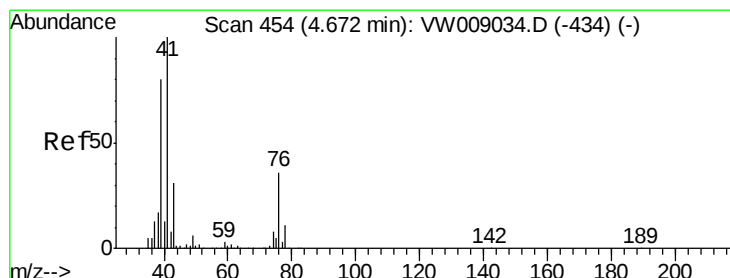
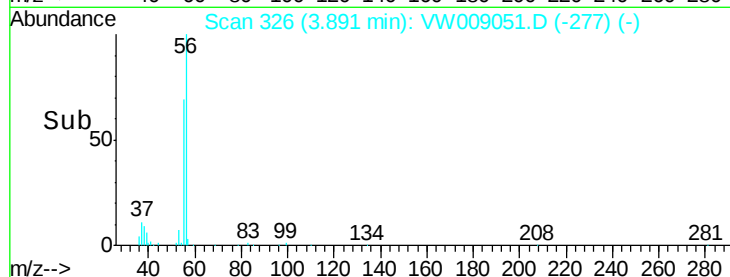
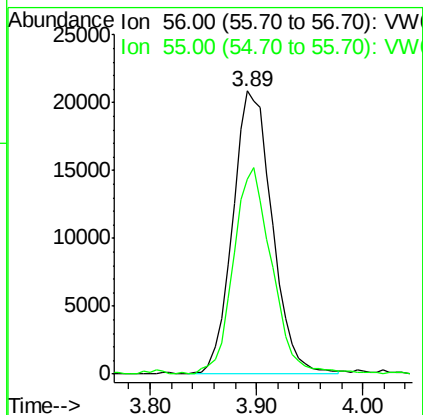
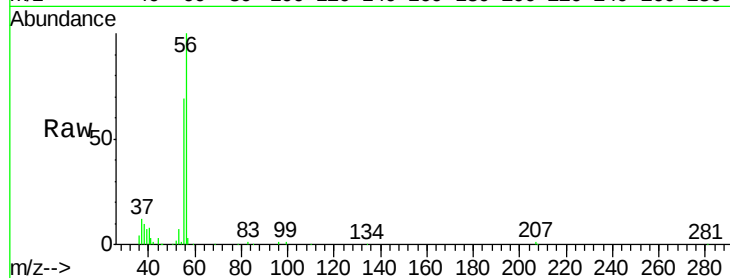
55 71.2 56.6 84.8

Manual Integrations

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3/8/2019 12:06:14 PM



#14

Allyl chloride

Concen: 46.882 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

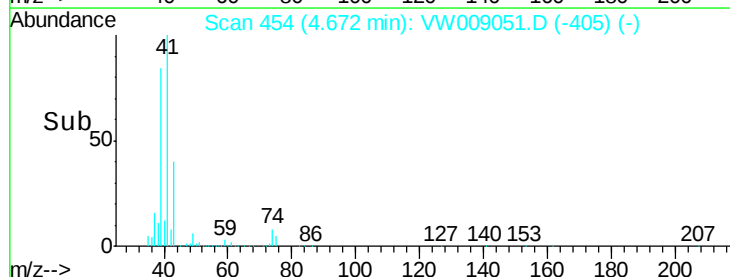
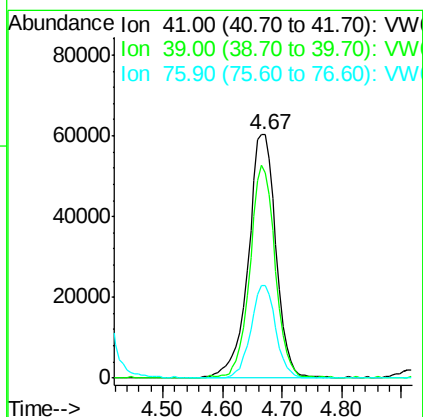
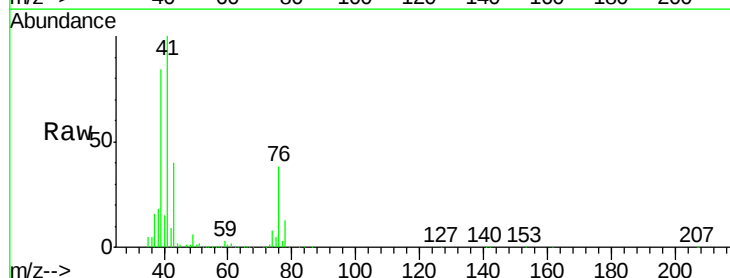
Tgt Ion: 41 Resp: 194108

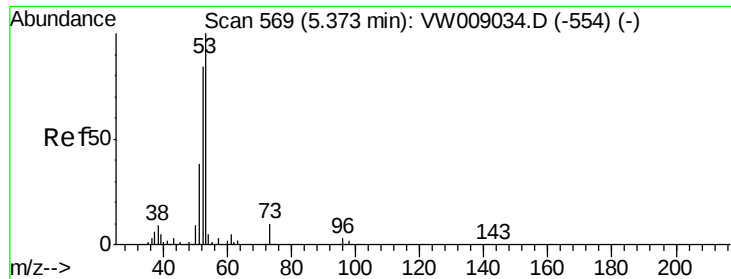
Ion Ratio Lower Upper

41 100

39 79.2 63.0 94.4

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 271.414 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

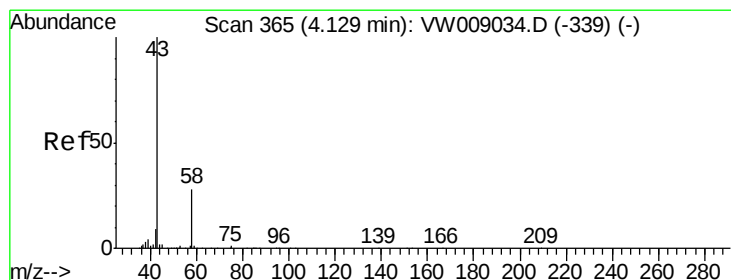
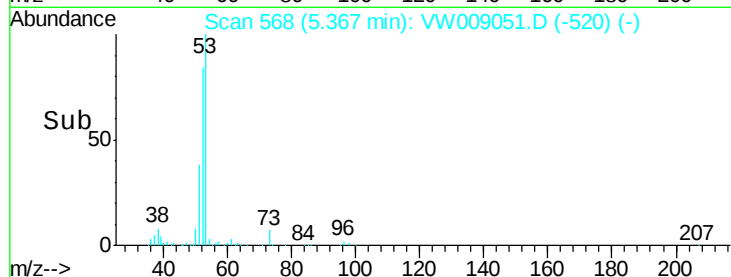
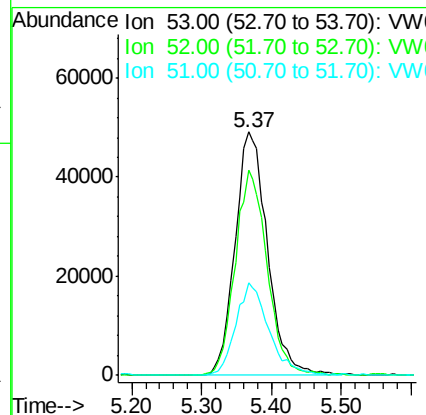
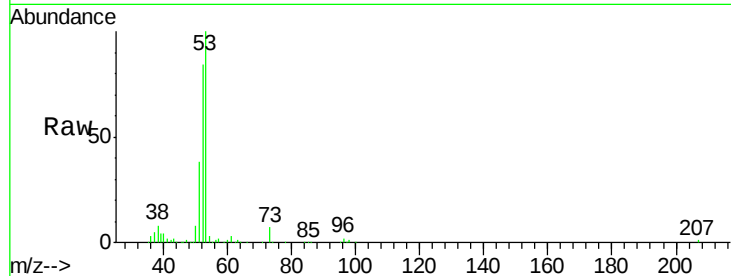
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	158250
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	39.0	31.8	47.6

Manual Integrations
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3/8/2019 12:06:14 PM



#16

Acetone

Concen: 254.415 ug/l

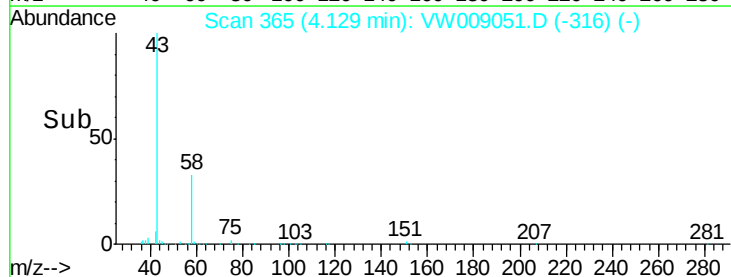
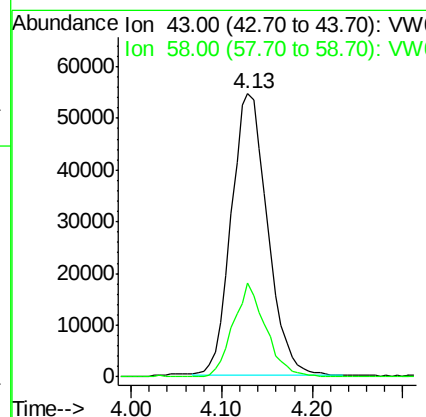
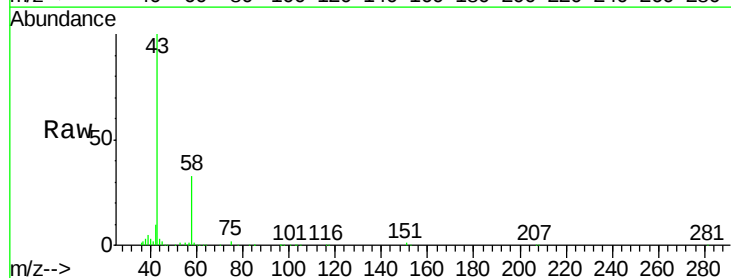
RT: 4.13 min Scan# 365

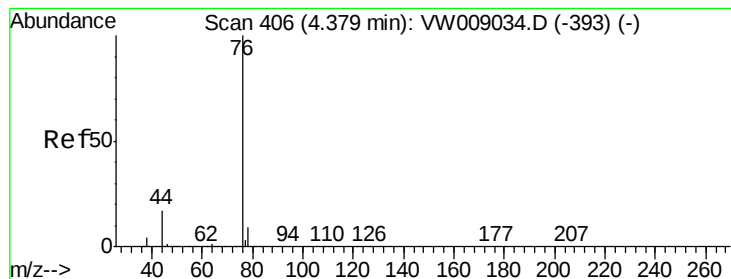
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	43	Resp:	150854
Ion	Ratio	Lower	Upper
43	100		
58	33.2	22.5	33.7





#17

Carbon Disulfide

Concen: 46.579 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 367850

Ion Ratio Lower Upper

76 100

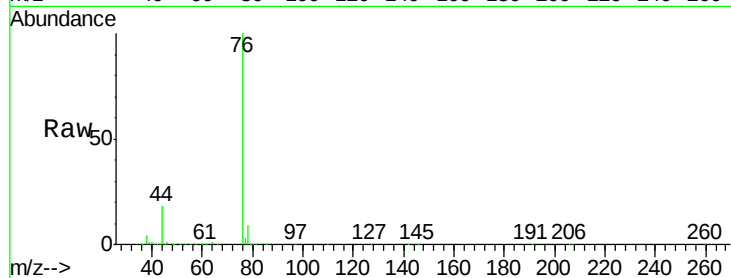
78 8.9 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

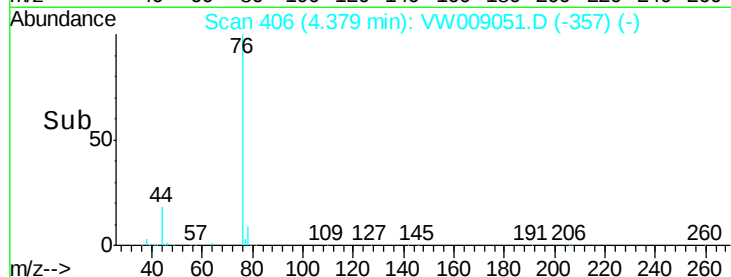
150000

100000

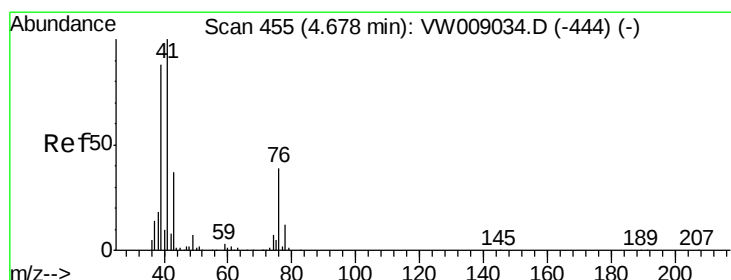
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 52.099 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009051.D

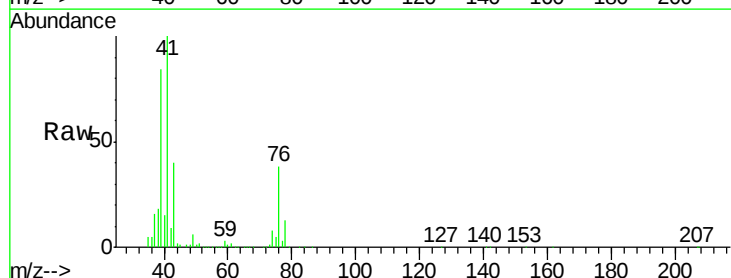
Acq: 07 Mar 2019 20:50

Tgt Ion: 43 Resp: 71037

Ion Ratio Lower Upper

43 100

74 23.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

25000

20000

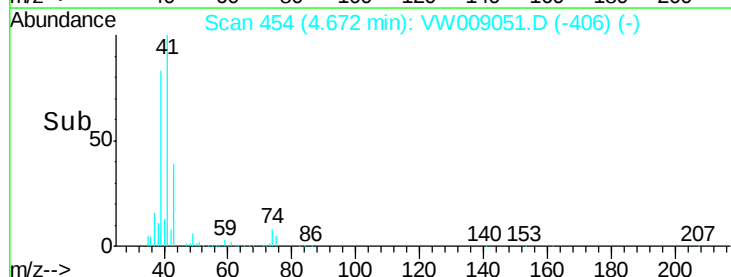
15000

10000

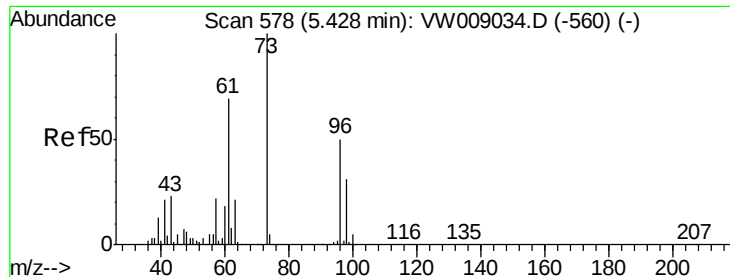
5000

0

Time-->



Time-->



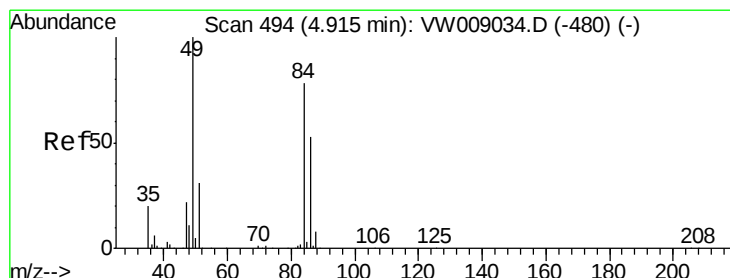
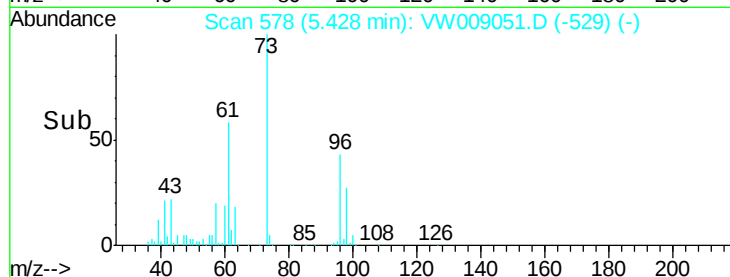
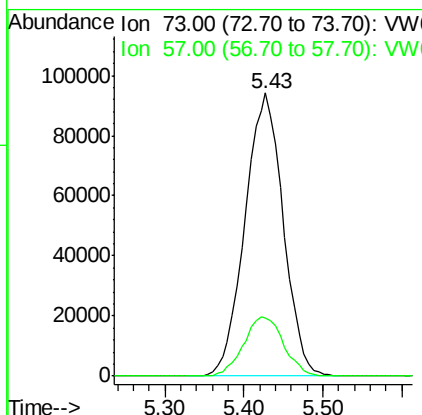
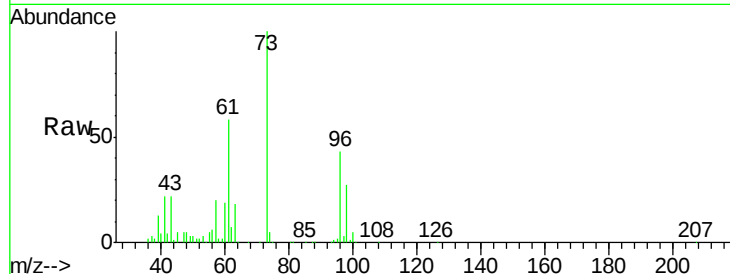
#19
Methyl tert-butyl Ether
Concen: 51.168 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 317712
Ion Ratio Lower Upper
73 100
57 20.4 17.3 25.9

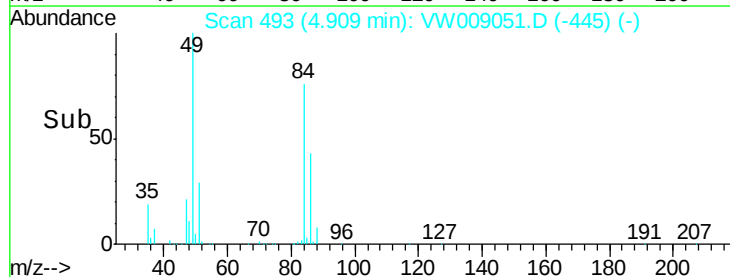
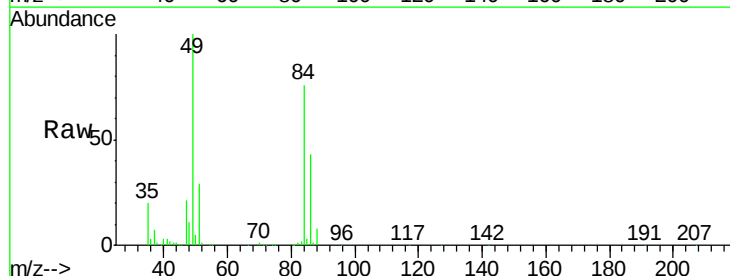
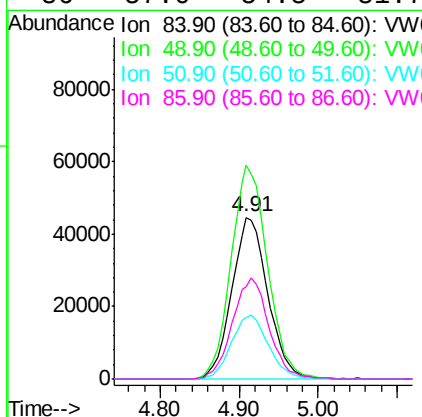
Manual Integrations
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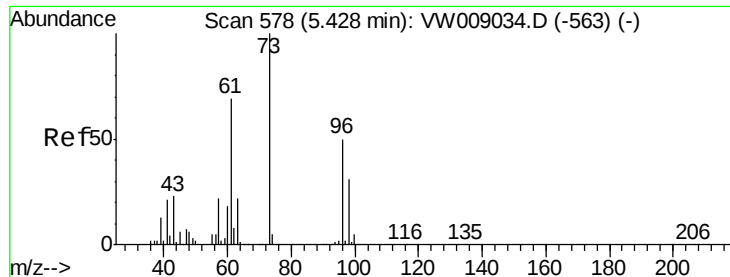
MMDadoda
3/8/2019 12:06:14 PM



#20
Methylene Chloride
Concen: 50.964 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 84 Resp: 141863
Ion Ratio Lower Upper
84 100
49 132.1 102.4 153.6
51 38.2 31.6 47.4
86 57.0 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.485 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

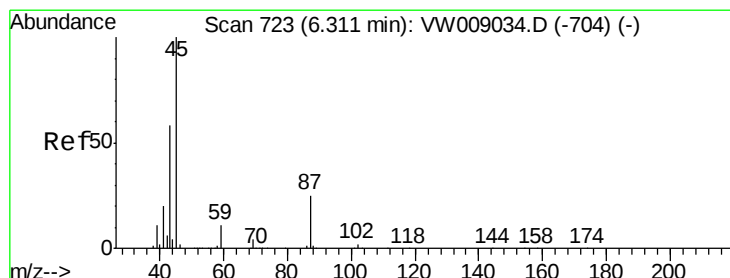
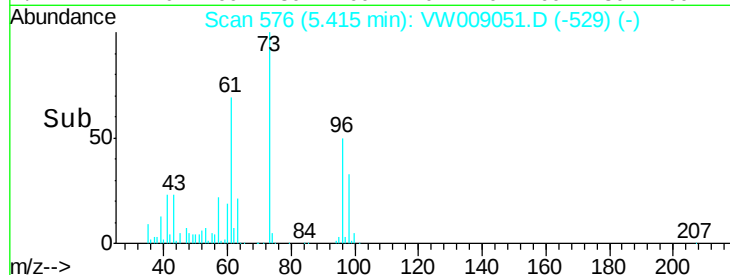
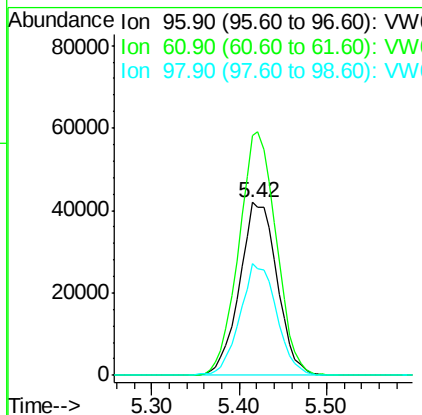
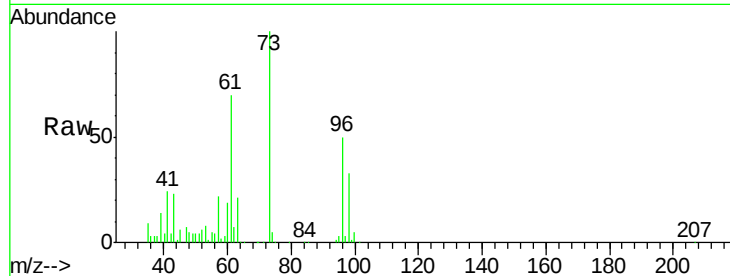
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	125985
Ion	Ratio	Lower	Upper
96	100		
61	137.7	111.0	166.6
98	64.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.987 ug/l

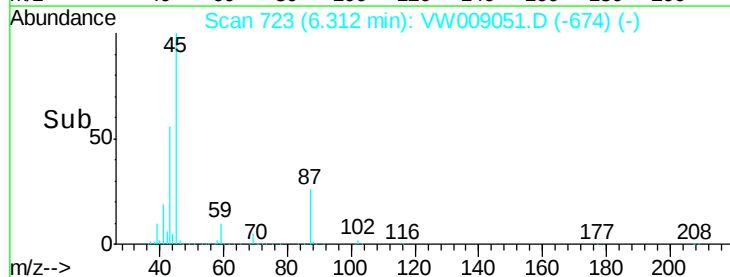
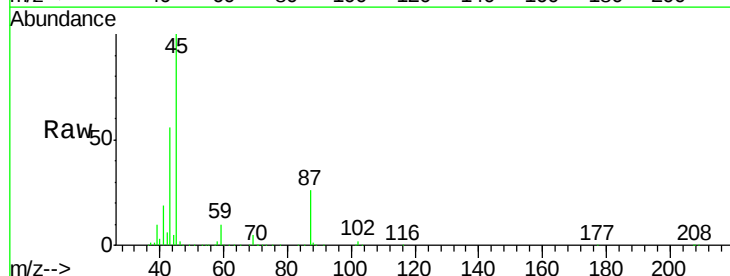
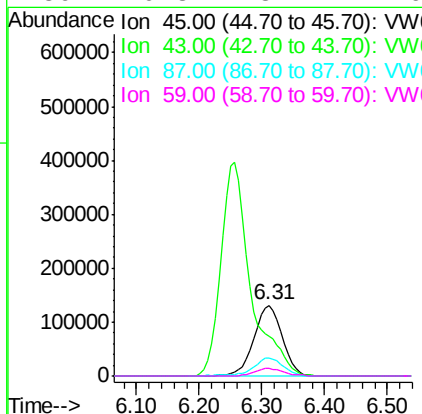
RT: 6.31 min Scan# 723

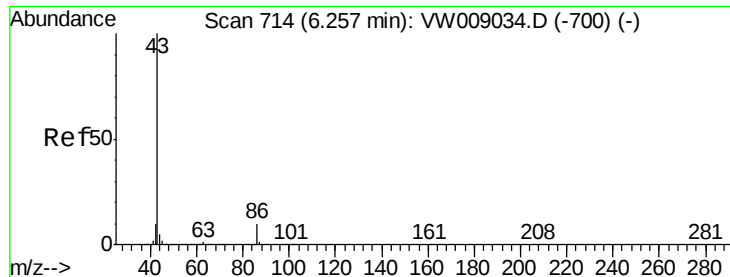
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	45	Resp:	411292
Ion	Ratio	Lower	Upper
45	100		
43	55.9	46.2	69.4
87	25.5	20.1	30.1
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 253.949 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1300277

Ion Ratio Lower Upper

43 100

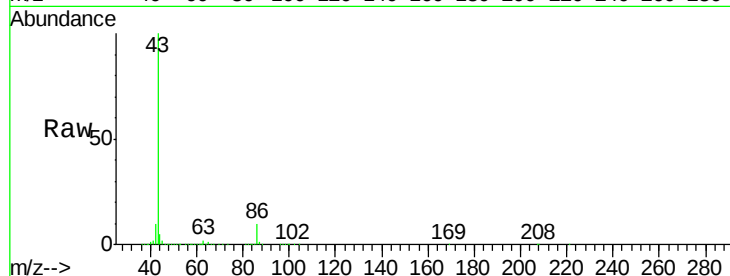
86 9.6 7.6 11.4

Manual Integrations

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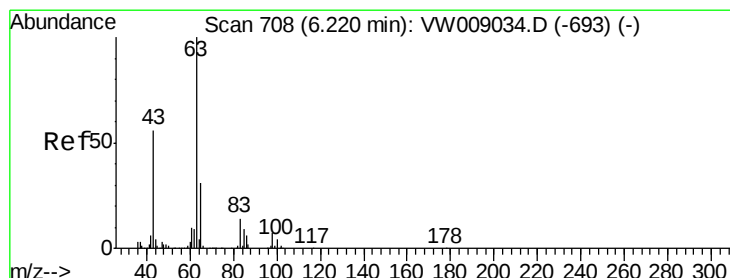
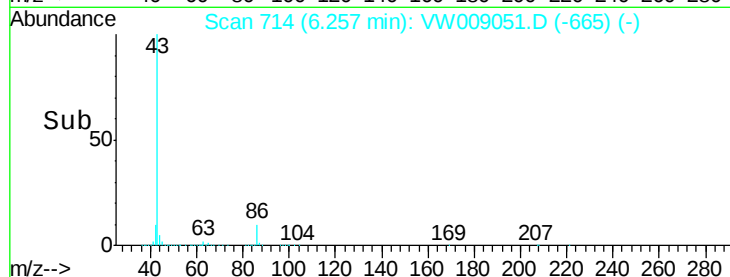
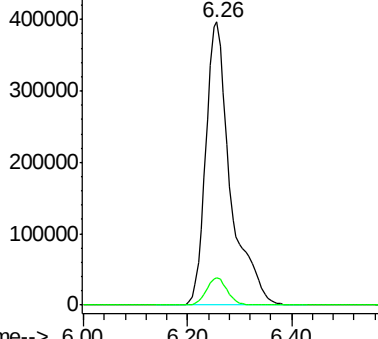
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.051 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

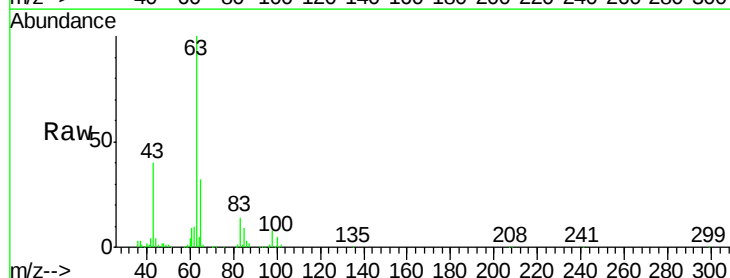
Tgt Ion: 63 Resp: 224548

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

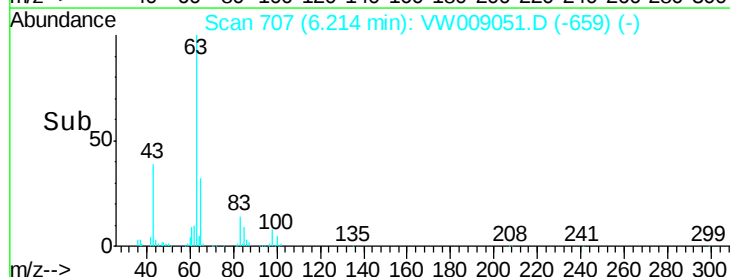
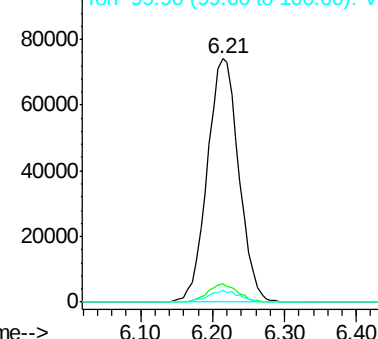
100 4.7 2.1 6.2

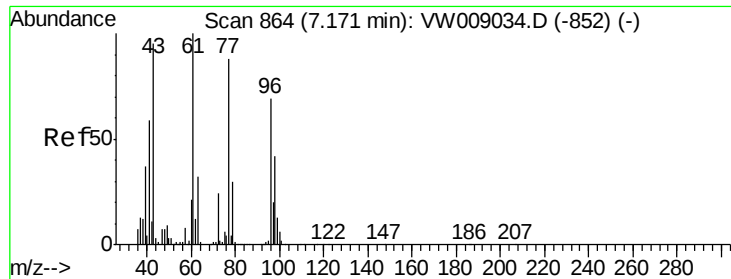


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 262.651 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 215233

Ion Ratio Lower Upper

43 100

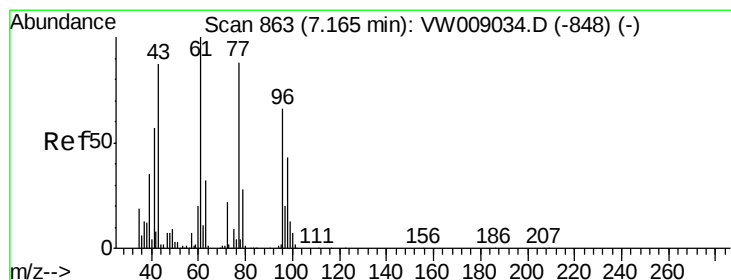
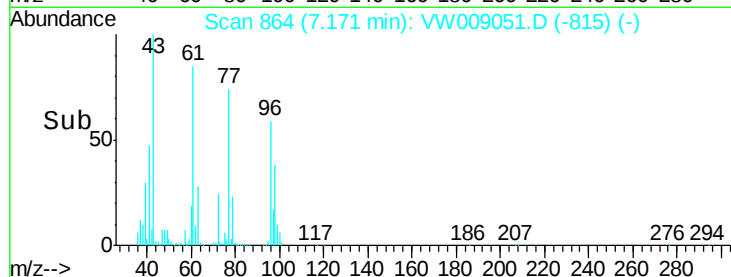
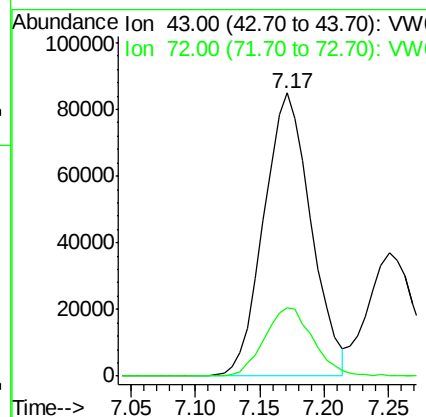
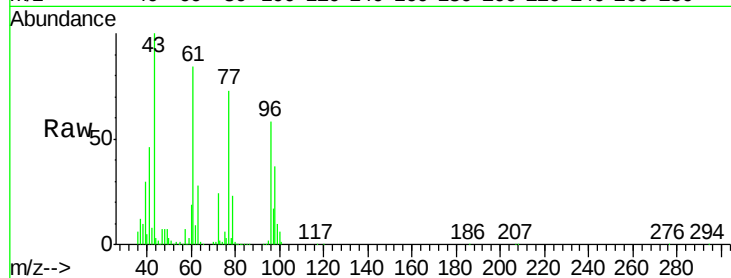
72 24.3 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.647 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009051.D

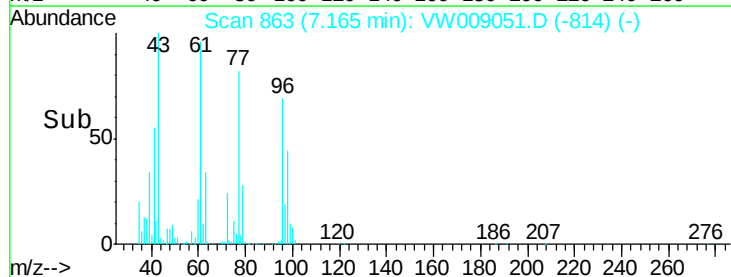
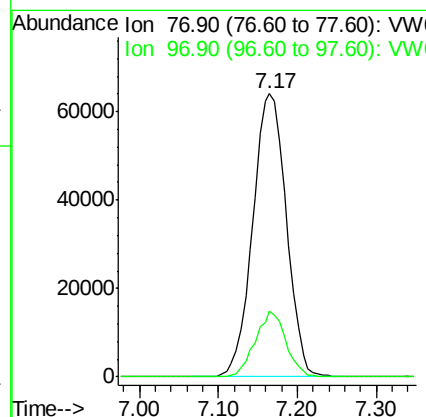
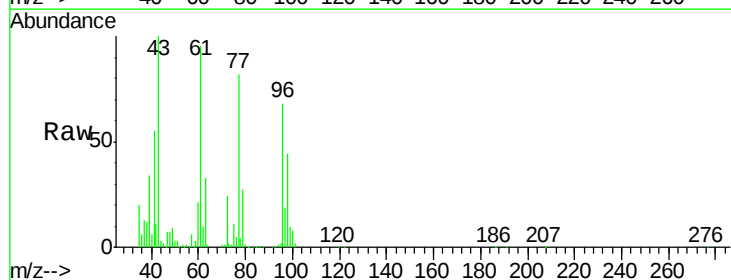
Acq: 07 Mar 2019 20:50

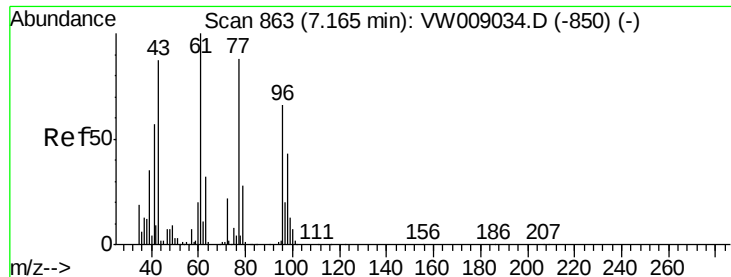
Tgt Ion: 77 Resp: 189343

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.9





#27

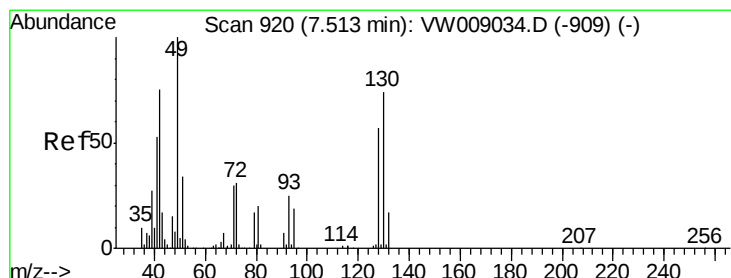
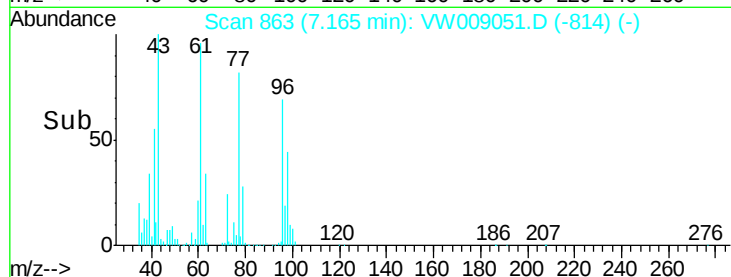
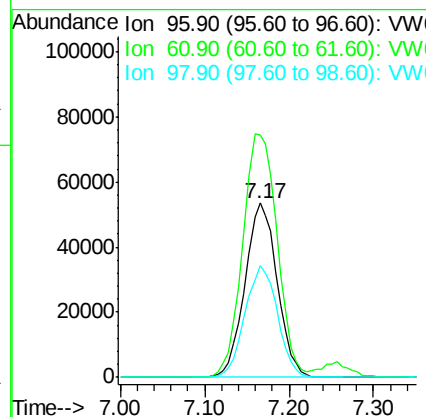
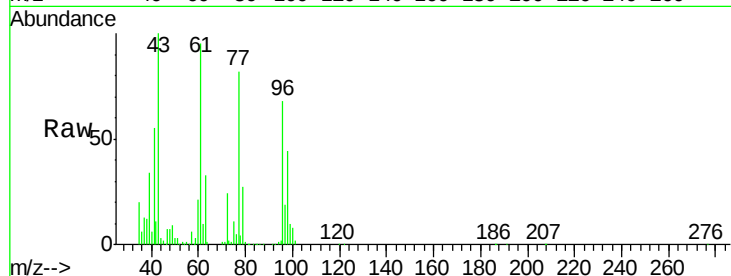
cis-1,2-Dichloroethene
Concen: 47.701 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.3	0.0	299.8	
98	64.5	0.0	127.2	

Manual Integrations
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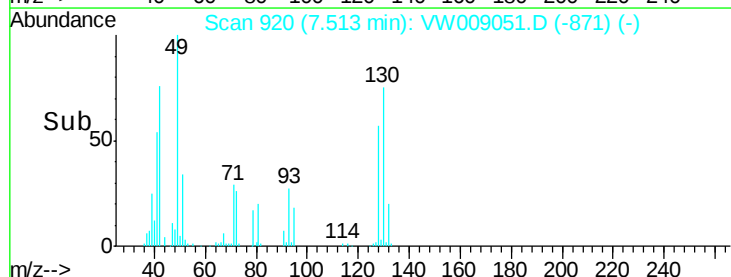
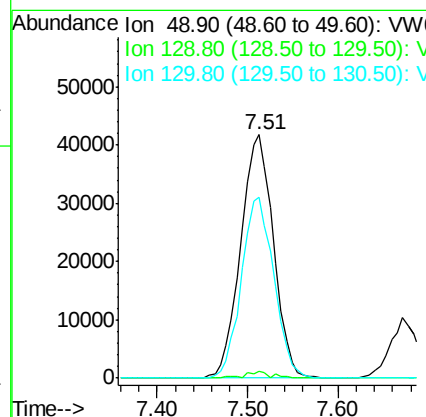
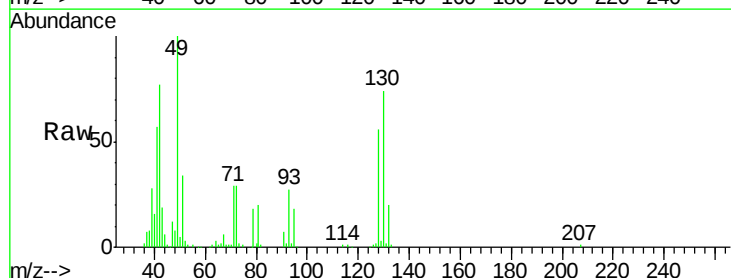
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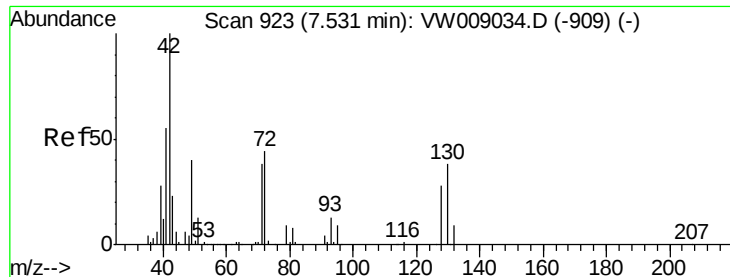


#28

Bromochloromethane
Concen: 52.640 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.6	
130	73.9	60.4	90.6	





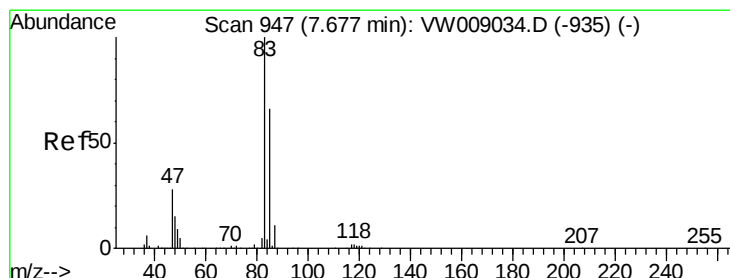
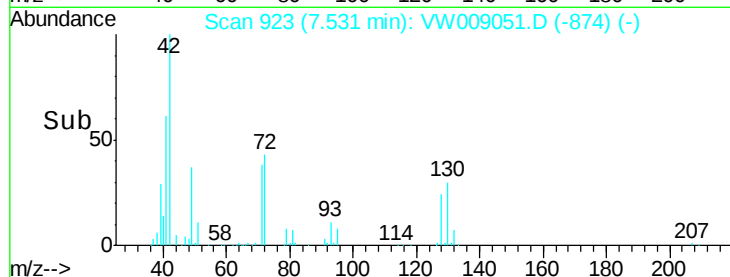
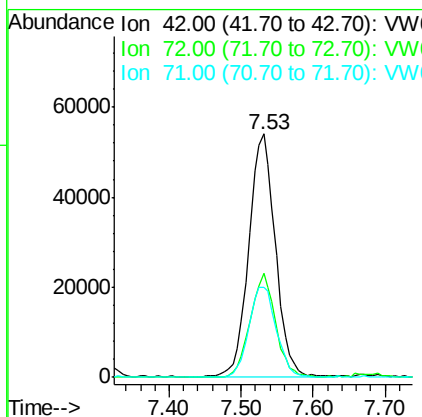
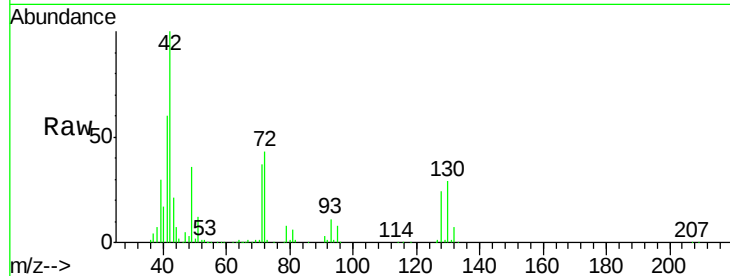
#29
Tetrahydrofuran
Concen: 267.753 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.2	48.4
71	38.5	30.7	46.1

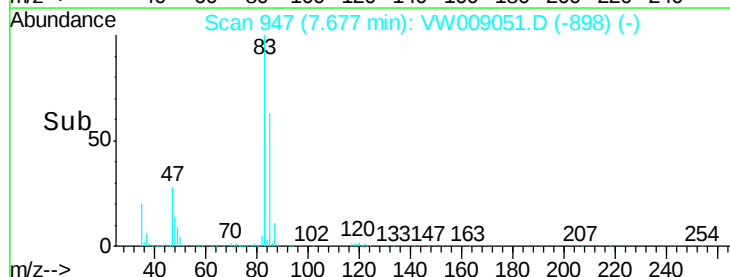
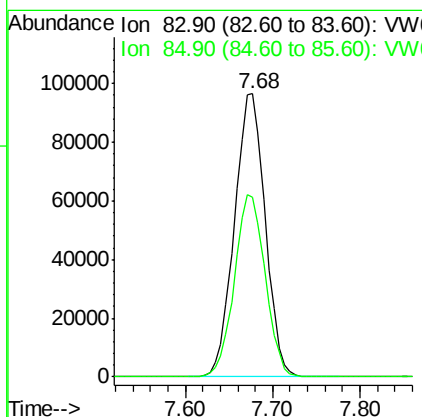
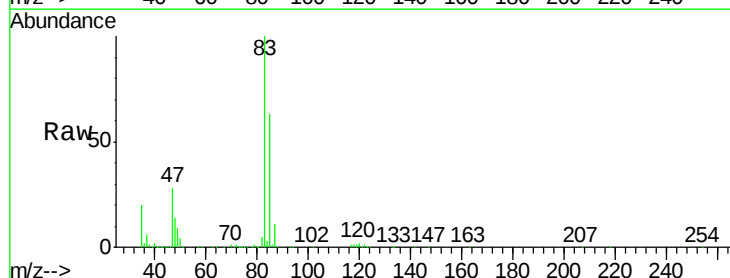
Manual Integrations
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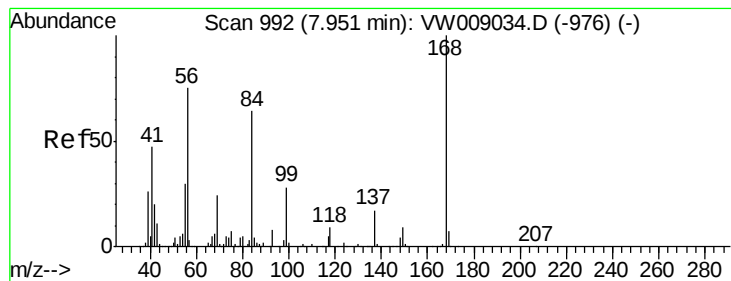
MMDadoda
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#30
Chloroform
Concen: 48.001 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.0	79.6





#31

Cyclohexane

Concen: 42.422 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

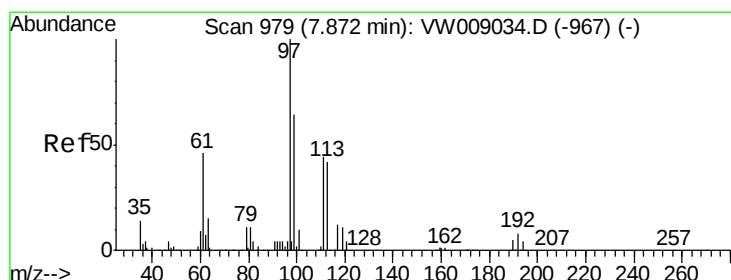
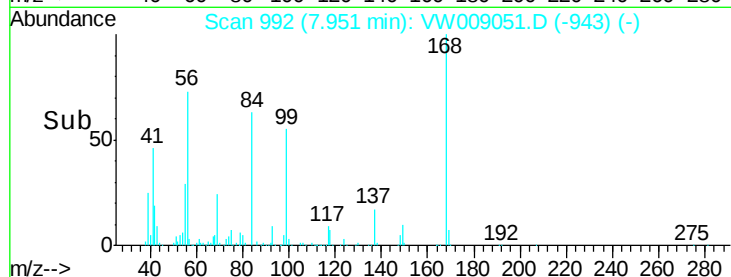
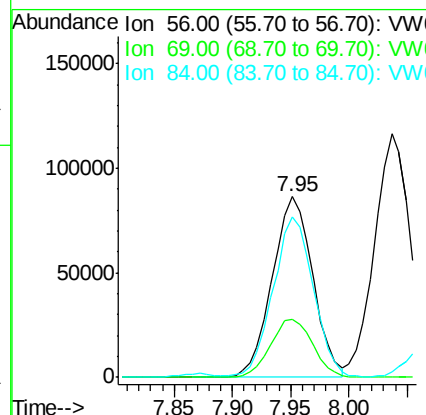
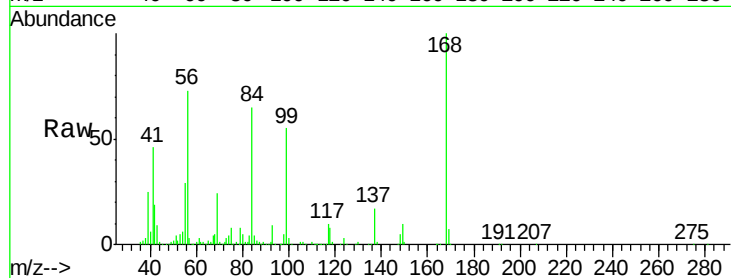
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	207881
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.5	38.3
84	87.1	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.706 ug/l

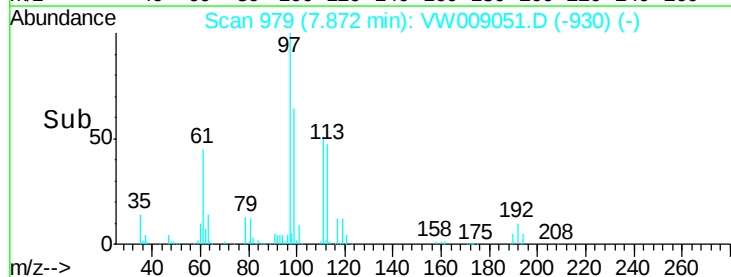
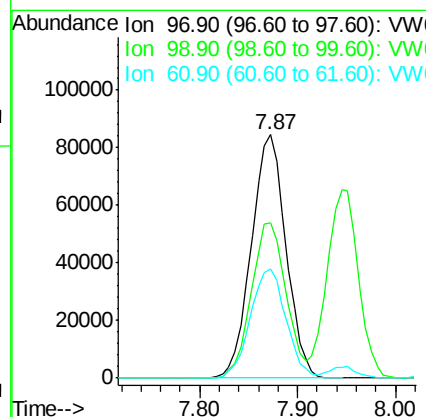
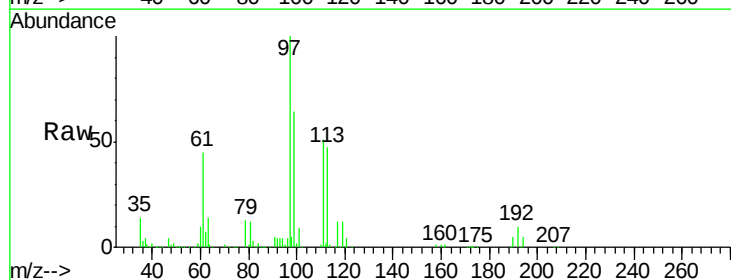
RT: 7.87 min Scan# 979

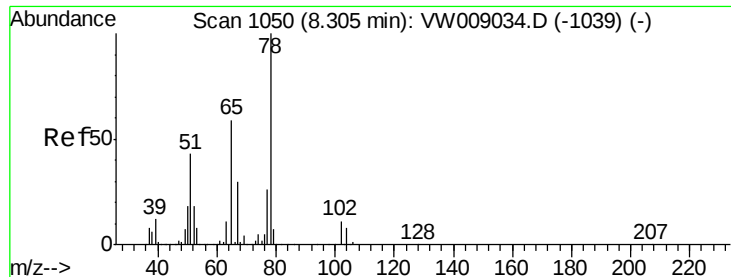
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	97	Resp:	207250
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	46.1	37.3	55.9





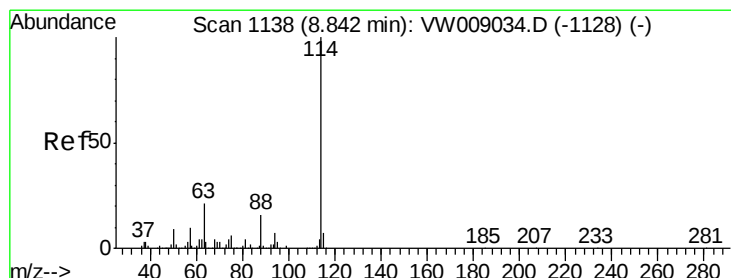
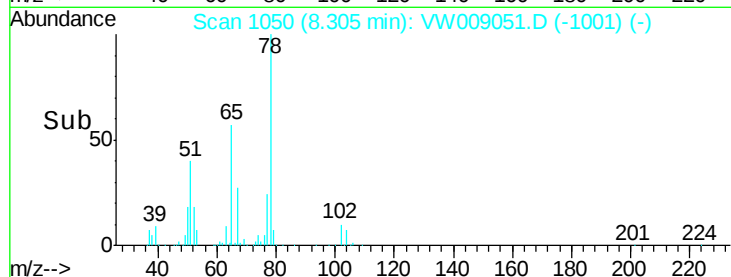
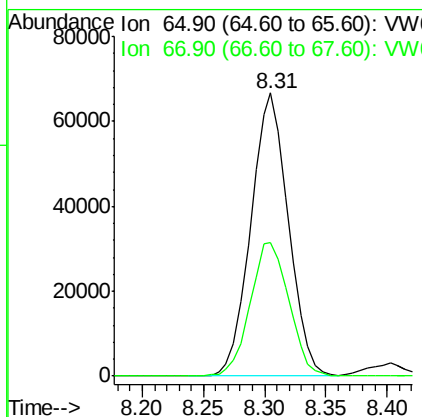
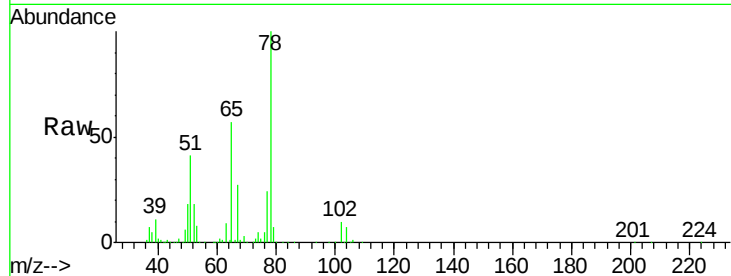
#33
 1,2-Dichloroethane-d4
 Concen: 54.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142400		
67	49.1	0.0	103.0	

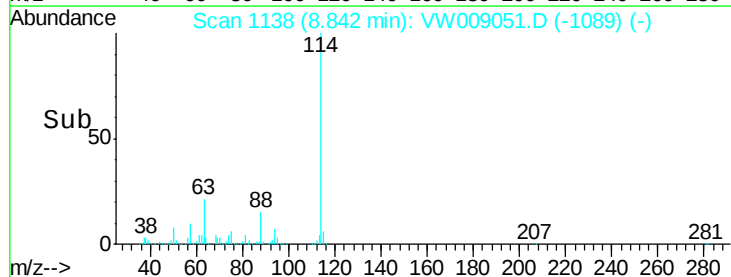
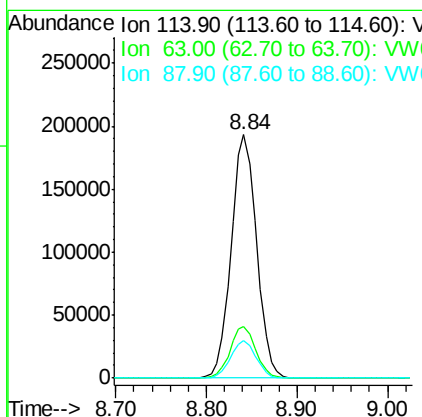
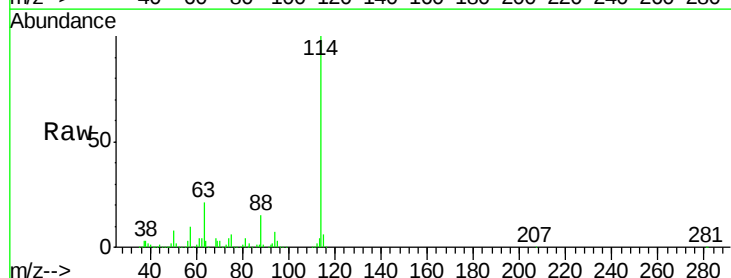
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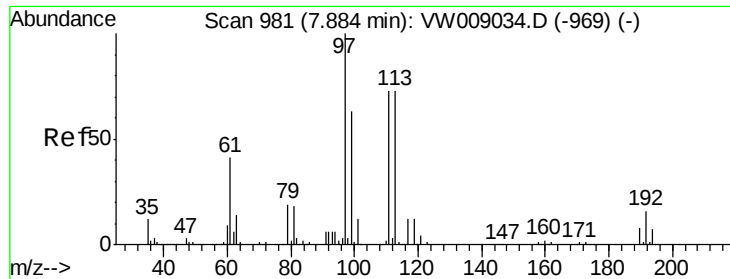
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	379143		
63	21.1	0.0	41.2	
88	15.2	0.0	31.2	





#35

Dibromofluoromethane

Concen: 52.362 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

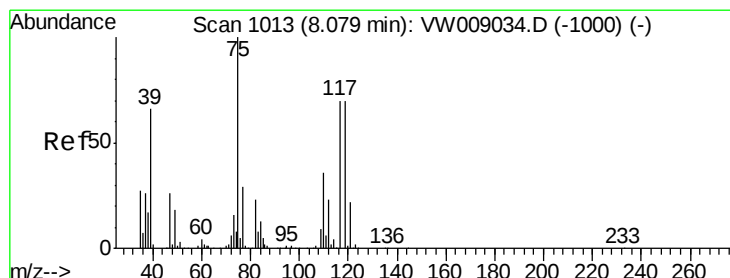
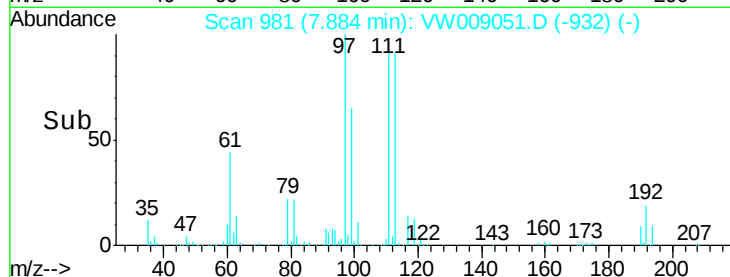
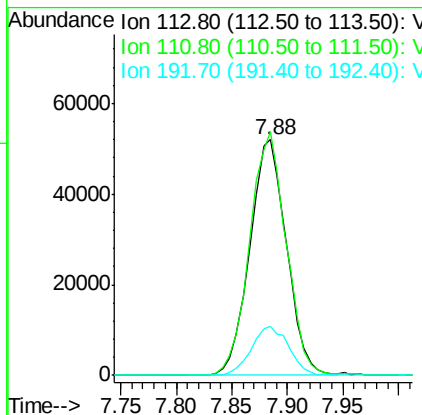
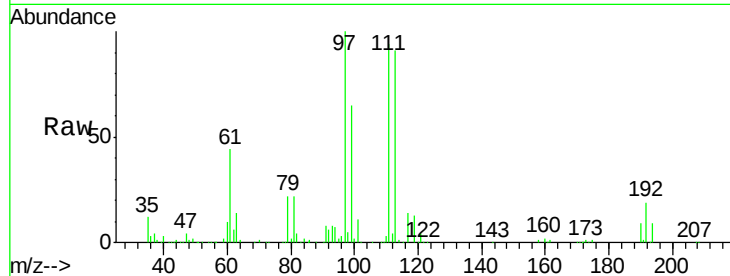
ClientSampled :

VSTDCCC050EC

Tot Ion:	113	Resp:	119531
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.0	121.4
192	21.3	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.750 ug/l

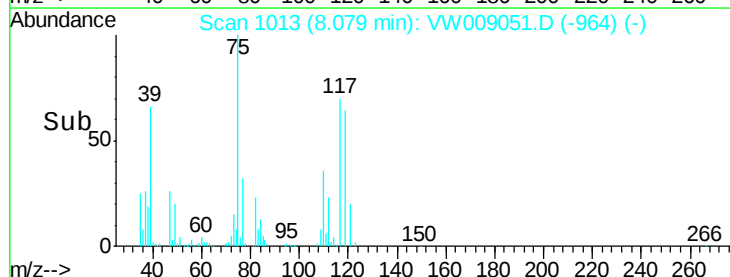
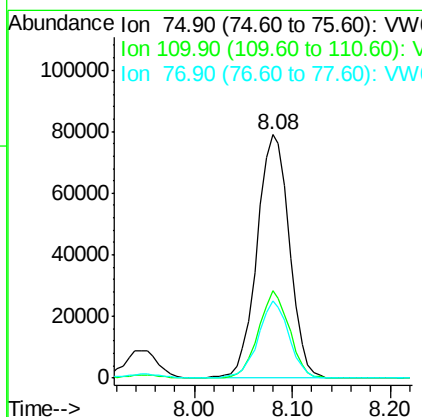
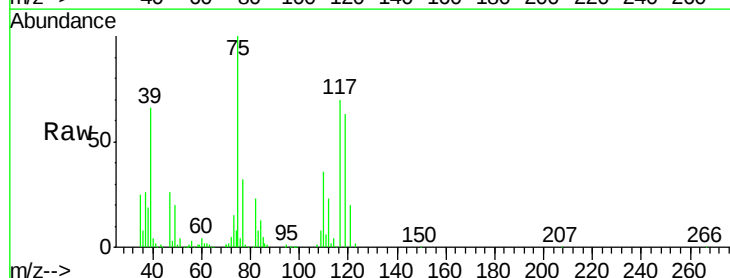
RT: 8.08 min Scan# 1013

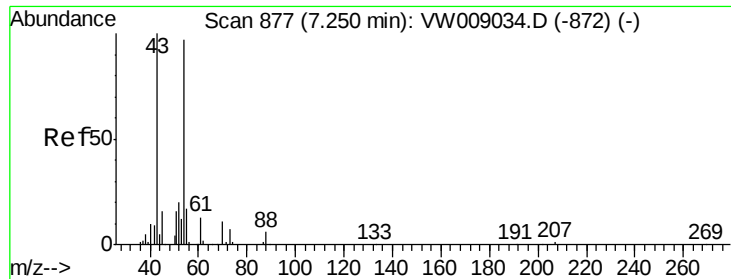
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	75	Resp:	181371
Ion Ratio	Lower	Upper	
75	100		
110	34.1	17.6	52.9
77	30.4	25.1	37.7





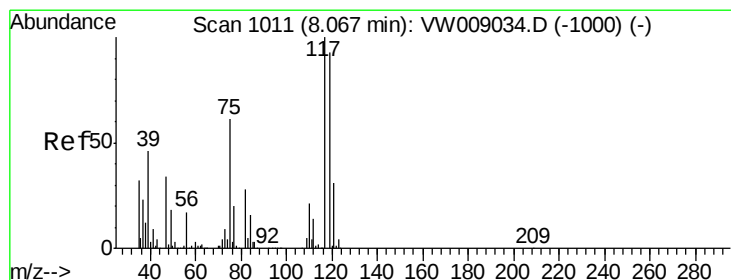
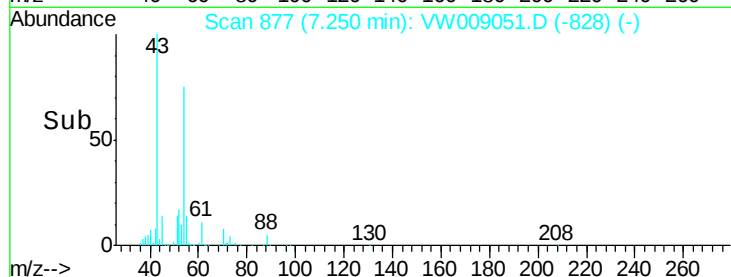
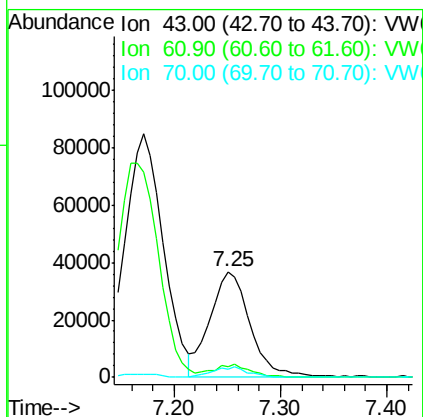
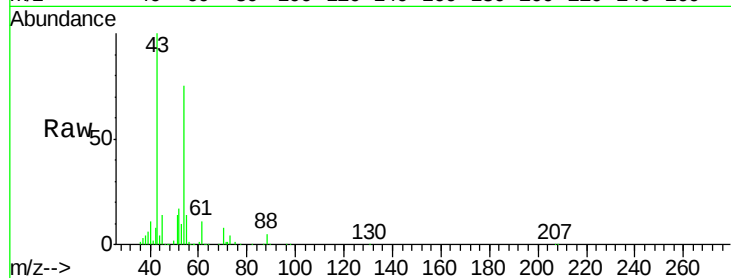
#37
Ethyl Acetate
Concen: 50.959 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.6
70	9.1	7.2	10.8

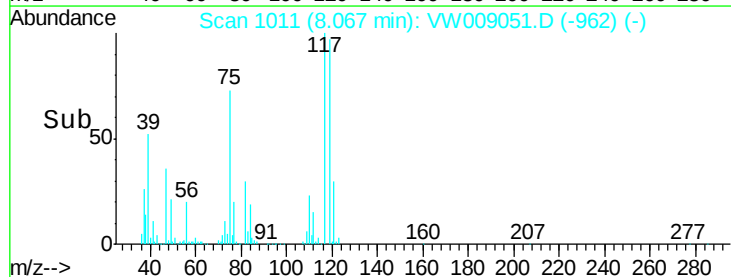
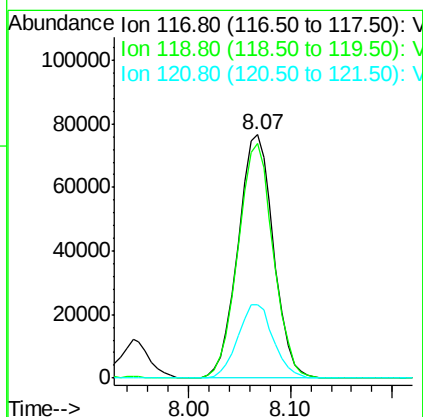
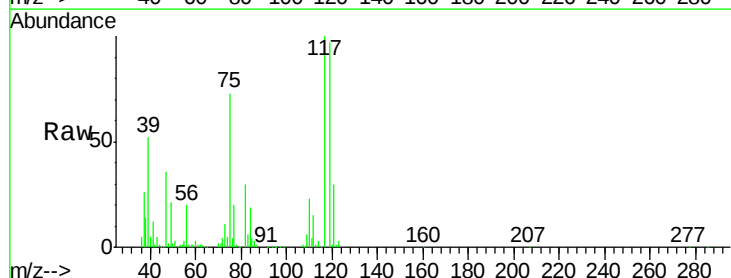
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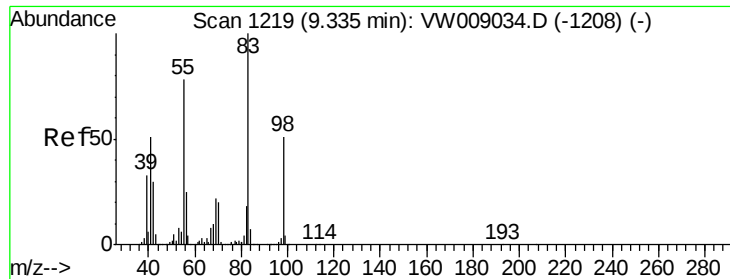
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#38
Carbon Tetrachloride
Concen: 45.102 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.6	112.0
121	30.1	24.7	37.1





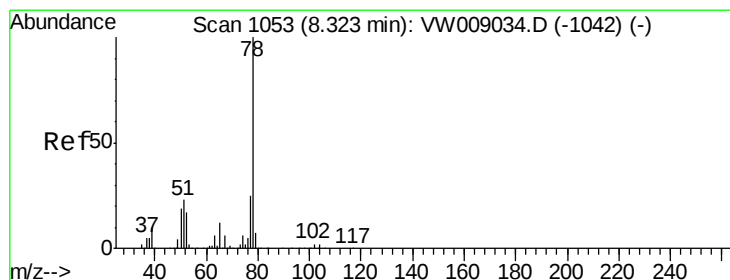
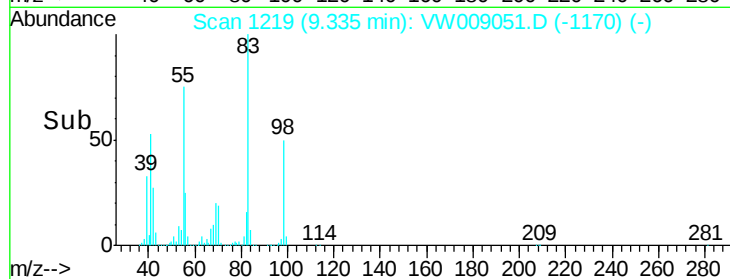
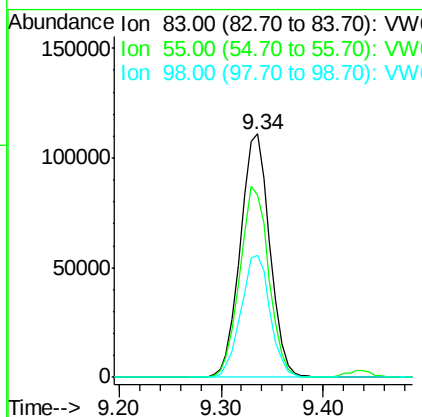
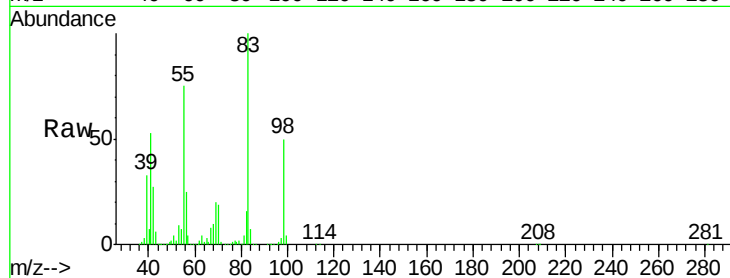
#39
Methvlcvclohexane
Concen: 47.047 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	62.7	94.1
98	49.9	40.8	61.2

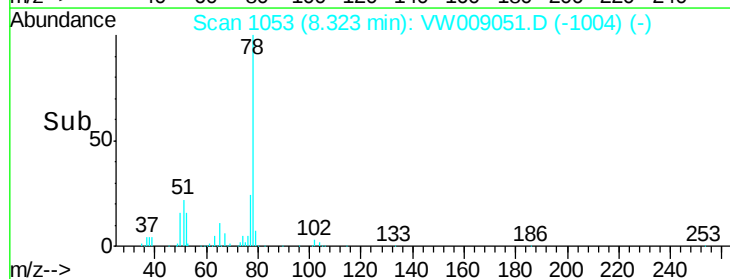
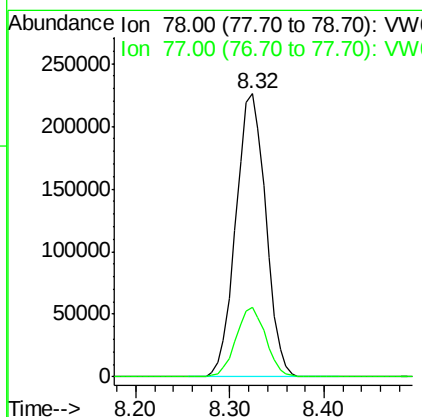
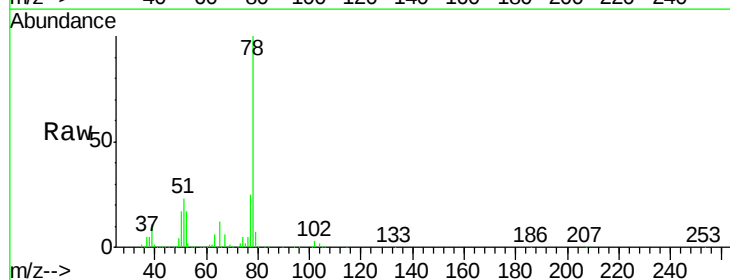
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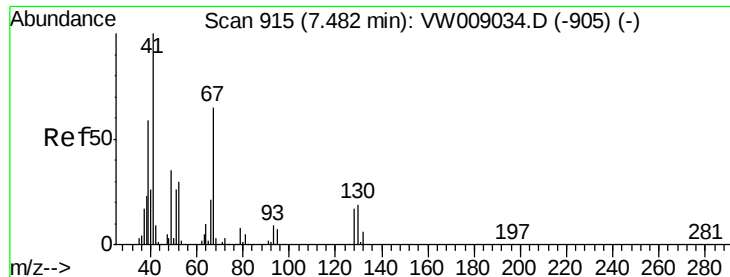
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#40
Benzene
Concen: 47.496 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.2	30.4





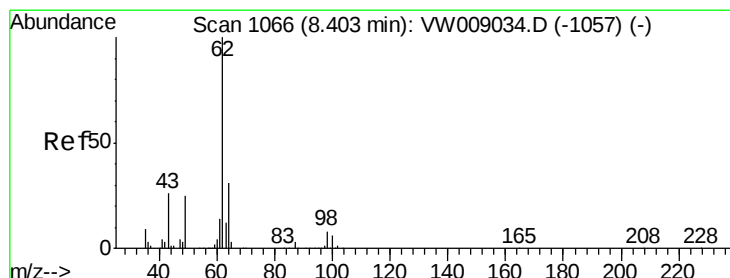
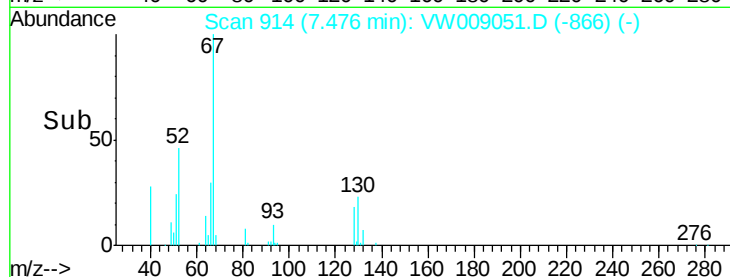
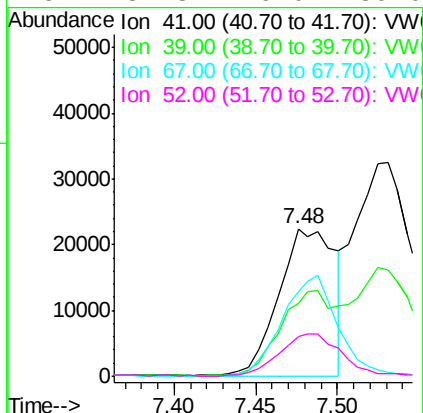
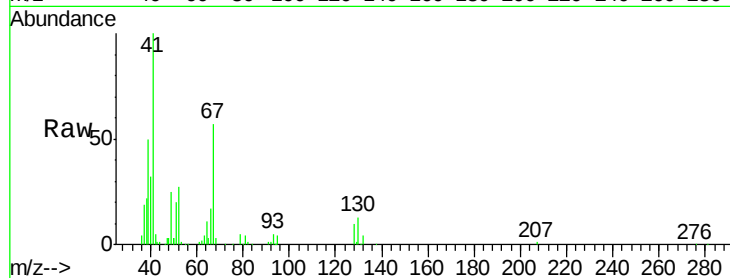
#41
Methacrylonitrile
Concen: 51.961 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	53.6	80.4
67	67.5	57.6	86.4
52	31.8	26.0	39.0

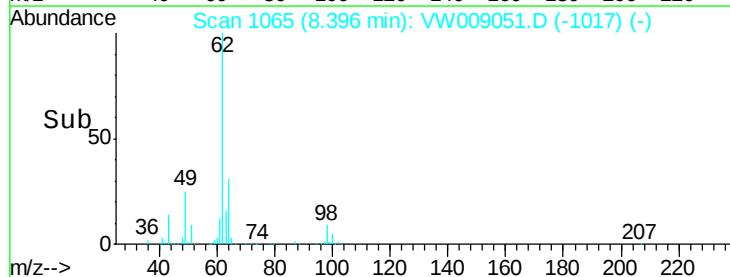
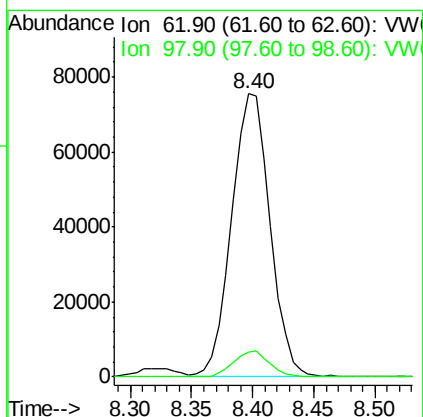
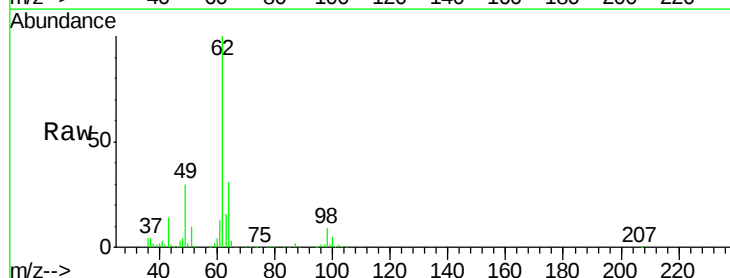
Manual Integrations
APPROVED

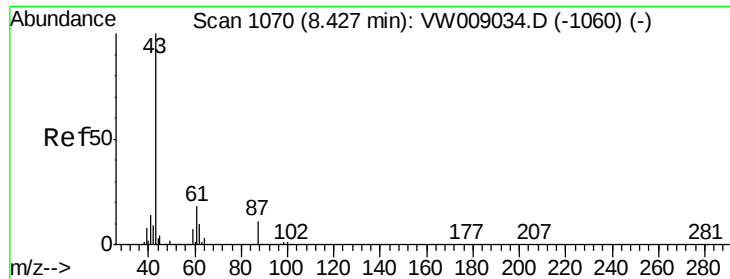
MMDadoda
3/8/2019 12:06:14 PM



#42
1,2-Dichloroethane
Concen: 48.096 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 52.986 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

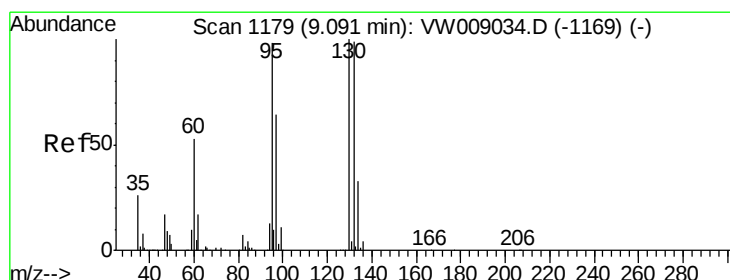
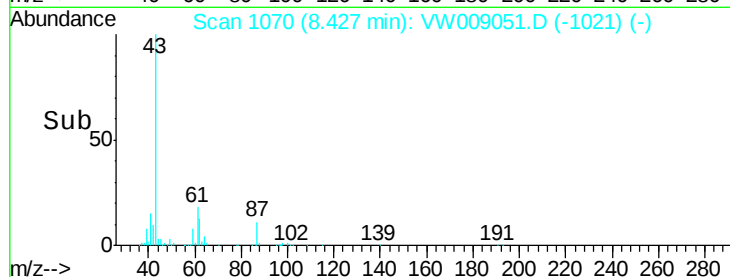
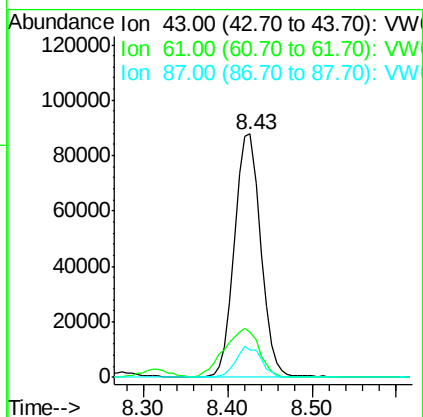
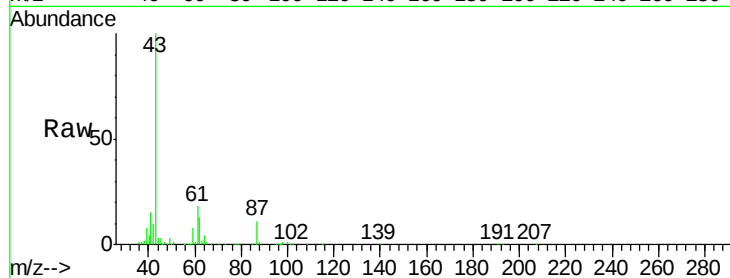
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	183764
Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.8	34.2
87	12.5	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 45.976 ug/l

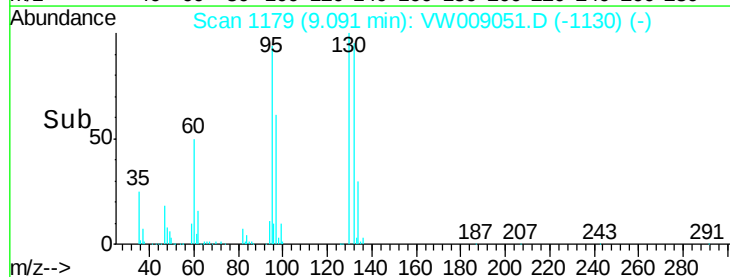
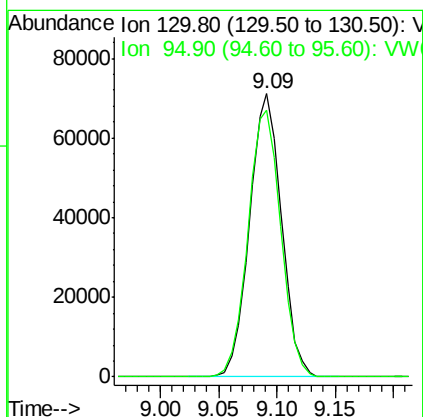
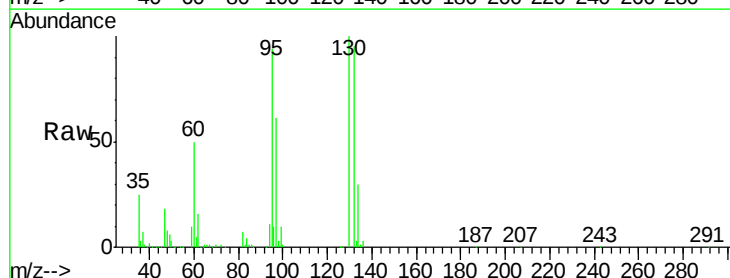
RT: 9.09 min Scan# 1179

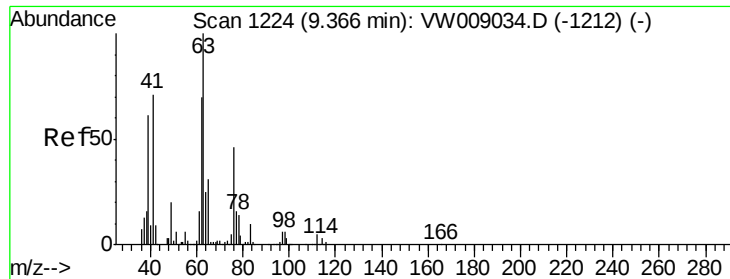
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	130	Resp:	136370
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 48.252 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 127893

Ion Ratio Lower Upper

63 100

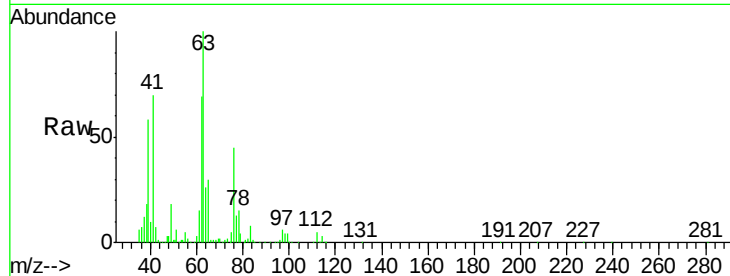
65 30.3 24.9 37.3

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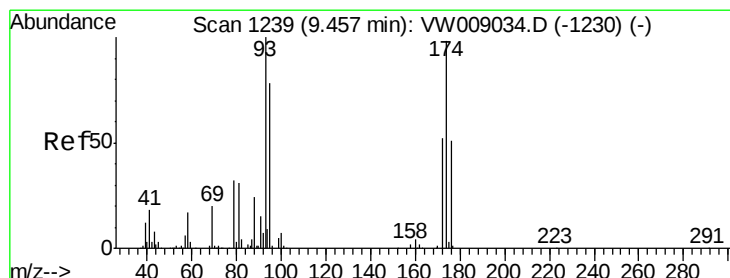
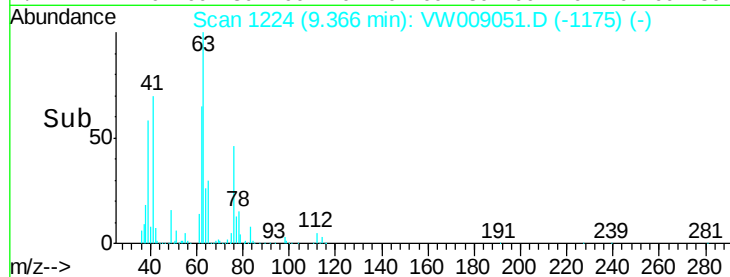
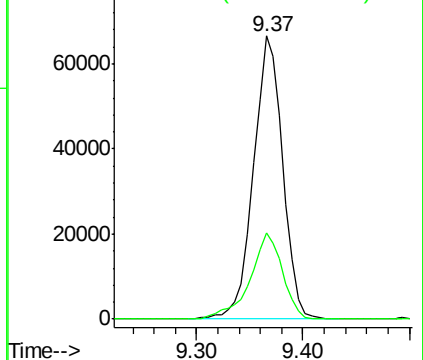
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3/8/2019 12:06:14 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 48.899 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

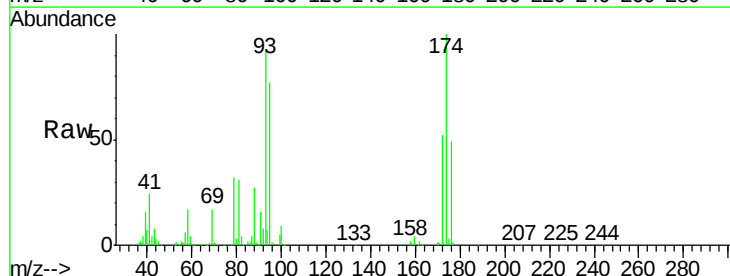
Tgt Ion: 93 Resp: 70784

Ion Ratio Lower Upper

93 100

95 84.2 65.0 97.6

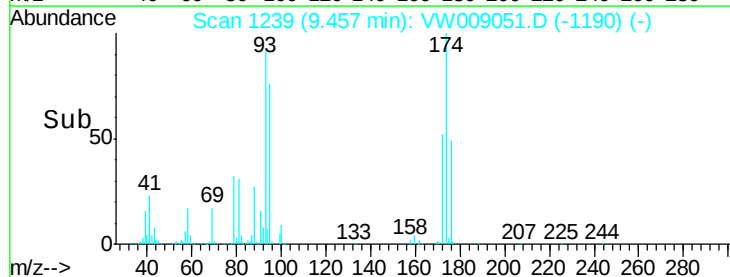
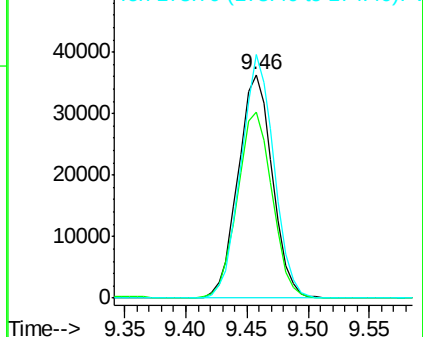
174 105.0 81.8 122.6

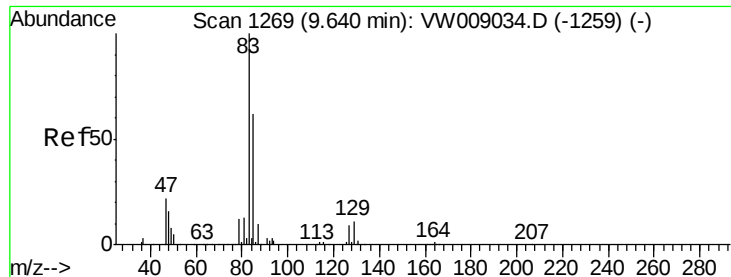


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.832 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

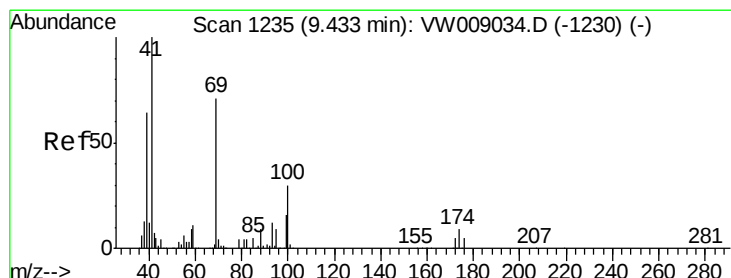
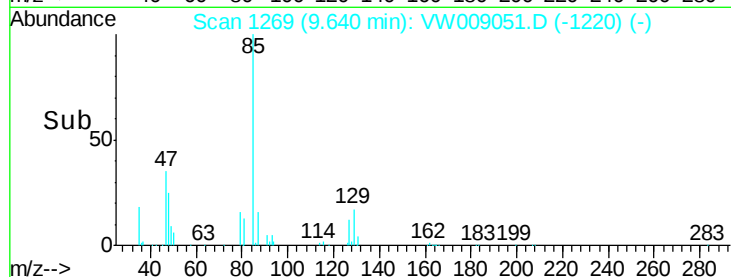
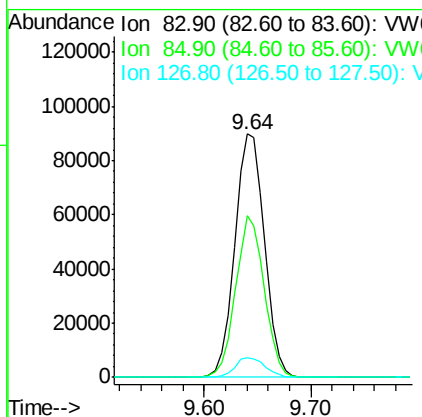
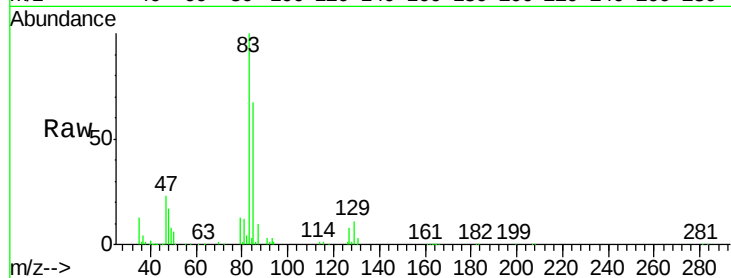
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	175269
Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.9	74.9
127	7.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.016 ug/l

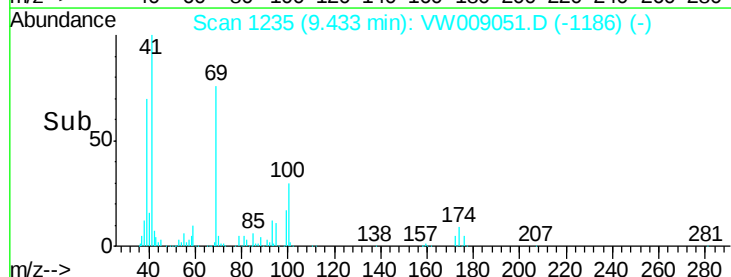
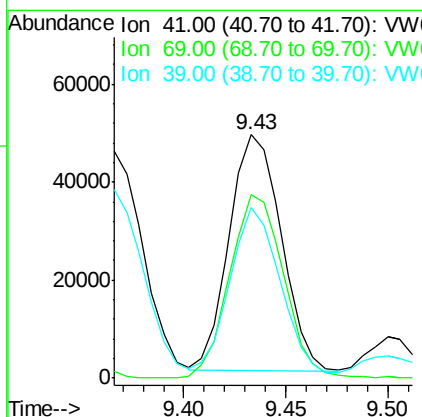
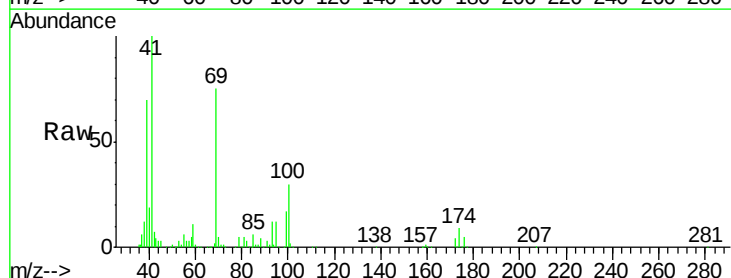
RT: 9.43 min Scan# 1235

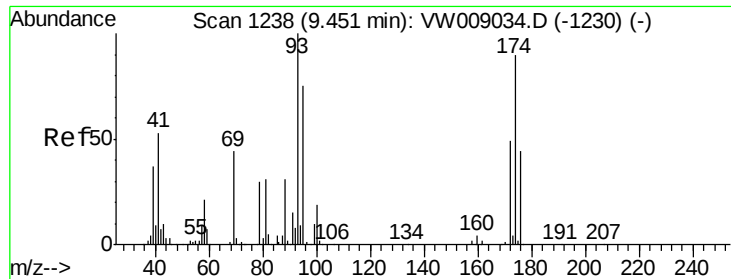
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	41	Resp:	85615
Ion	Ratio	Lower	Upper
41	100		
69	80.1	59.1	88.7
39	66.8	48.9	73.3





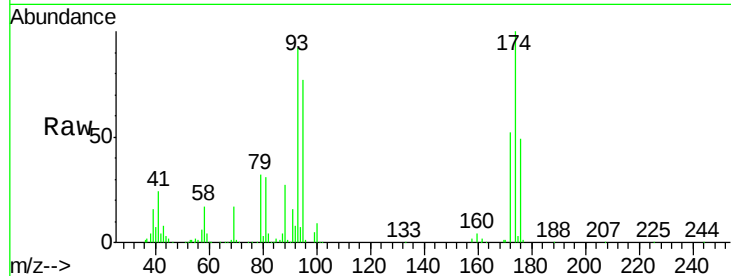
#49
1,4-Dioxane
Concen: 1071.951 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	88	Resp	22220
Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.0	43.4
58	72.9	59.2	88.8

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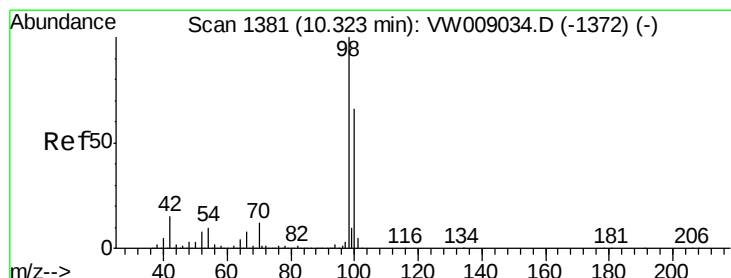
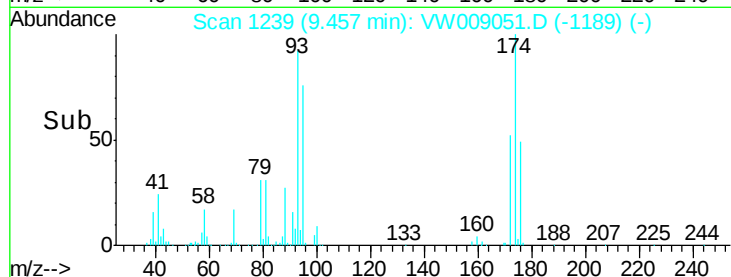
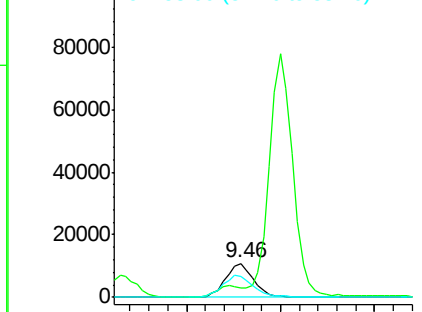


Abundance

Ion 88.00 (87.70 to 88.70): VW

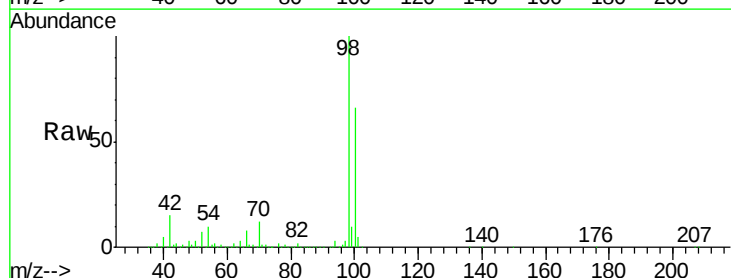
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 54.149 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

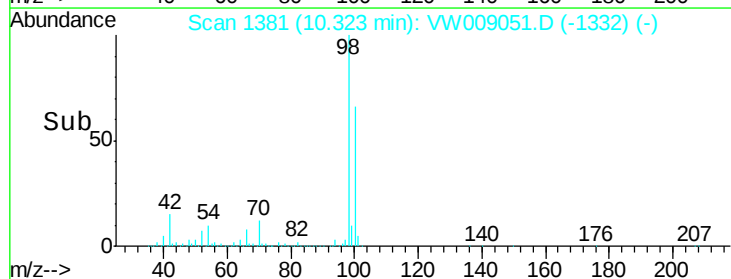
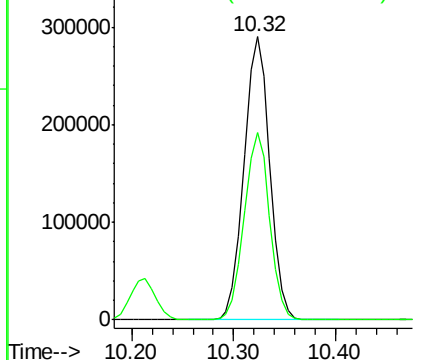
Tgt Ion	98	Resp	507682
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9

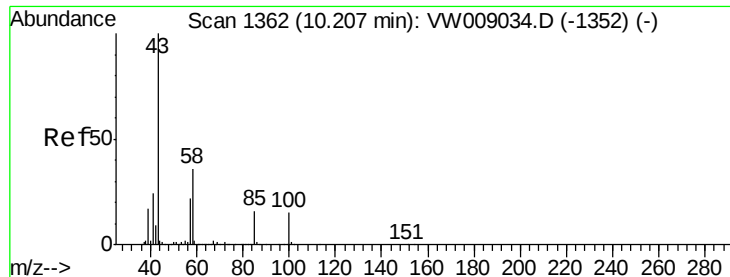


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 279.199 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 491576

Ion Ratio Lower Upper

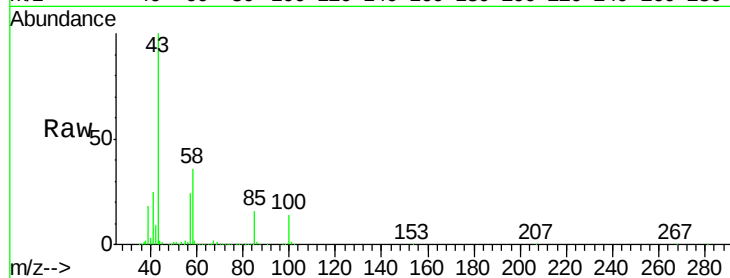
43 100

58 35.9 28.8 43.2

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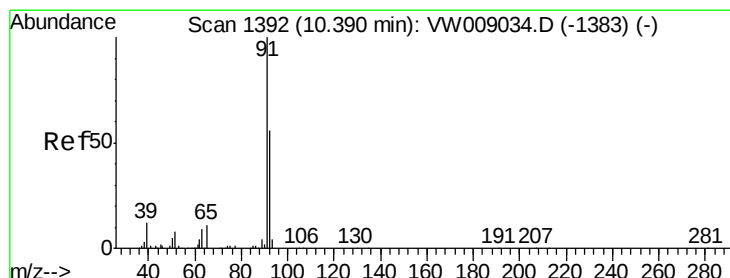
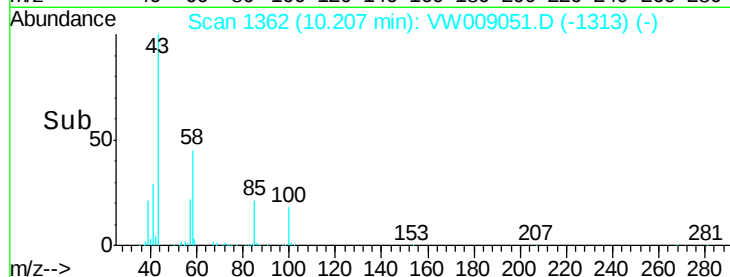
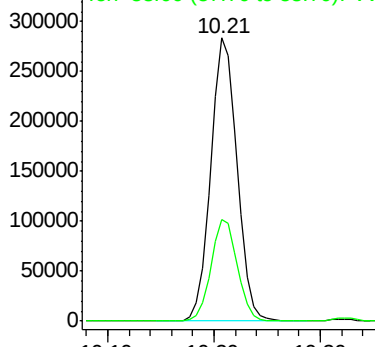
MMDadoda

3/8/2019 12:06:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 49.165 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009051.D

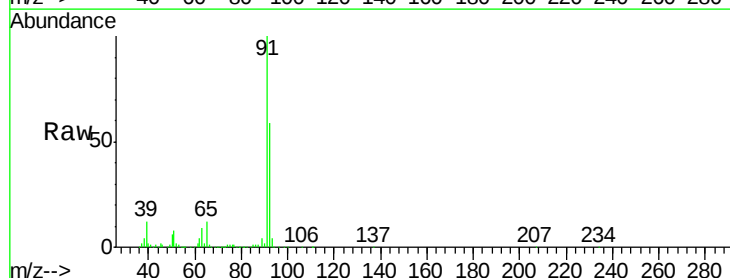
Acq: 07 Mar 2019 20:50

Tgt Ion: 92 Resp: 352860

Ion Ratio Lower Upper

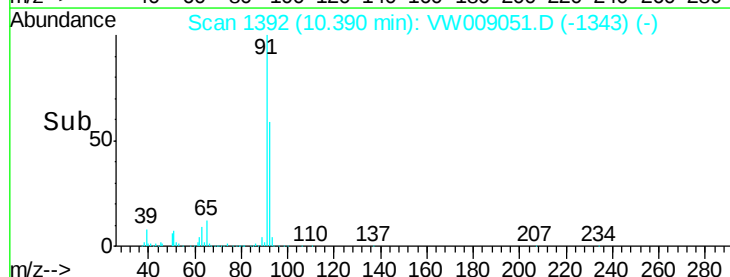
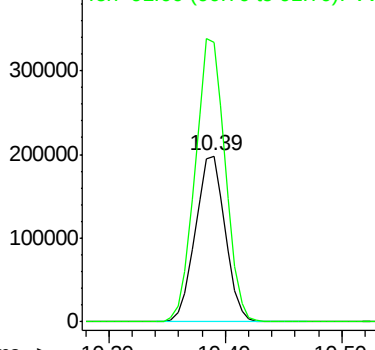
92 100

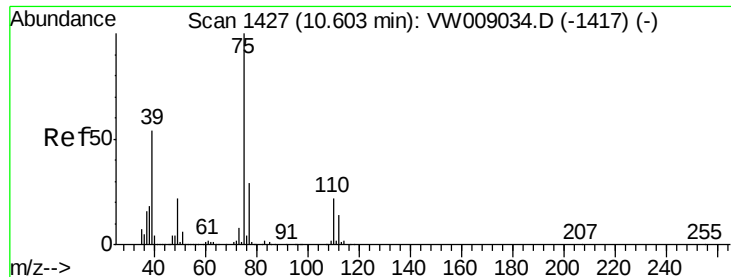
91 171.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





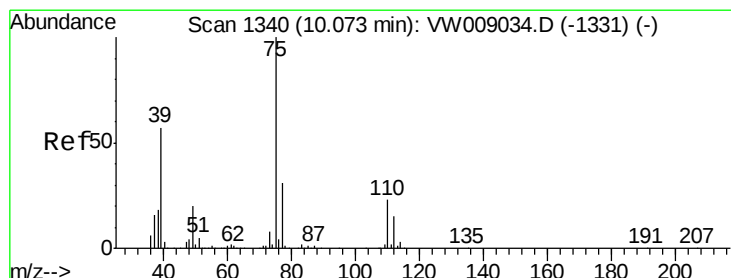
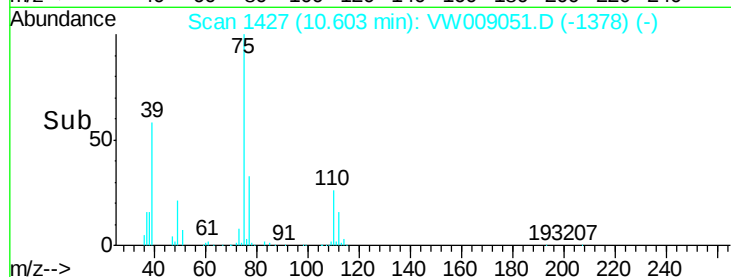
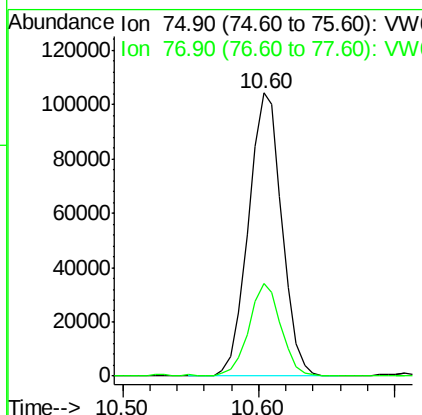
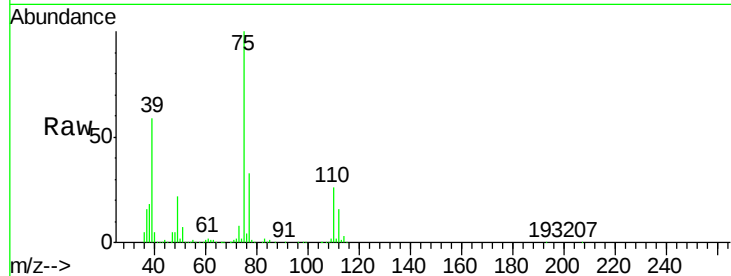
#53
t-1,3-Dichloropropene
Concen: 49.537 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 179528
Ion Ratio Lower Upper
75 100
77 32.6 23.6 35.4

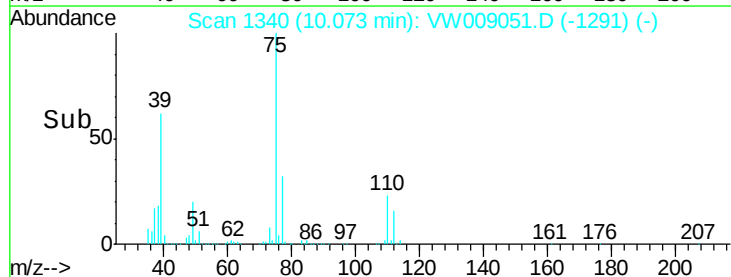
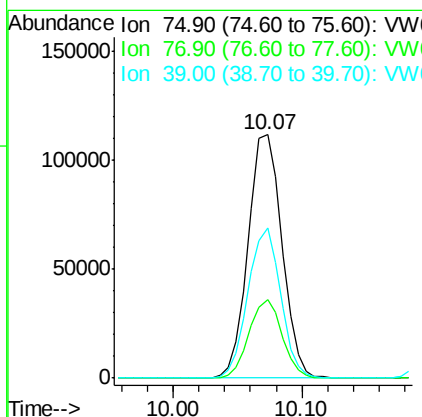
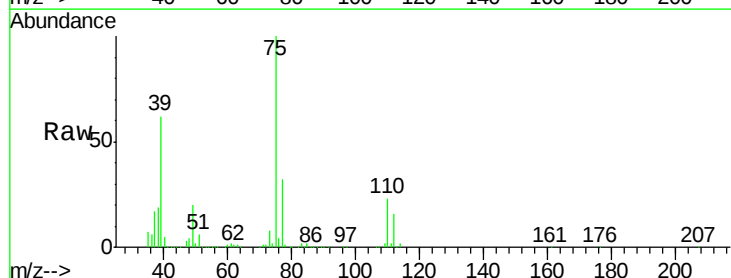
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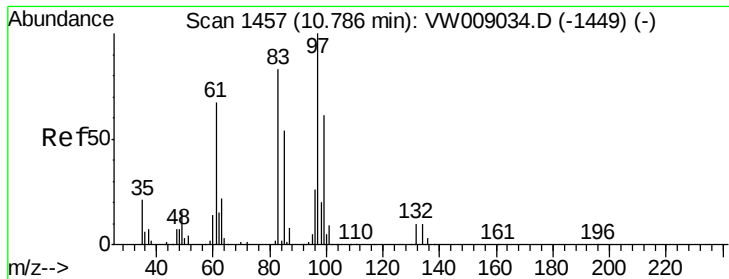
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#54
cis-1,3-Dichloropropene
Concen: 48.681 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 75 Resp: 202742
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 61.4 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 50.490 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

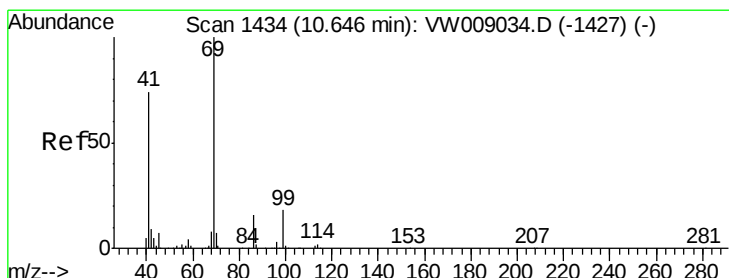
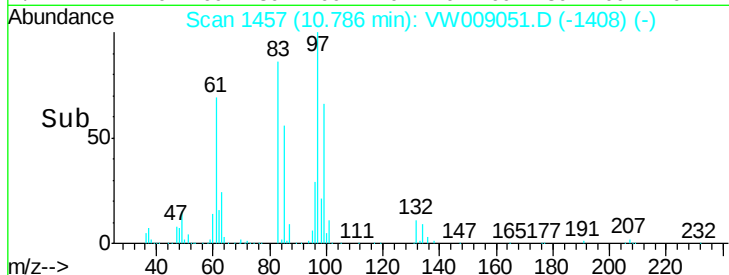
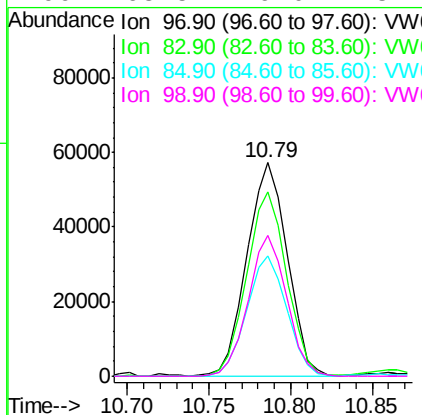
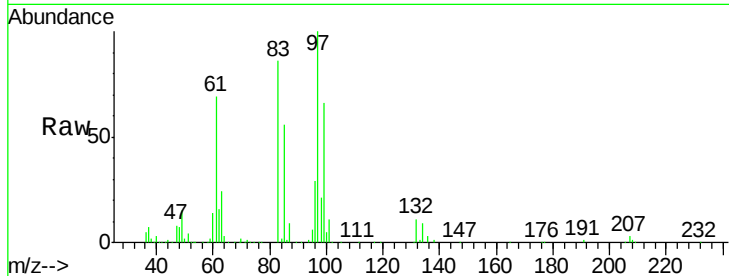
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	99061
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.2	99.2
85	56.0	43.6	65.4
99	65.5	49.0	73.4

Manual Integrations
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3/8/2019 12:06:14 PM



#56

Ethyl methacrylate

Concen: 56.126 ug/l

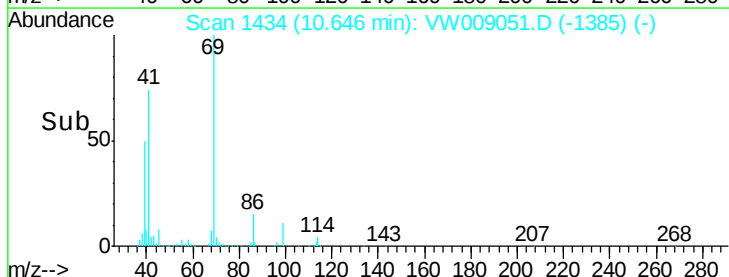
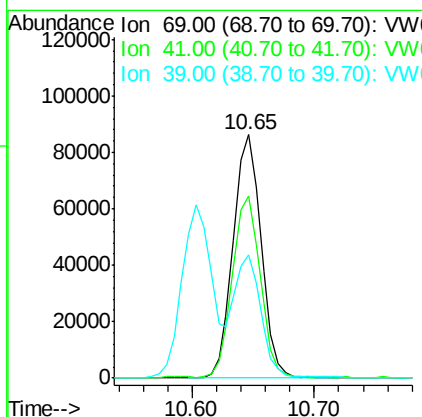
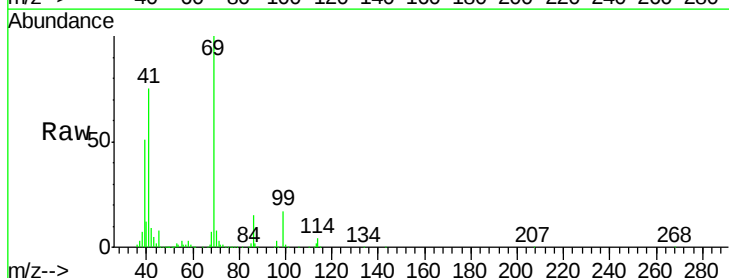
RT: 10.65 min Scan# 1434

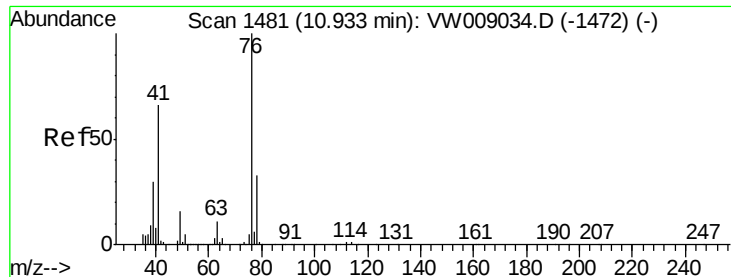
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	69	Resp:	136666
Ion	Ratio	Lower	Upper
69	100		
41	73.5	59.4	89.2
39	46.3	38.5	57.7





#57

1,3-Dichloropropane

Concen: 49.666 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 172622

Ion Ratio Lower Upper

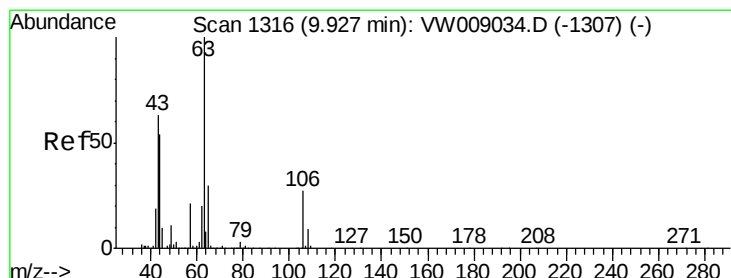
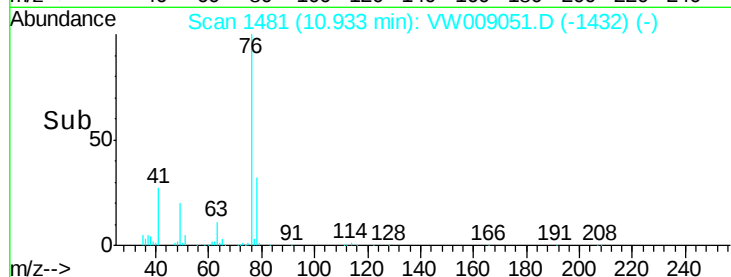
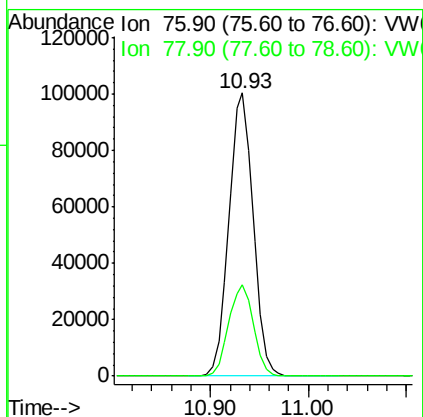
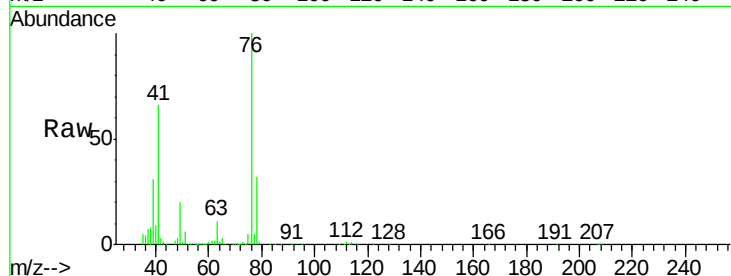
76 100

78 33.1 25.7 38.5

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3/8/2019 12:06:14 PM



#58

2-Chloroethyl Vinyl ether

Concen: 265.646 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009051.D

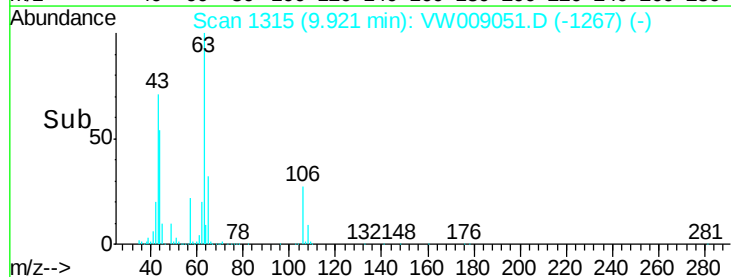
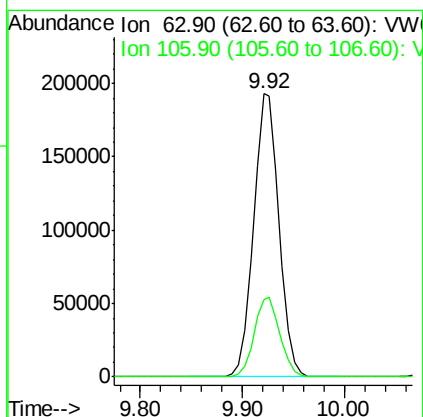
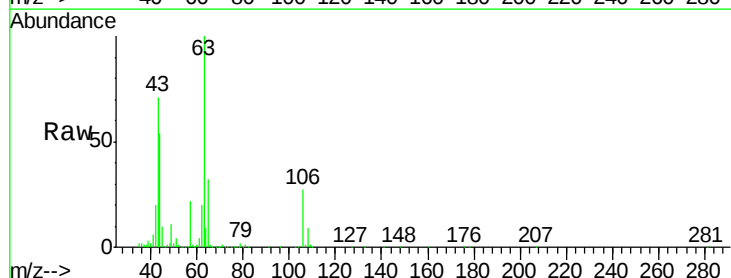
Acq: 07 Mar 2019 20:50

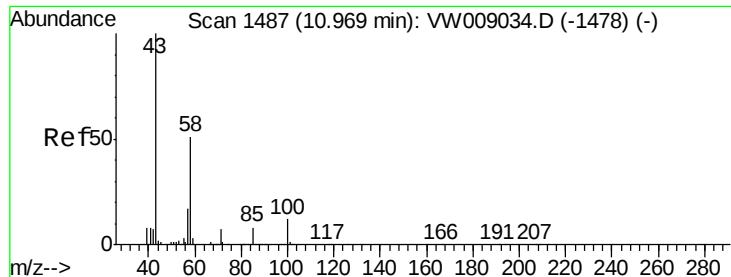
Tgt Ion: 63 Resp: 335329

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





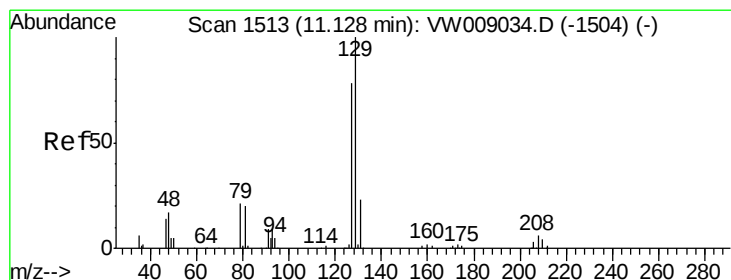
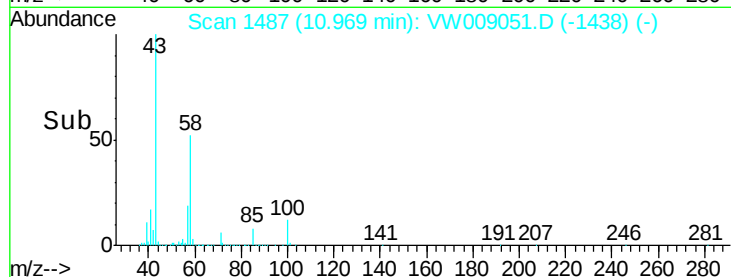
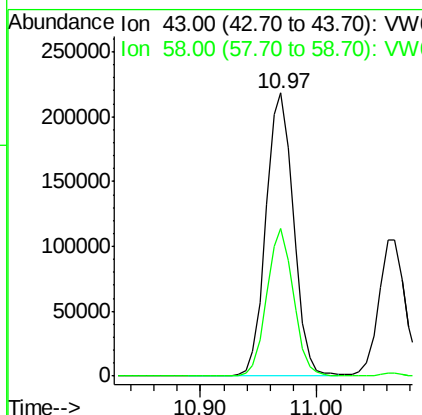
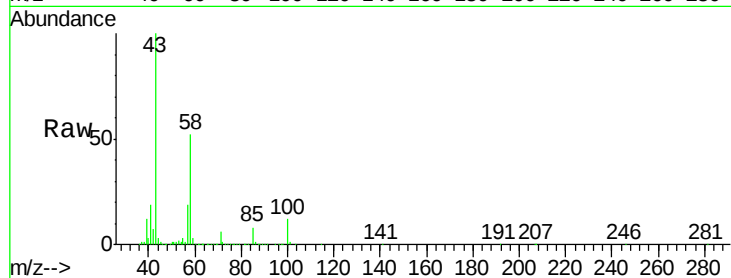
#59
2-Hexanone
Concen: 287.844 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 356321
Ion Ratio Lower Upper
43 100
58 50.1 25.3 75.9

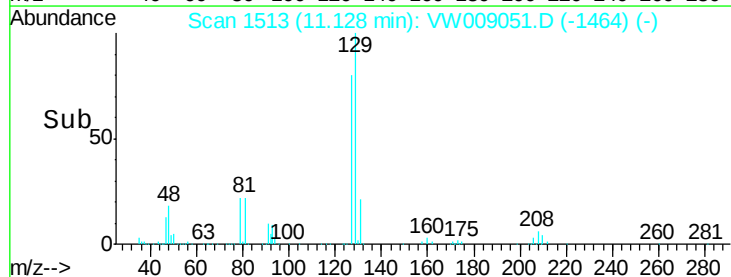
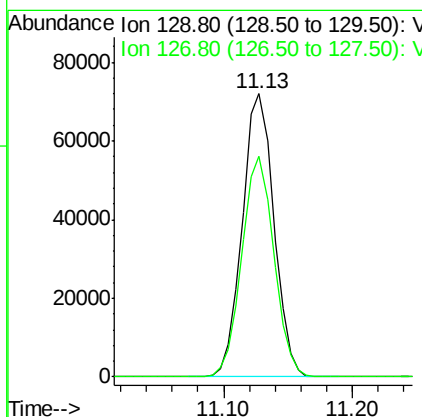
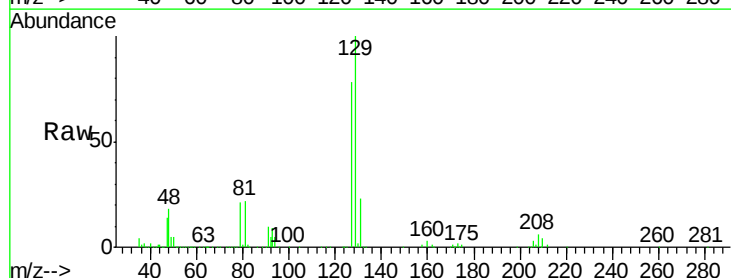
Manual Integrations
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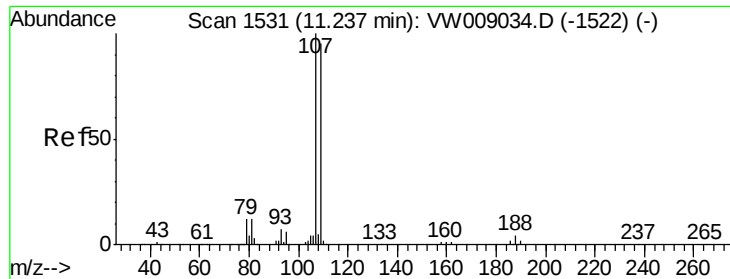
MMDadoda
3/8/2019 12:06:14 PM



#60
Dibromochloromethane
Concen: 50.317 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 129 Resp: 122172
Ion Ratio Lower Upper
129 100
127 79.0 38.4 115.1





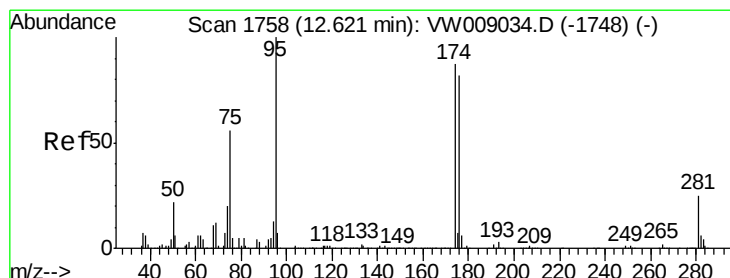
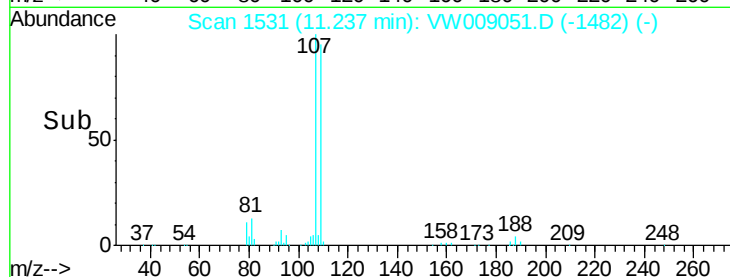
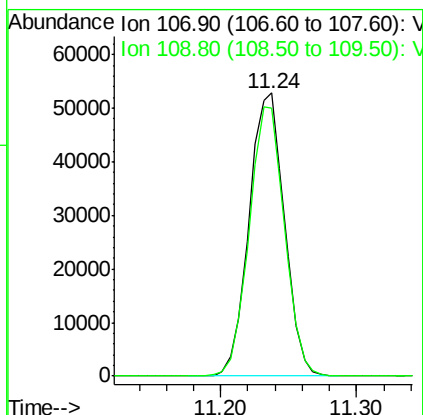
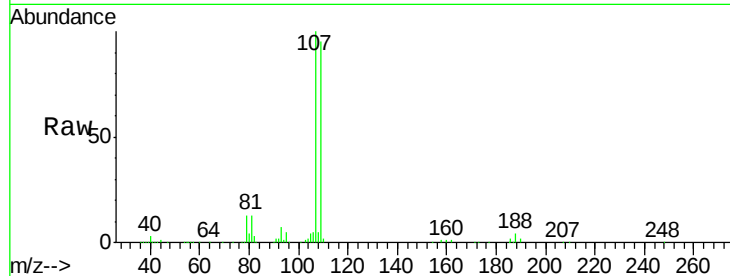
#61
 1,2-Dibromoethane
 Concen: 50.011 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 96190
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.7 112.1

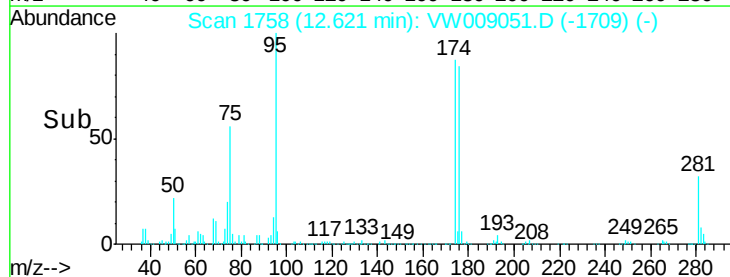
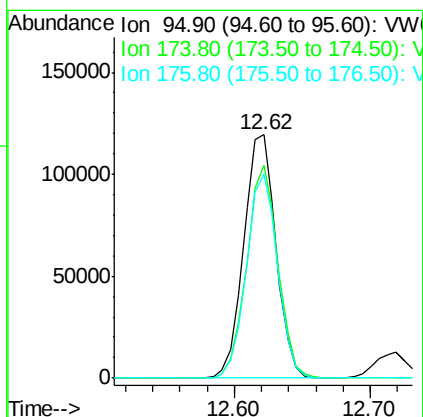
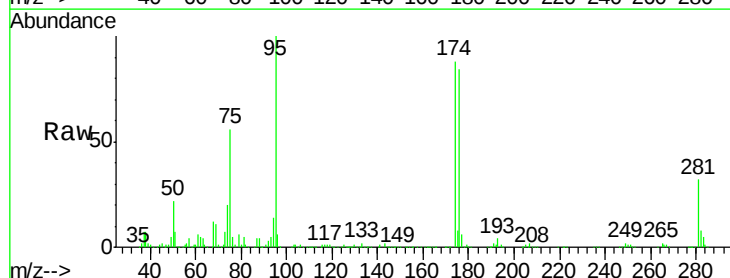
Manual Integrations
 APPROVED

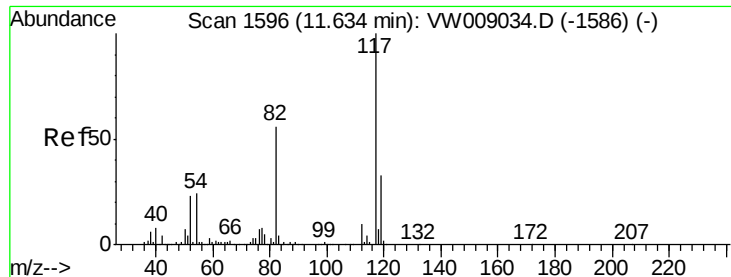
MMDadoda
 3/8/2019 12:06:14 PM



#62
 4-Bromofluorobenzene
 Concen: 53.376 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 95 Resp: 197003
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 167.0
 176 81.4 0.0 159.4





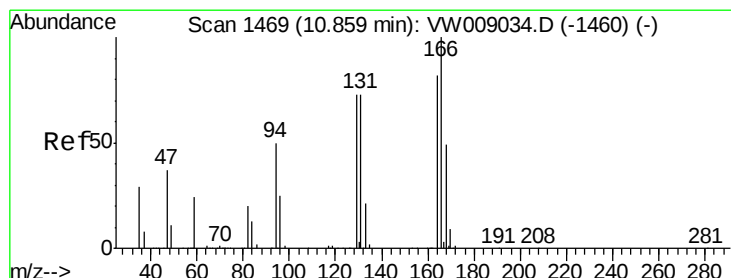
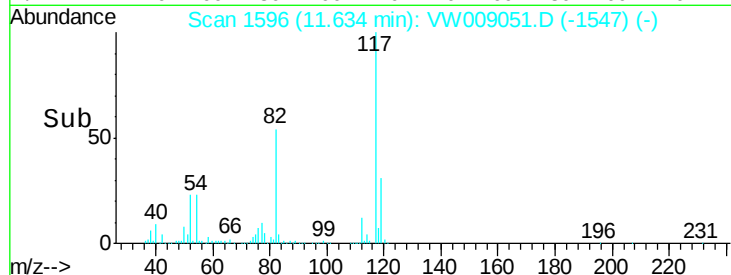
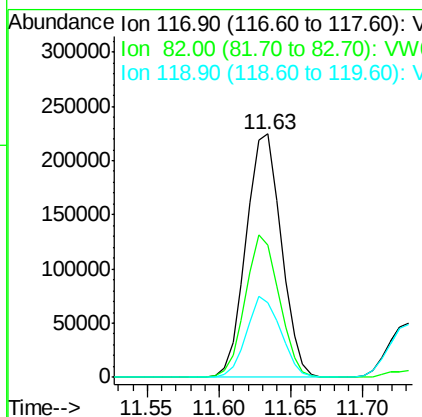
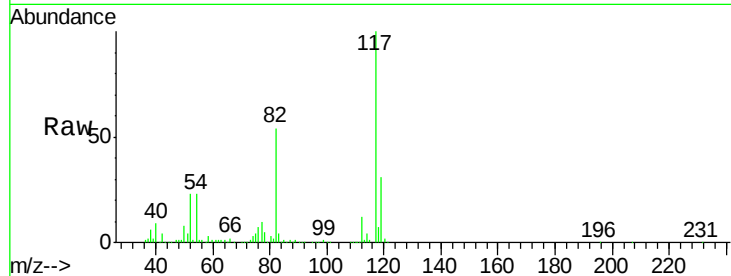
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.6
119	30.9	26.6	39.8

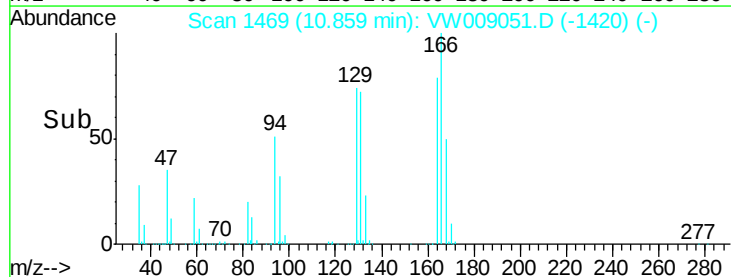
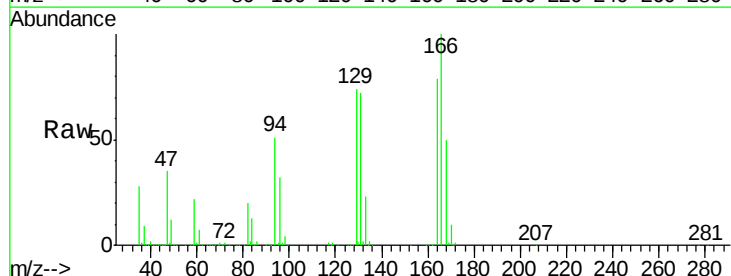
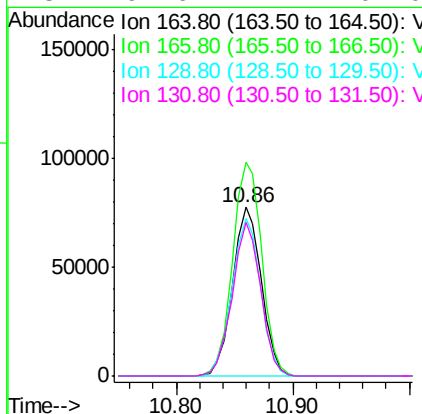
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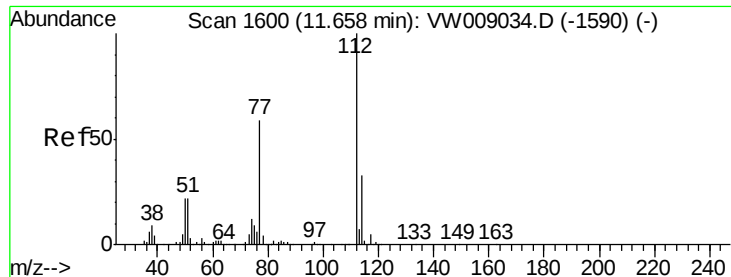
MMDadoda
3/8/2019 12:06:14 PM



#64
Tetrachloroethene
Concen: 48.798 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	97.8	146.6
129	93.3	71.6	107.4
131	91.6	71.4	107.0





#65

Chlorobenzene

Concen: 47.815 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 395321

Ion Ratio Lower Upper

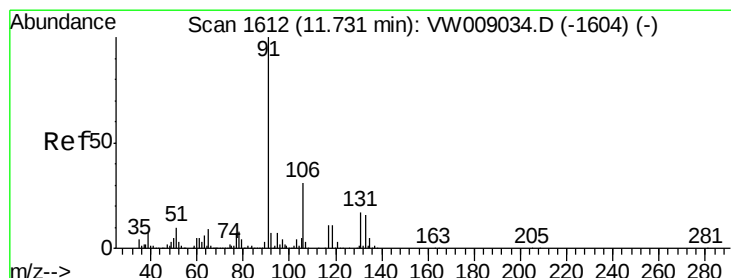
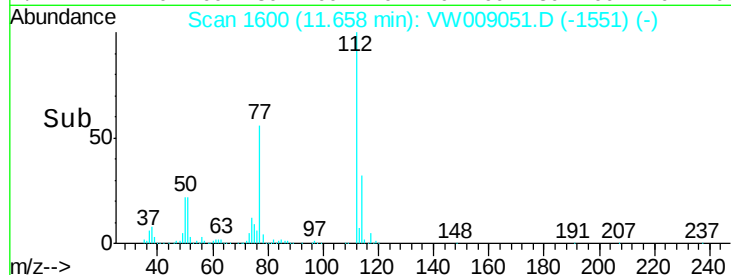
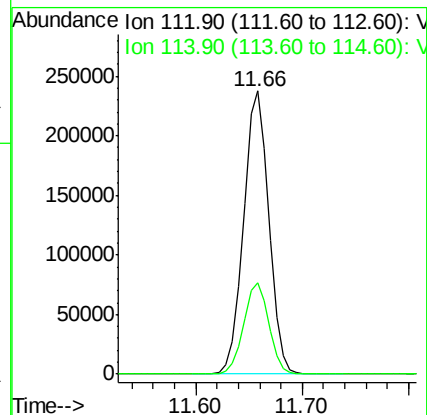
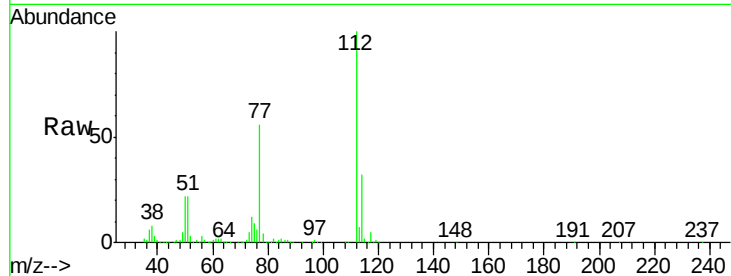
112 100

114 32.1 26.6 40.0

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 46.877 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

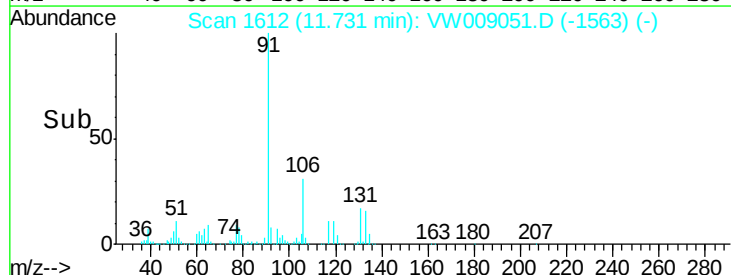
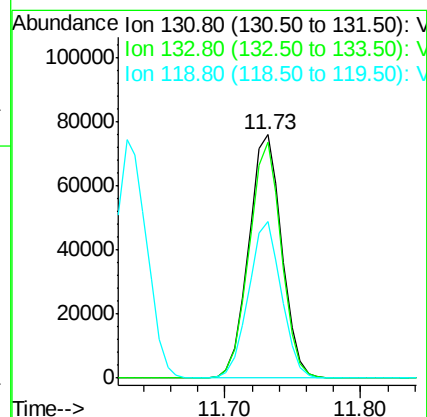
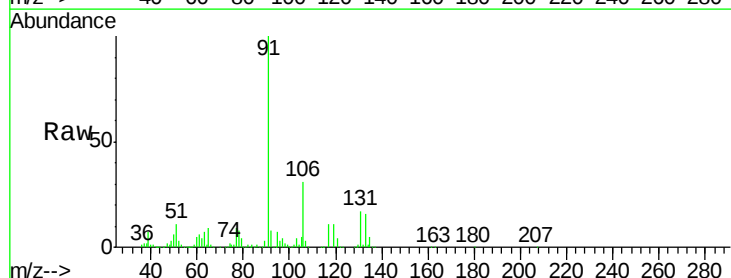
Tgt Ion:131 Resp: 129407

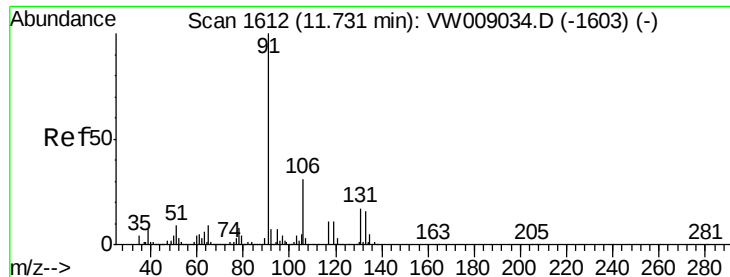
Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.8

119 63.7 31.3 93.8





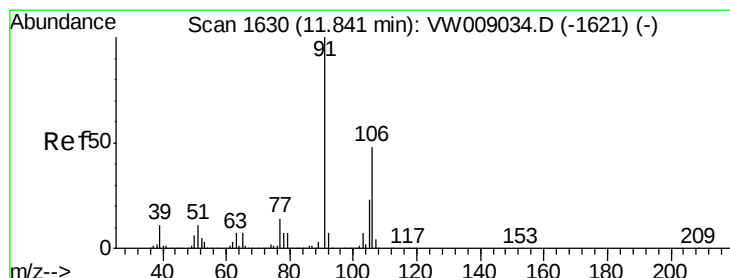
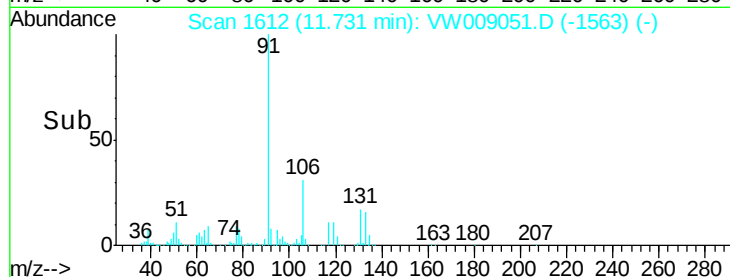
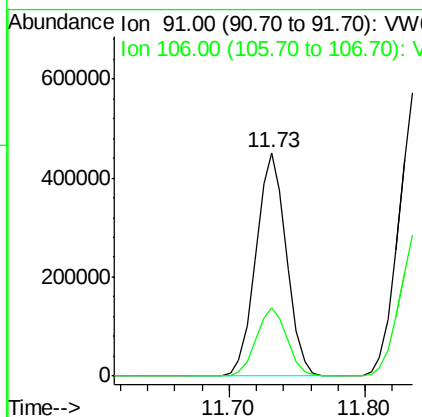
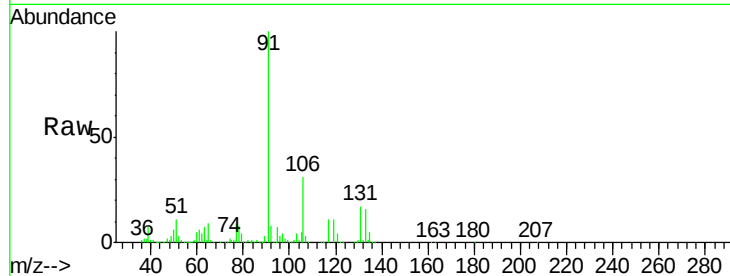
#67
Ethyl Benzene
Concen: 47.471 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 709025
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

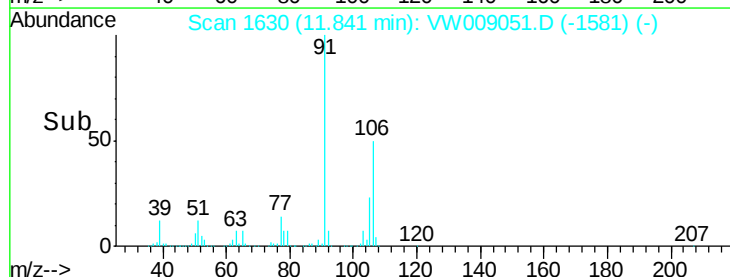
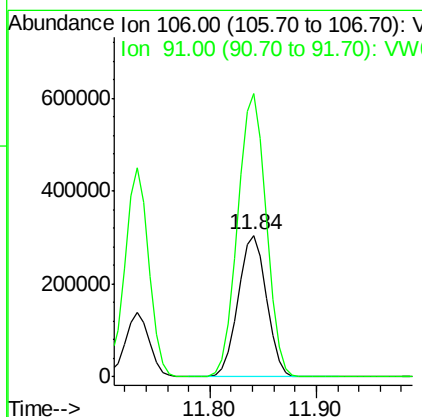
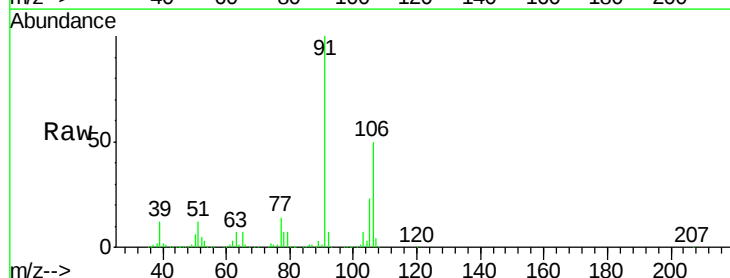
Manual Integrations
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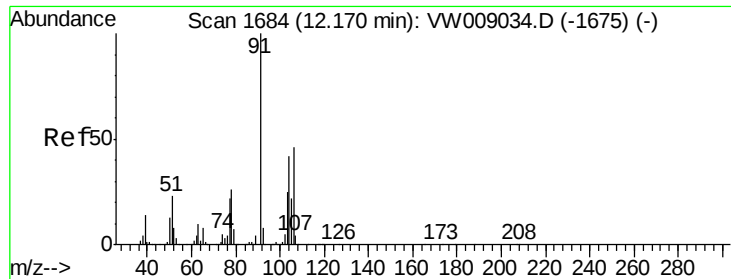
MMDadoda
3/8/2019 12:06:14 PM



#68
m/p-Xylenes
Concen: 96.891 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 106 Resp: 571220
Ion Ratio Lower Upper
106 100
91 201.4 163.2 244.8





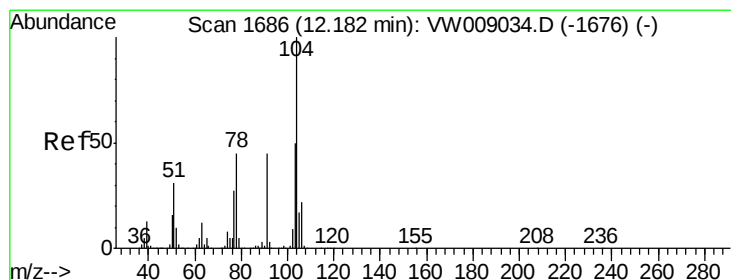
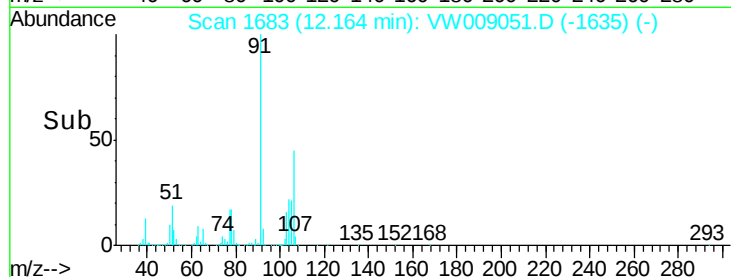
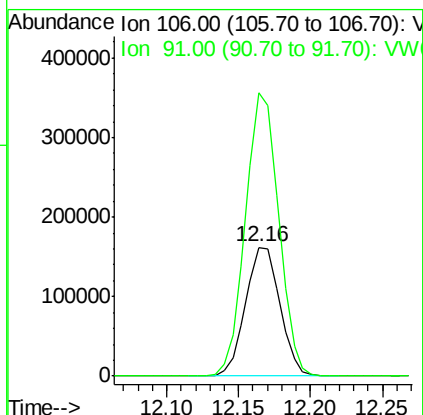
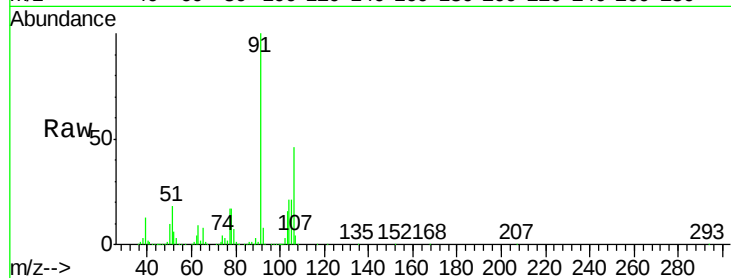
#69
o-Xylene
Concen: 48.761 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	108.6	325.6

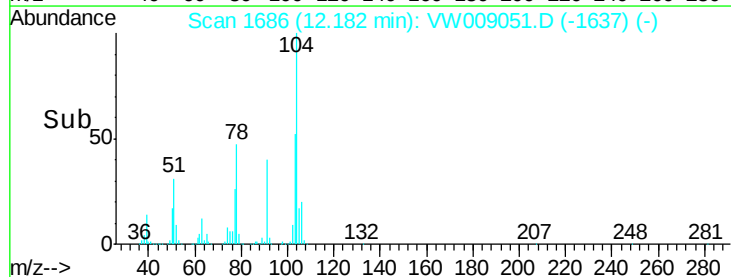
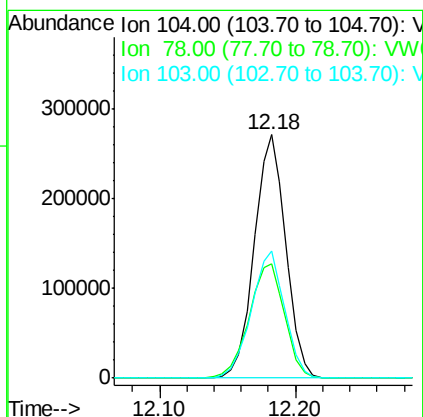
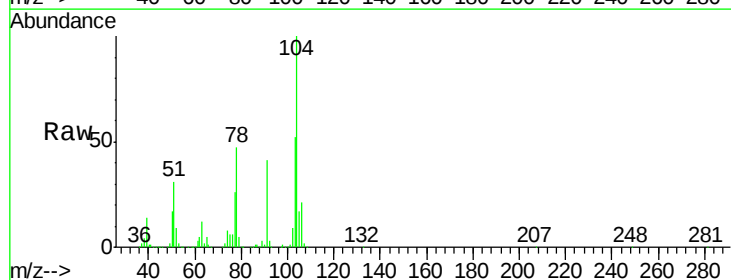
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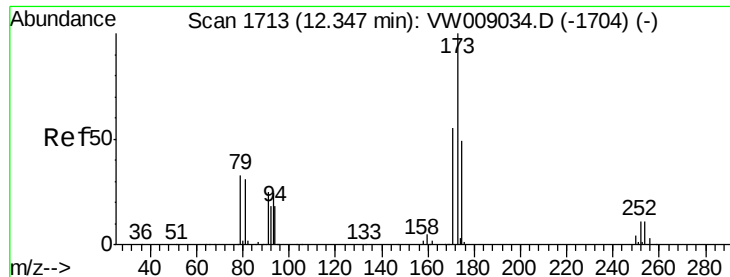
MMDadoda
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#70
Styrene
Concen: 49.522 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.1	63.1
103	55.5	43.9	65.9





#71

Bromoform

Concen: 50.378 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 74673

Ion Ratio Lower Upper

173 100

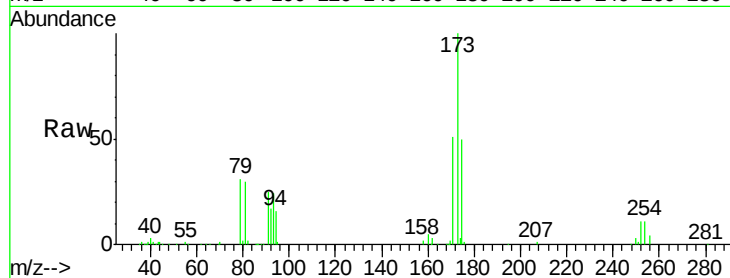
175 49.0 24.6 74.0

254 0.0 0.0 0.0#

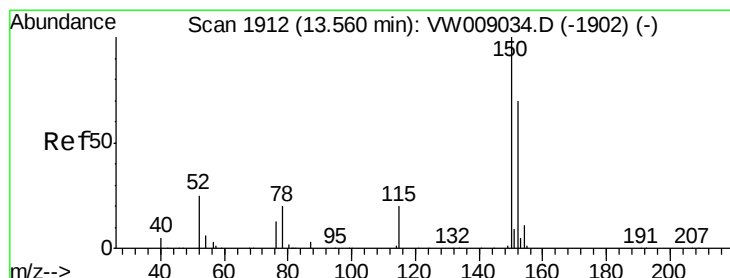
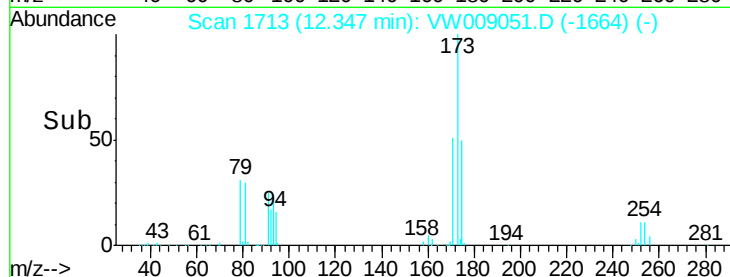
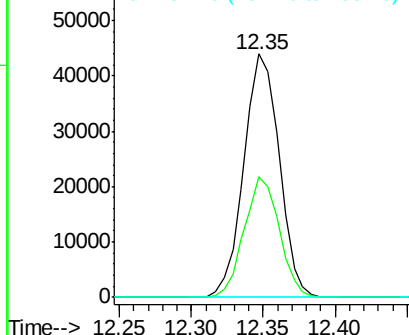
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

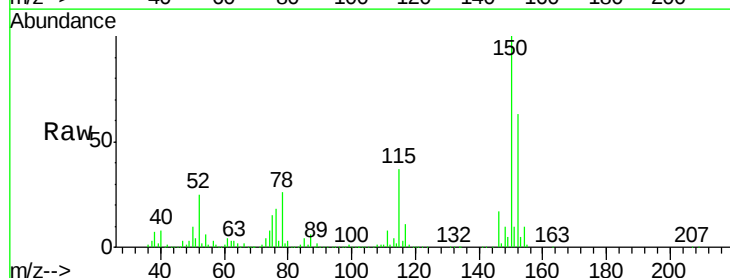
Tgt Ion:152 Resp: 213281

Ion Ratio Lower Upper

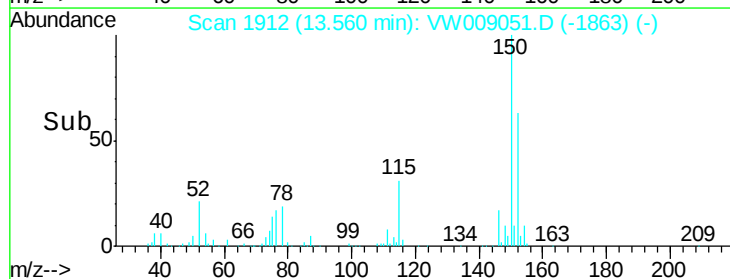
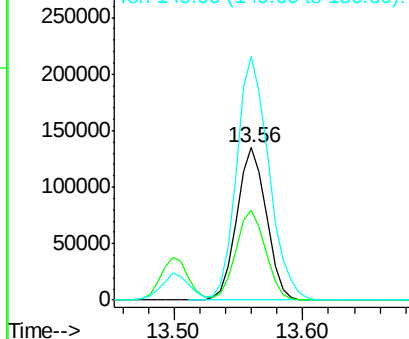
152 100

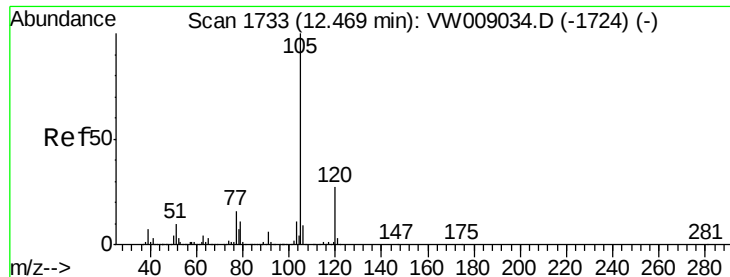
115 59.1 28.9 86.7

150 175.3 0.0 349.2



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: 47.701 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 728553

Ion Ratio Lower Upper

105 100

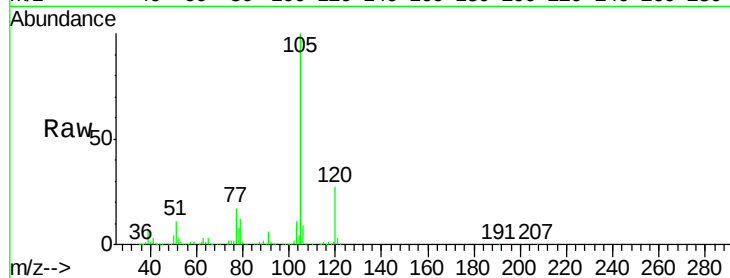
120 26.4 13.2 39.6

Manual Integrations

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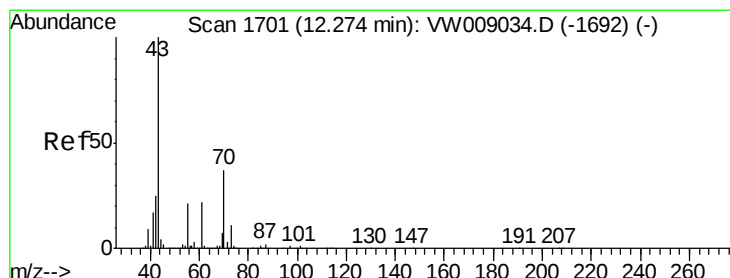
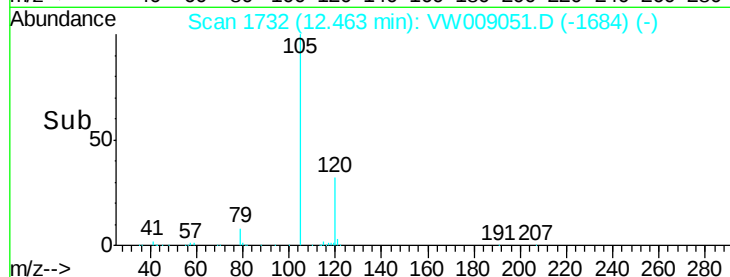
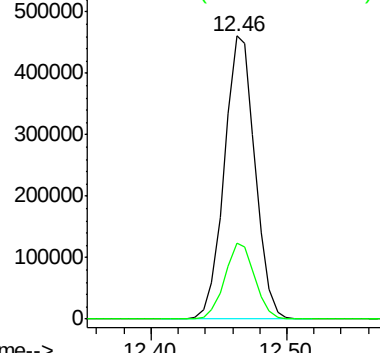
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.285 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion: 43 Resp: 199893

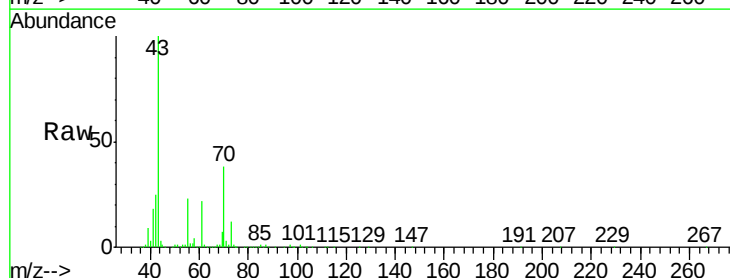
Ion Ratio Lower Upper

43 100

70 39.0 30.8 46.2

55 24.0 17.8 26.8

61 21.4 17.4 26.2

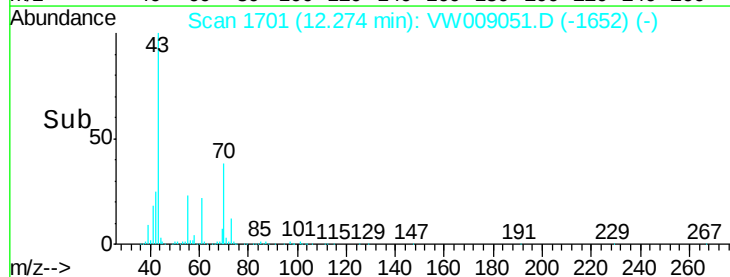
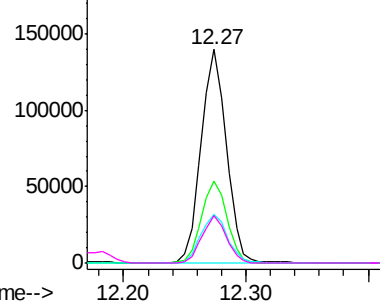


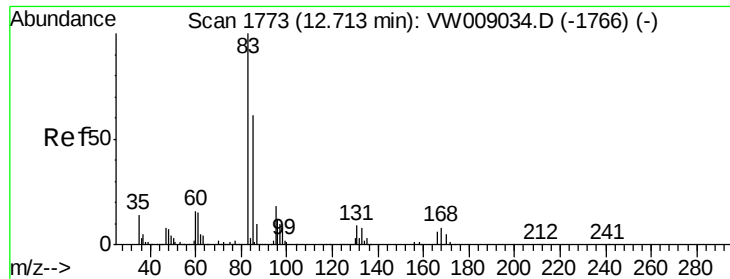
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 50.839 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

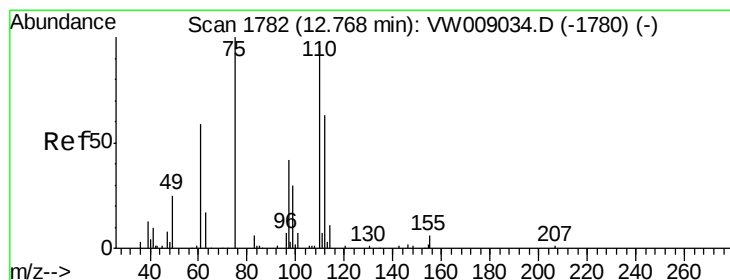
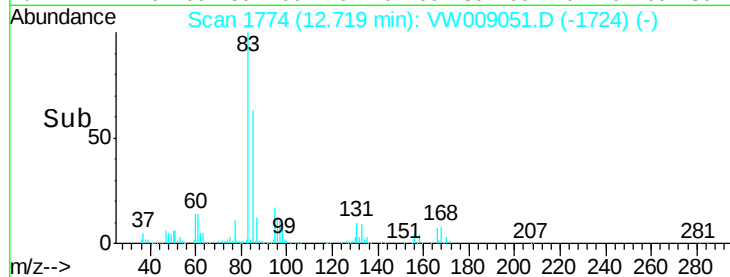
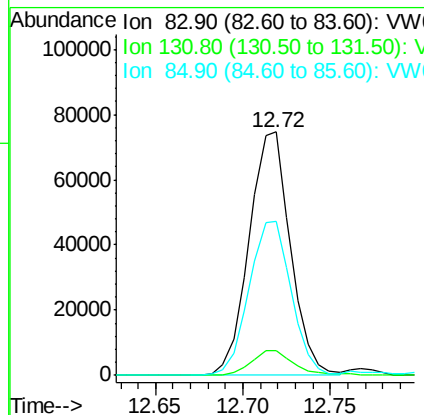
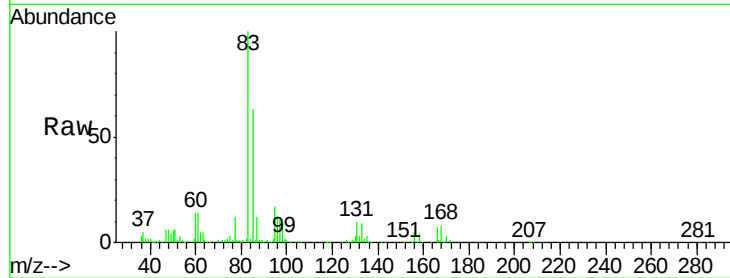
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	122483
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	64.9	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 52.722 ug/l m

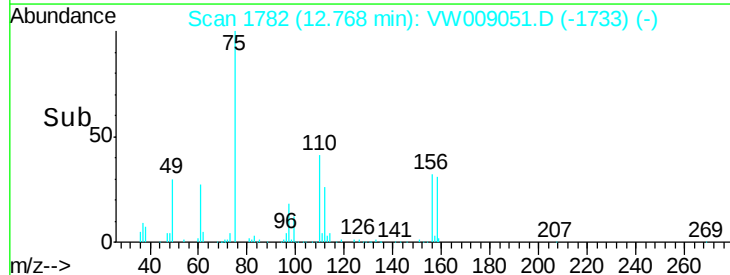
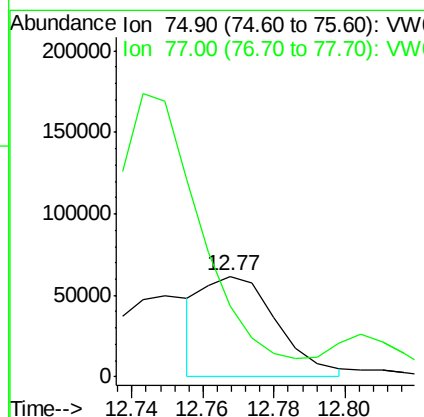
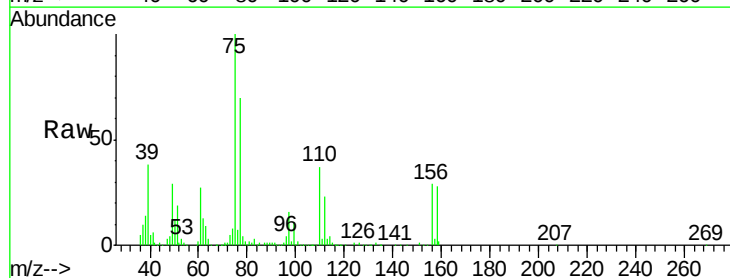
RT: 12.77 min Scan# 1782

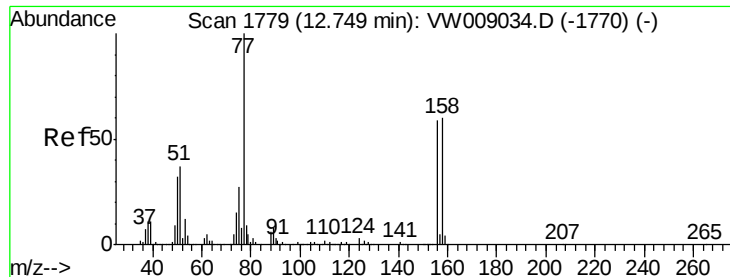
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	75	Resp:	88841
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 48.977 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

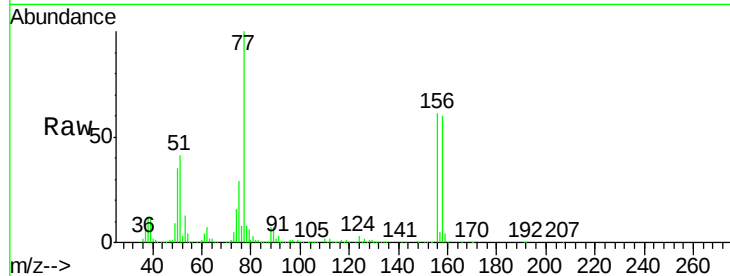
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	170920
Ion Ratio	Lower	Upper	
156	100		
77	185.7	93.0	279.2
158	96.0	50.0	149.8

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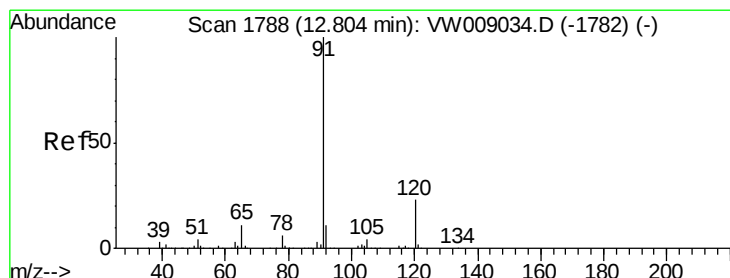
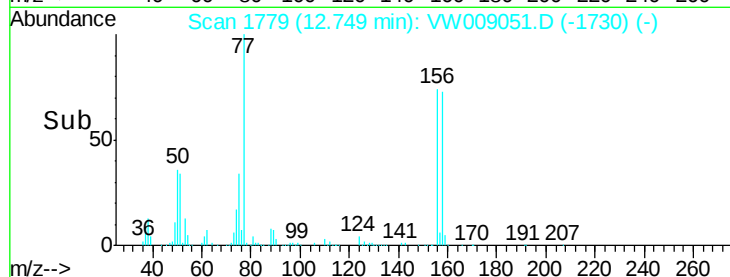
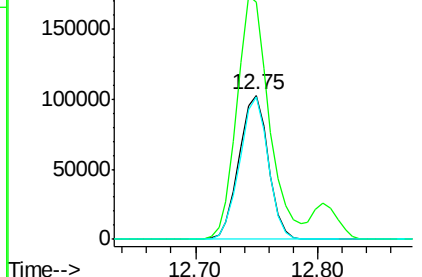
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.933 ug/l

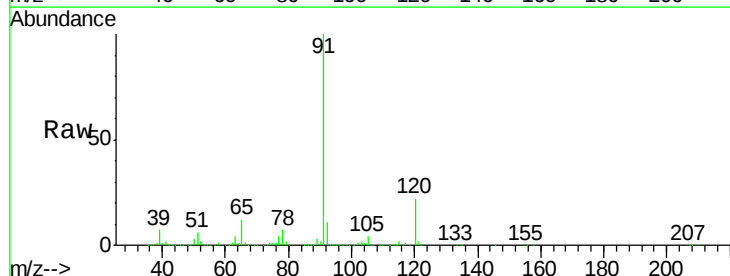
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009051.D

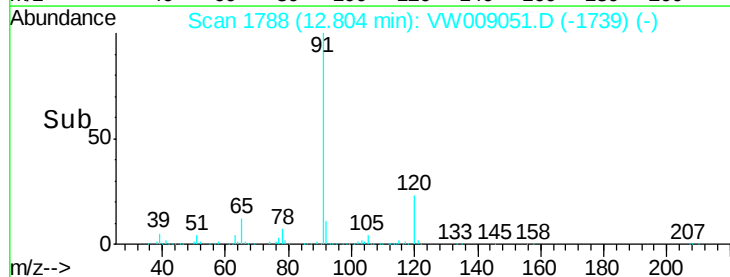
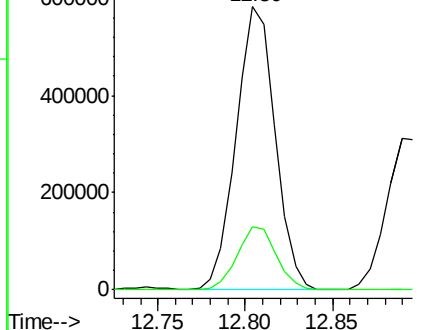
Acq: 07 Mar 2019 20:50

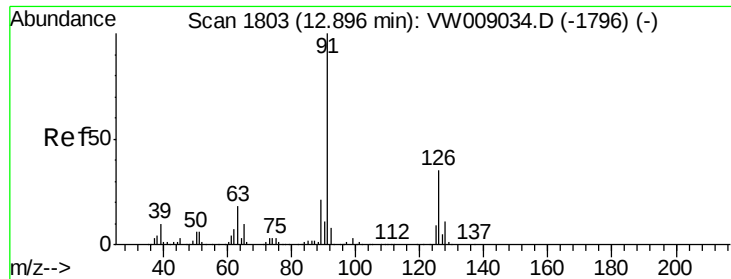
Tgt Ion:	91	Resp:	901752
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.767 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 515465

Ion Ratio Lower Upper

91 100

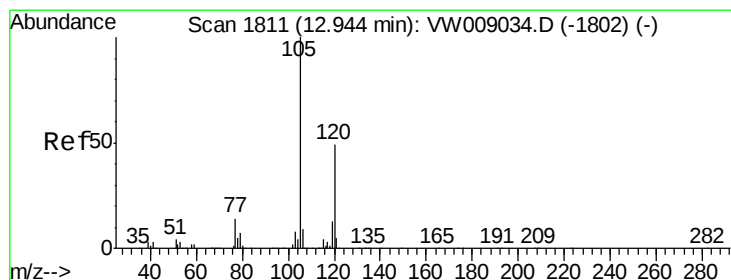
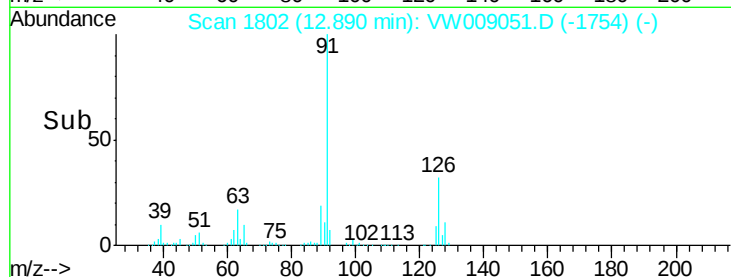
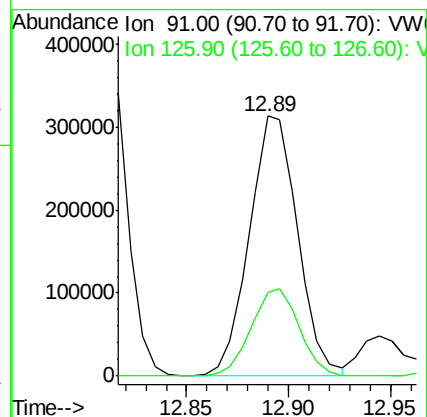
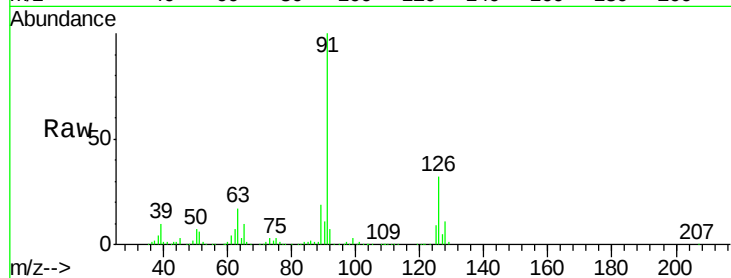
126 33.3 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 48.052 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009051.D

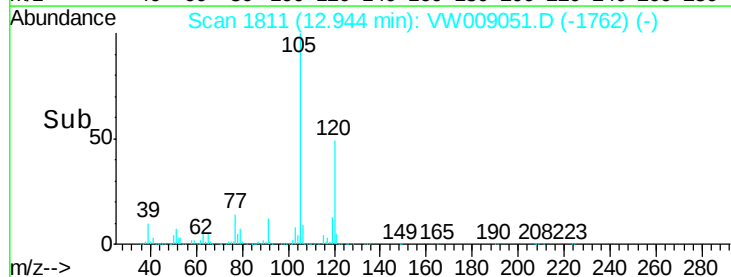
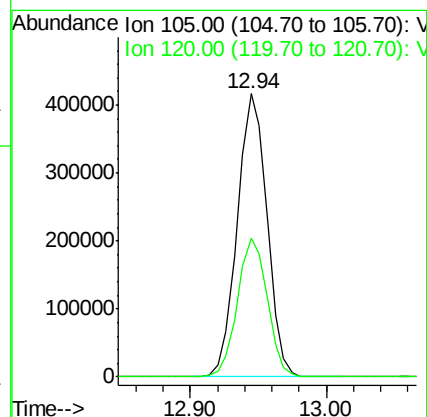
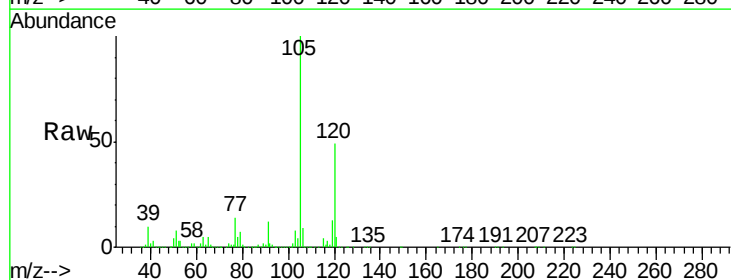
Acq: 07 Mar 2019 20:50

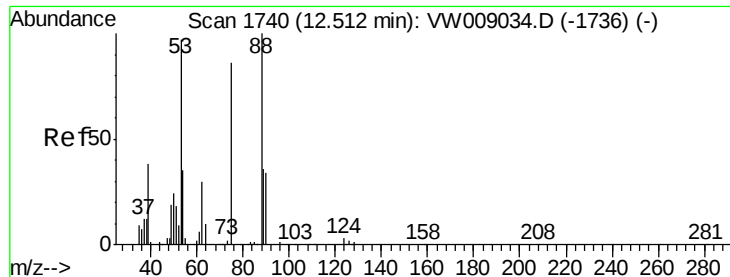
Tgt Ion: 105 Resp: 632619

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





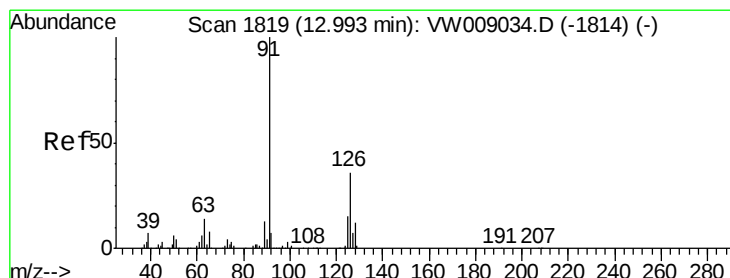
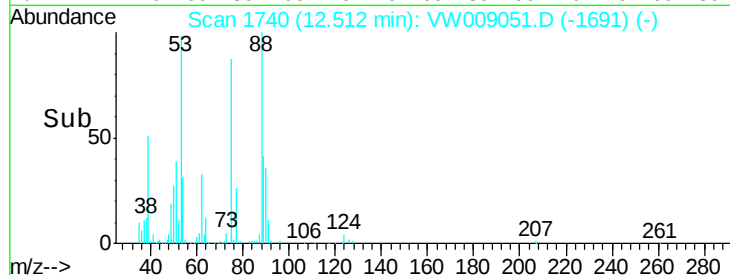
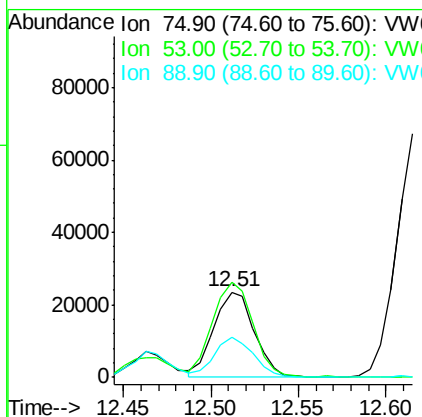
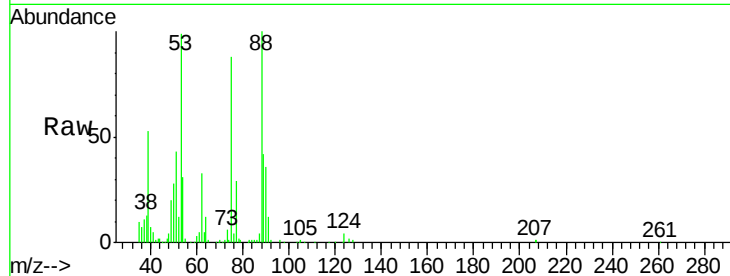
#81
trans-1,4-Dichloro-2-butene
Concen: 50.133 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.2	90.5	135.7
89	45.8	37.5	56.3

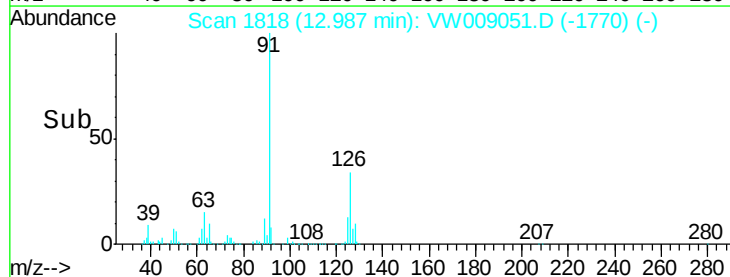
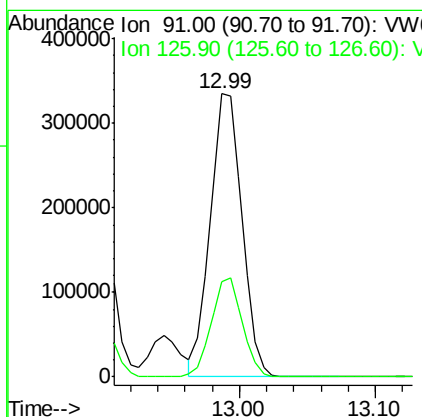
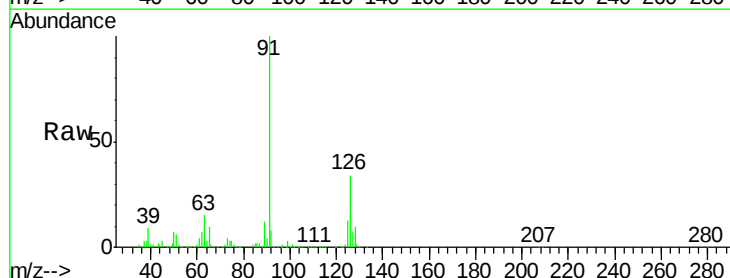
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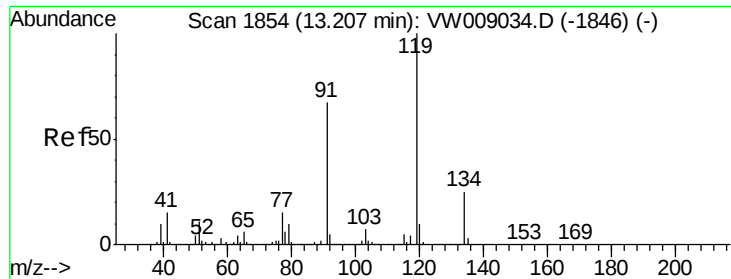
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#82
4-Chlorotoluene
Concen: 48.003 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.6	49.8





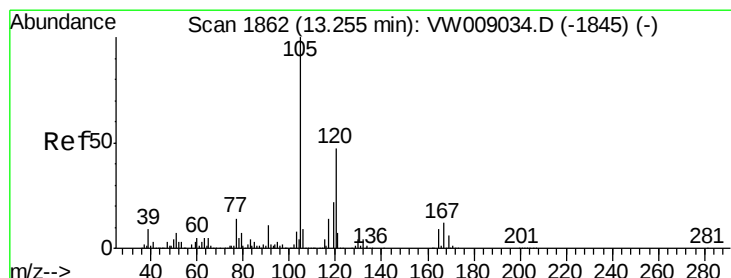
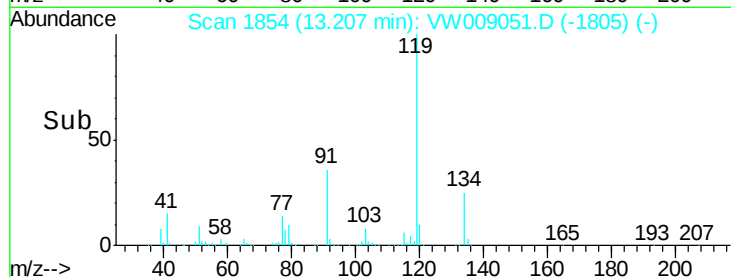
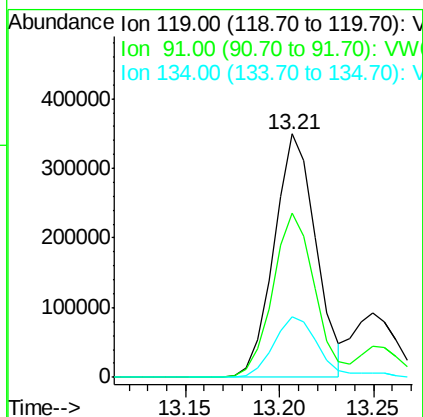
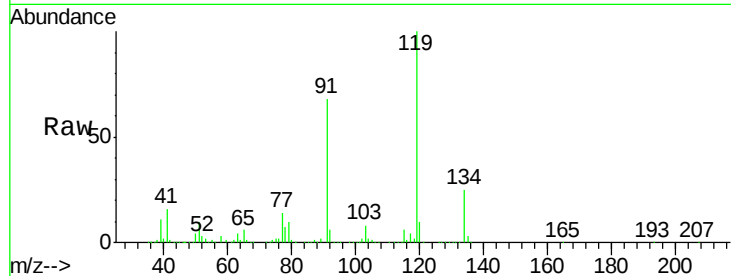
#83
 tert-Butylbenzene
 Concen: 48.395 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.2	102.5
134	27.6	13.9	41.6

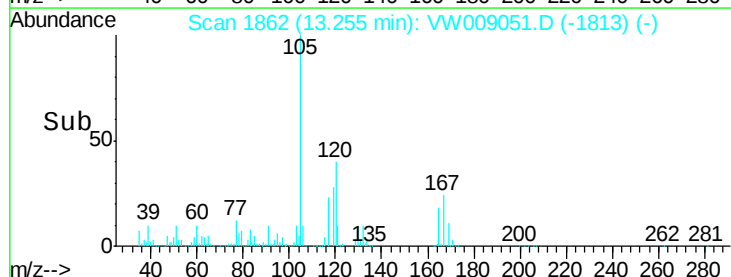
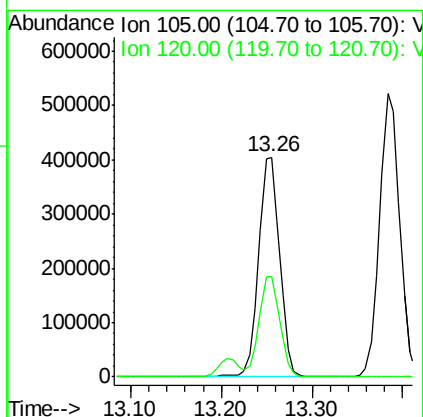
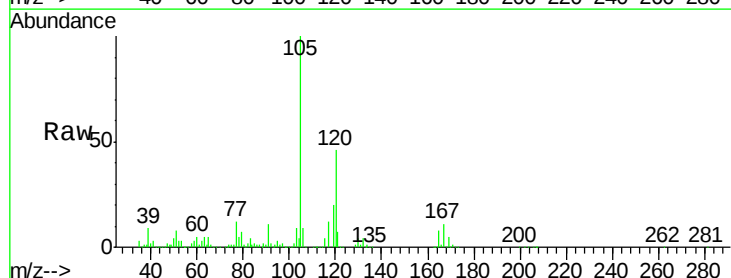
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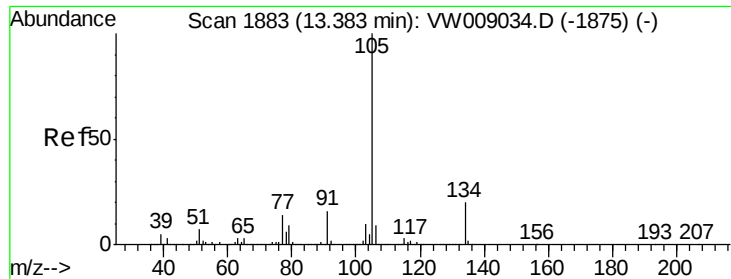
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.697 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 48.542 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 798569

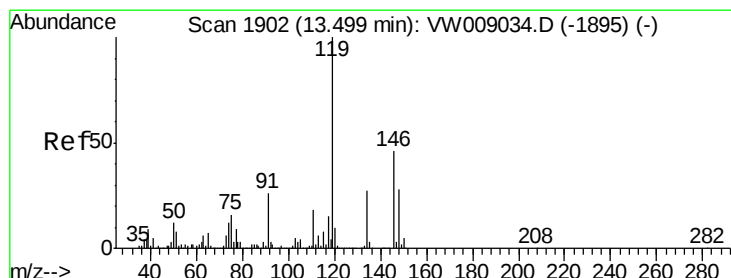
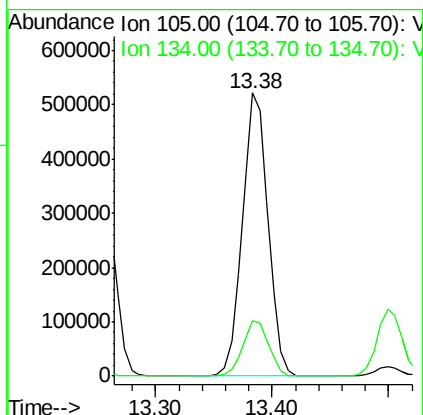
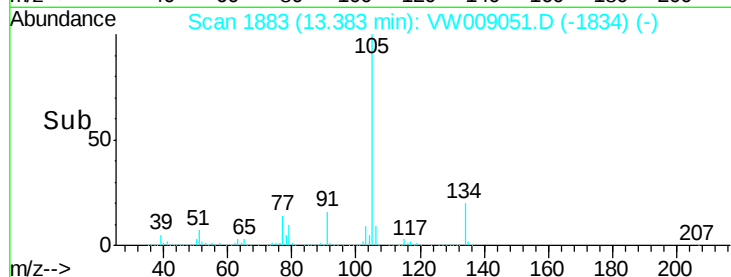
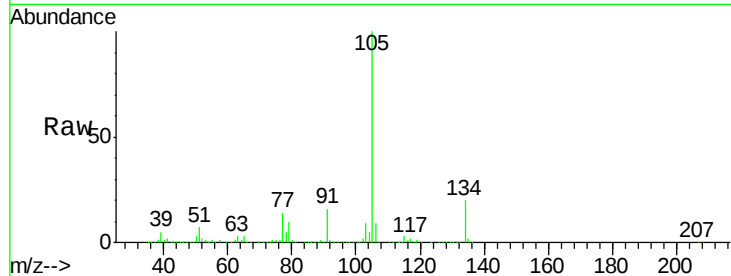
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 48.140 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

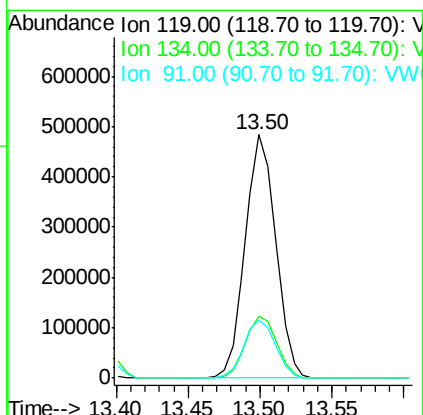
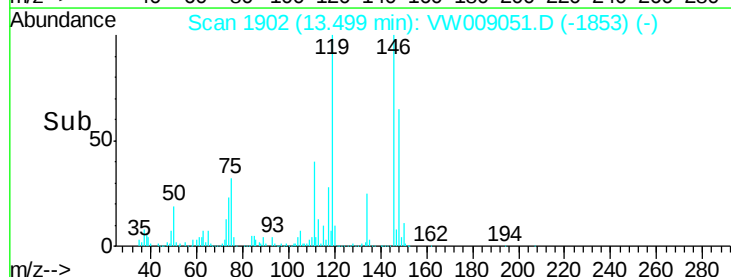
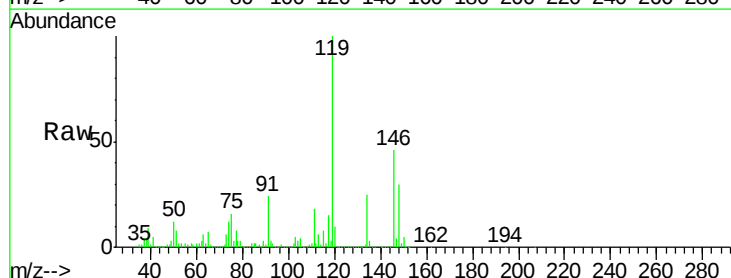
Tgt Ion:119 Resp: 708466

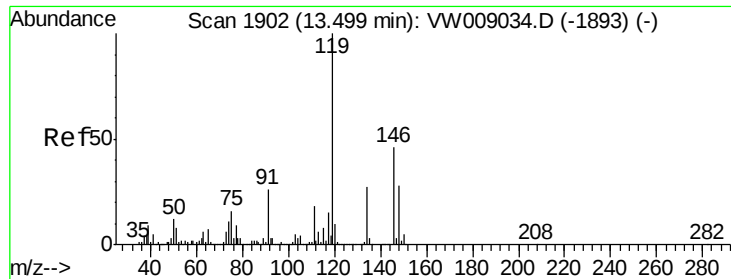
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 24.5 12.3 36.9





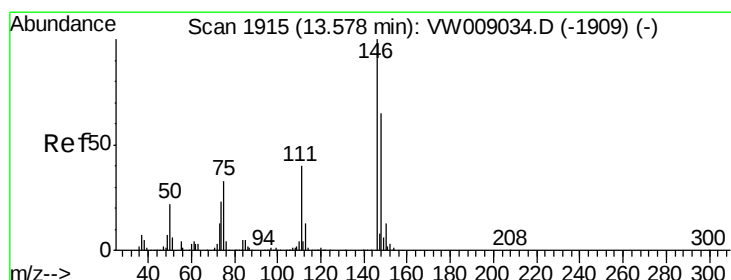
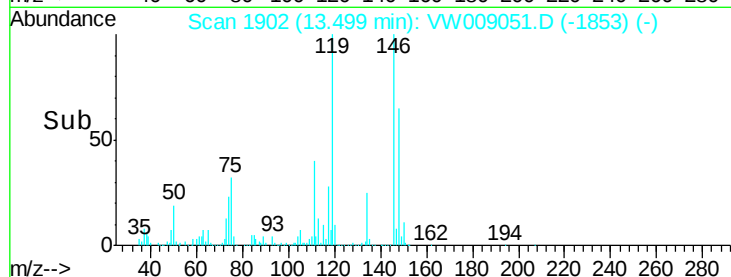
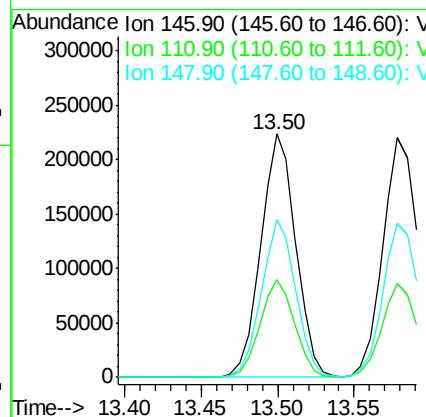
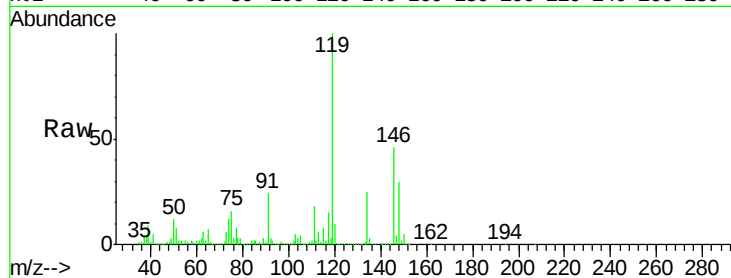
#87
 1,3-Dichlorobenzene
 Concen: 48.367 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	63.9	31.6	94.8

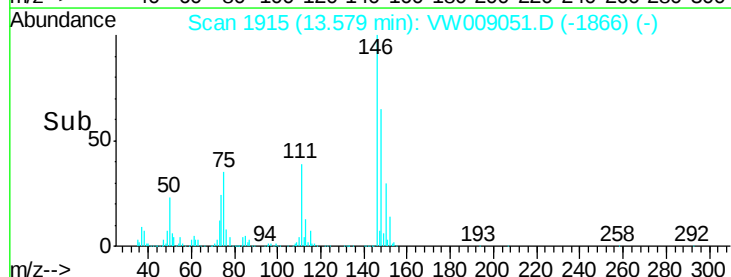
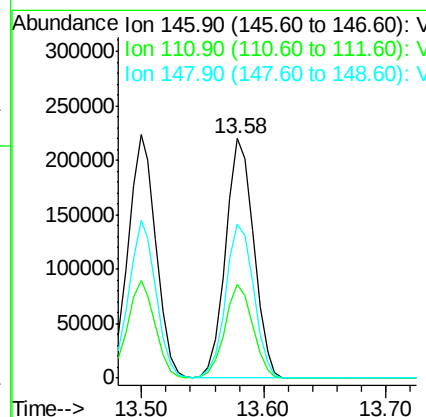
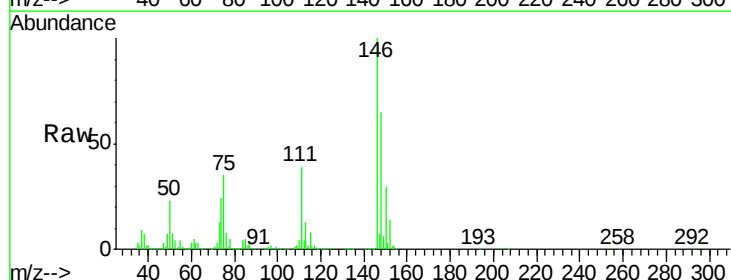
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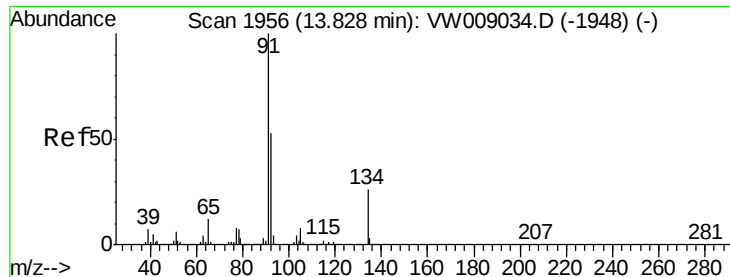
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#88
 1,4-Dichlorobenzene
 Concen: 48.253 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.6	32.2	96.6





#89

n-Butylbenzene

Concen: 48.150 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

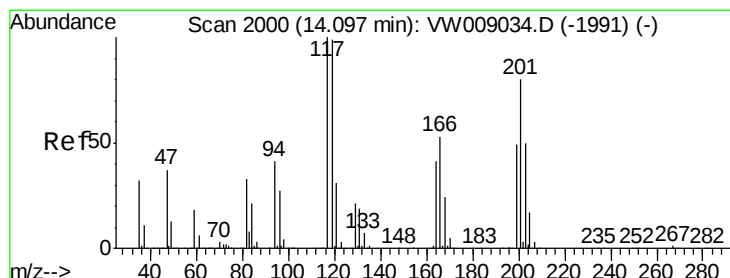
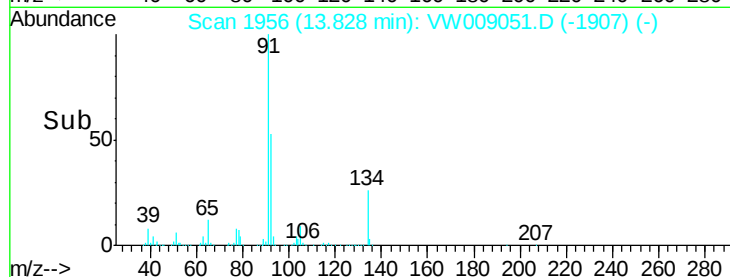
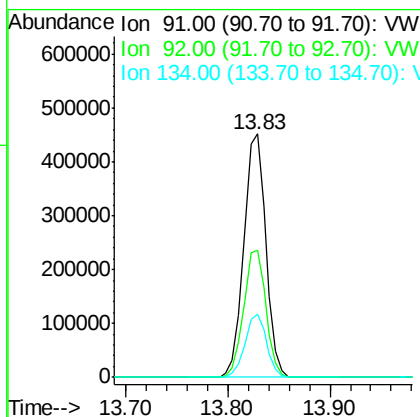
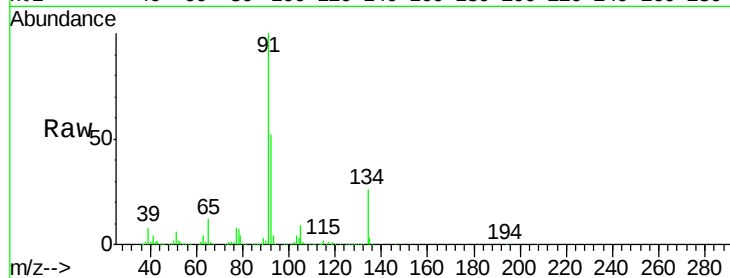
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	673645
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.8	80.3
134	25.5	12.9	38.7

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#90

Hexachloroethane

Concen: 48.893 ug/l

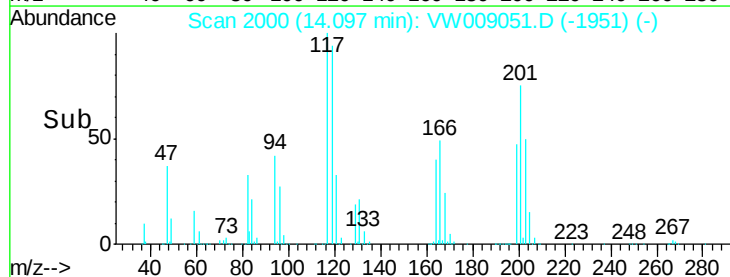
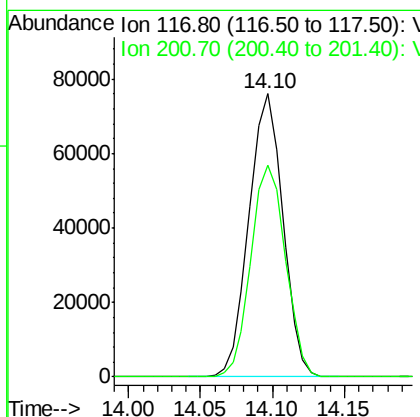
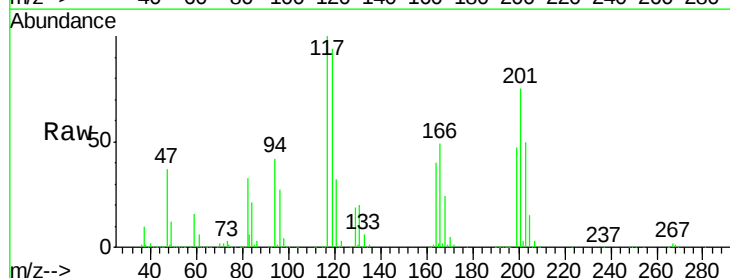
RT: 14.10 min Scan# 2000

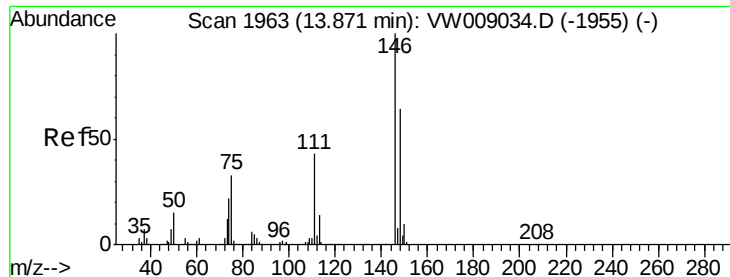
Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	117	Resp:	124099
Ion Ratio	Lower	Upper	
117	100		
201	76.4	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 49.569 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

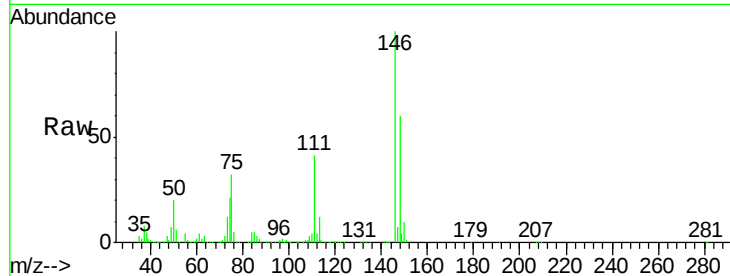
ClientSampleId :

VSTDCCC050EC

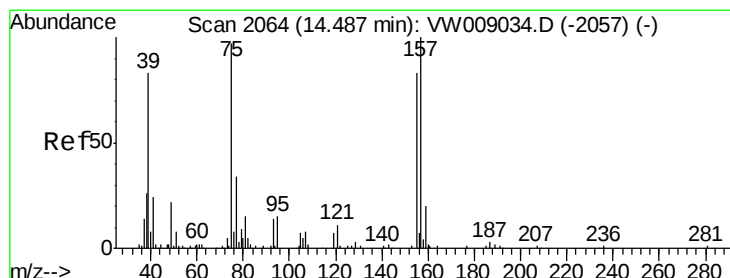
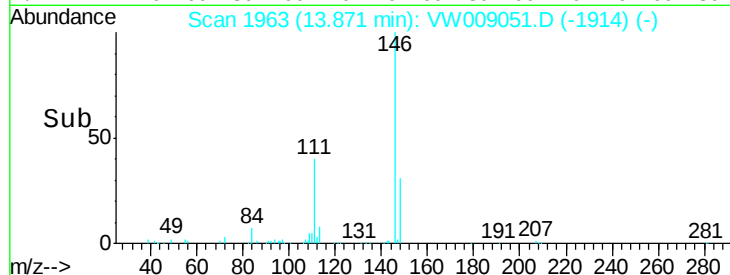
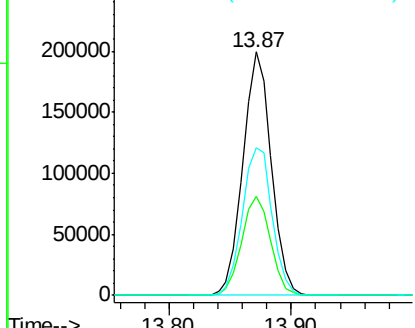
Tot Ion:	146	Resp:	320744
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.1	63.1
148	63.8	32.3	96.9

Manual Integrations
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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



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.020 ug/l

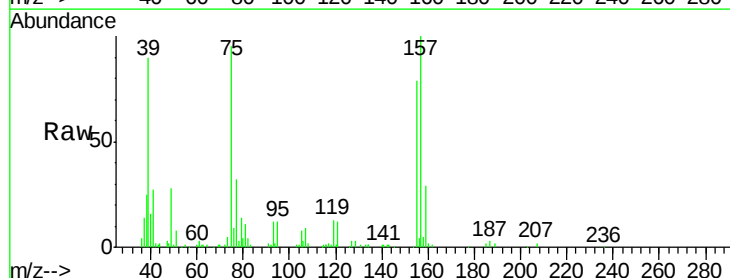
RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

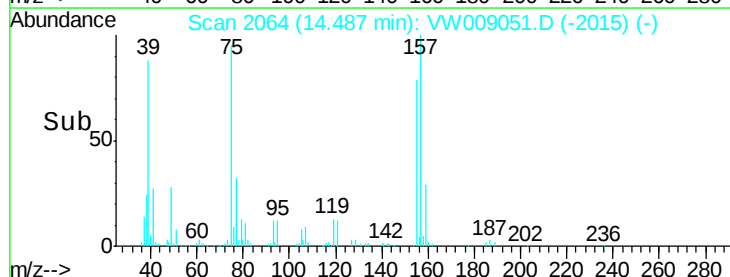
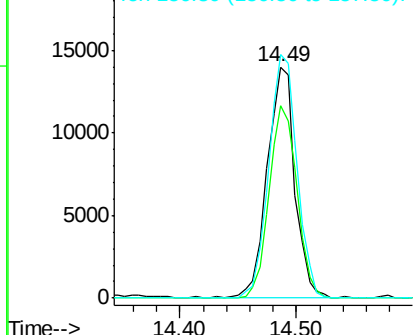
Lab File: VW009051.D

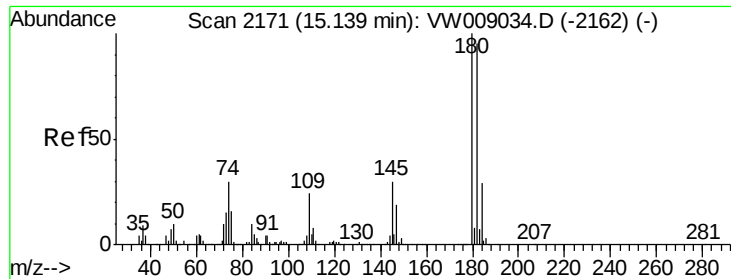
Acq: 07 Mar 2019 20:50

Tgt Ion:	75	Resp:	23180
Ion Ratio	Lower	Upper	
75	100		
155	83.2	40.8	122.4
157	107.3	52.4	157.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





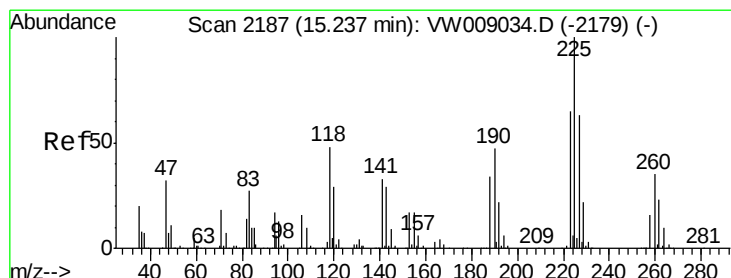
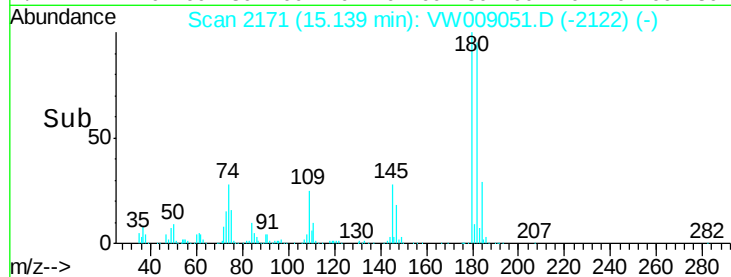
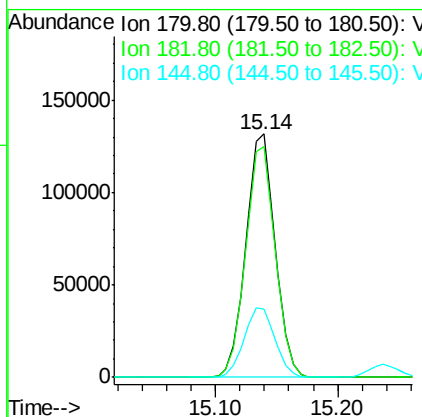
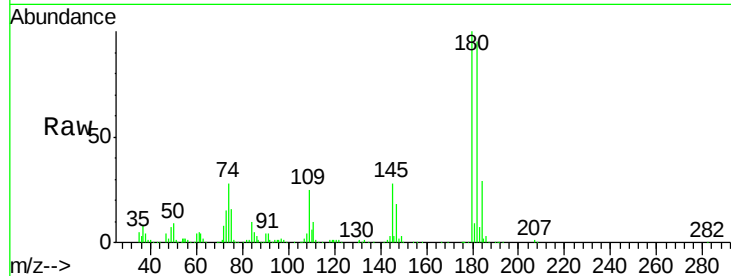
#93
 1,2,4-Trichlorobenzene
 Concen: 50.225 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	219483		
182	96.1	48.1	144.3	
145	30.1	15.4	46.1	

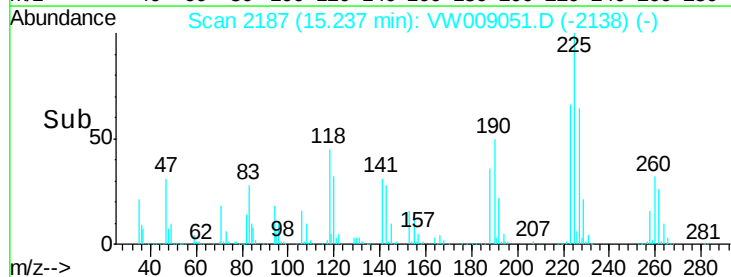
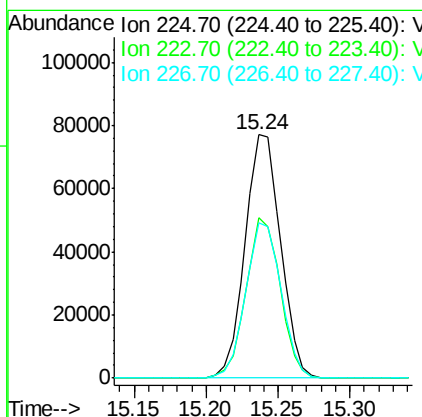
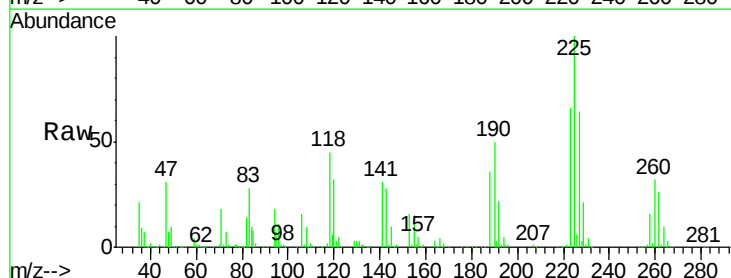
Manual Integrations
 APPROVED

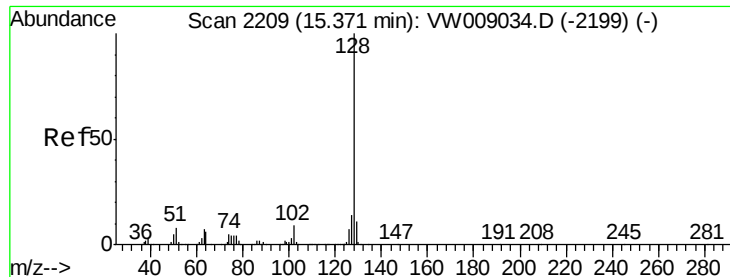
MMDadoda
 3/8/2019 12:06:14 PM



#94
 Hexachlorobutadiene
 Concen: 47.851 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130976		
223	63.6	31.6	94.8	
227	63.8	32.0	96.2	





#95

Naphthalene

Concen: 55.470 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

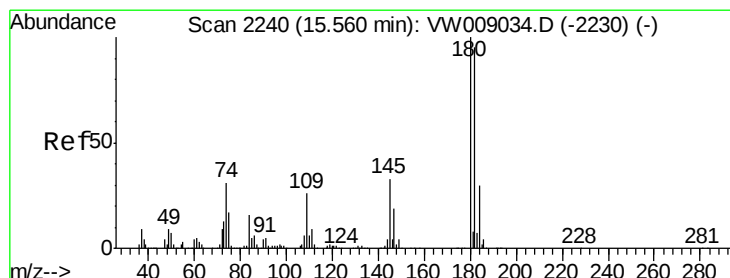
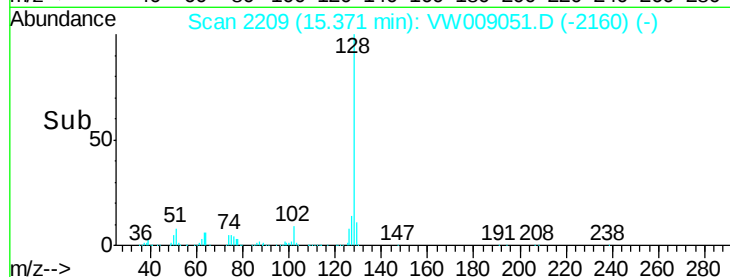
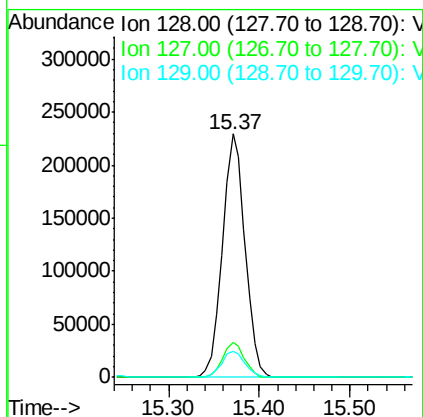
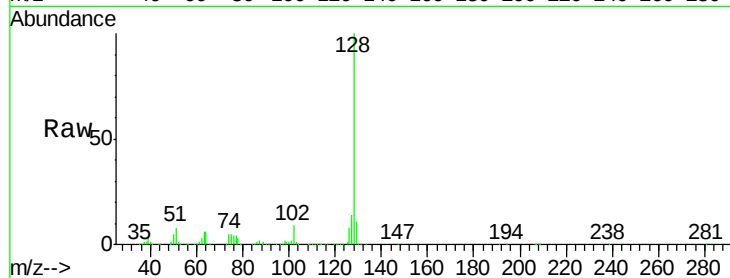
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	396793
Ion Ratio	Lower	Upper	
128	100		
127	13.8	11.0	16.6
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:06:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.335 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion:	180	Resp:	193417
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.3
145	31.4	15.8	47.3

