

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008988.D
 Acq On : 05 Mar 2019 10:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 3:20:11 PM

Quant Time: Mar 06 07:12:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	196789	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	119563	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.88	113	112585	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.32	98	482755	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.62	95	181673	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	127666	46.452	ug/l	97
3) Chloromethane	2.21	50	152018	45.439	ug/l	100
4) Vinyl Chloride	2.35	62	154077	43.498	ug/l	97
5) Bromomethane	2.76	94	120278	45.717	ug/l	95
6) Chloroethane	2.92	64	106523	42.350	ug/l	98
7) Trichlorofluoromethane	3.26	101	211694	47.254	ug/l	99
8) Diethyl Ether	3.69	74	54625	38.514	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128120	47.095	ug/l	99
10) Methyl Iodide	4.27	142	116807	34.336	ug/l	99
11) Tert butyl alcohol	5.17	59	36554	159.538	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	111874	46.564	ug/l	97
13) Acrolein	3.90	56	48181	203.368	ug/l	98
14) Allyl chloride	4.67	41	190552	45.953	ug/l	97
15) Acrylonitrile	5.37	53	119394	196.149	ug/l	99
16) Acetone	4.12	43	142681	239.175	ug/l	94
17) Carbon Disulfide	4.38	76	357356	44.829	ug/l	99
18) Methyl Acetate	4.67	43	56409	39.866	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	260384	40.040	ug/l	100
20) Methylene Chloride	4.91	84	131396	44.110	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	126316	45.451	ug/l	93
22) Diisopropyl ether	6.31	45	375006	45.335	ug/l	99
23) Vinyl Acetate	6.26	43	1068979	209.161	ug/l	99
24) 1,1-Dichloroethane	6.21	63	221222	46.152	ug/l	99
25) 2-Butanone	7.17	43	173599	208.147	ug/l	96
26) 2,2-Dichloropropane	7.17	77	209823	48.216	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	133033	44.749	ug/l	100
28) Bromochloromethane	7.51	49	89941	44.839	ug/l	99
29) Tetrahydrofuran	7.52	42	97636	183.700	ug/l	99
30) Chloroform	7.68	83	226647	46.091	ug/l	96
31) Cyclohexane	7.95	56	221460	45.643	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	215870	48.273	ug/l	98
36) 1,1-Dichloropropene	8.08	75	187254	51.302	ug/l	100
37) Ethyl Acetate	7.25	43	70904	41.773	ug/l	99
38) Carbon Tetrachloride	8.07	117	196021	50.923	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	231344	50.814	ug/l	99
40) Benzene	8.32	78	502668	50.439	ug/l	100
41) Methacrylonitrile	7.48	41	45316	45.420	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	144108	45.648	ug/l	99
43) Isopropyl Acetate	8.43	43	137356	40.547	ug/l	99
44) Trichloroethene	9.09	130	138907	49.478	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122902	49.906	ug/l	93
46) Dibromomethane	9.46	93	61790	45.108	ug/l	97
47) Bromodichloromethane	9.64	83	163726	49.125	ug/l	93
48) Methyl methacrylate	9.43	41	67490	41.597	ug/l	97
49) 1,4-Dioxane	9.45	88	19496	888.740	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	355451	206.673	ug/l	100
52) Toluene	10.39	92	348613	51.543	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	160827	47.343	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	190295	49.116	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	83539	44.969	ug/l	98
56) Ethyl methacrylate	10.65	69	104299	43.214	ug/l	95
57) 1,3-Dichloropropane	10.93	76	148881	45.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	281735	232.092	ug/l	98
59) 2-Hexanone	10.97	43	283603	231.649	ug/l	99
60) Dibromochloromethane	11.13	129	107098	47.265	ug/l	98
61) 1,2-Dibromoethane	11.23	107	82597	44.918	ug/l	99
64) Tetrachloroethene	10.86	164	128173	50.034	ug/l	99
65) Chlorobenzene	11.66	112	374896	49.819	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123237	48.434	ug/l	99
67) Ethyl Benzene	11.73	91	701714	52.163	ug/l	99
68) m/p-Xylenes	11.84	106	557448	103.713	ug/l	99
69) o-Xylene	12.17	106	254803	50.507	ug/l	99
70) Styrene	12.18	104	410957	50.633	ug/l	100
71) Bromoform	12.35	173	61540	44.995	ug/l #	97
73) Isopropylbenzene	12.46	105	722859	53.582	ug/l	100
74) N-amyl acetate	12.27	43	146337	43.063	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	97861	44.395	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	70520m	43.403	ug/l	
77) Bromobenzene	12.75	156	157914	49.534	ug/l	99
78) n-propylbenzene	12.80	91	887057	53.754	ug/l	100
79) 2-Chlorotoluene	12.90	91	491318	52.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	623875	53.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29207	43.702	ug/l	96
82) 4-Chlorotoluene	12.99	91	512943	51.952	ug/l	100
83) tert-Butylbenzene	13.21	119	527669	52.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	626176	51.597	ug/l	100
85) sec-Butylbenzene	13.38	105	793368	54.429	ug/l	99
86) p-Isopropyltoluene	13.50	119	704024	52.687	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	331837	50.169	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	326645	50.107	ug/l	99
89) n-Butylbenzene	13.83	91	685213	54.736	ug/l	99
90) Hexachloroethane	14.10	117	118994	54.398	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	288679	48.983	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17103	42.891	ug/l	99

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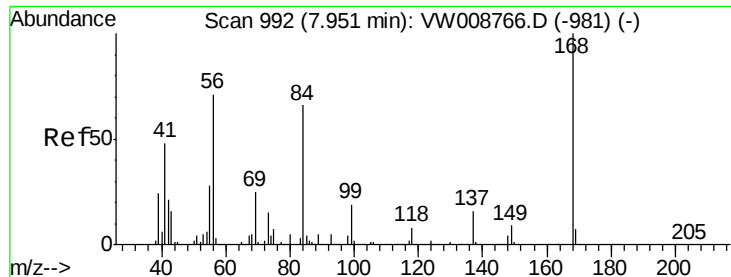
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	207036	48.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	136080	54.405	ug/l	99
95) Naphthalene	15.37	128	316528	43.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	176069	47.955	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: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 274404

Ion Ratio Lower Upper

168 100

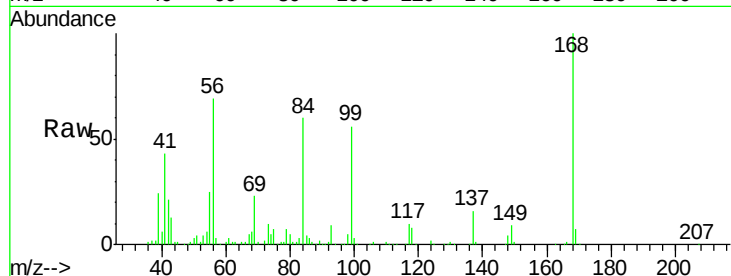
99 56.1 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

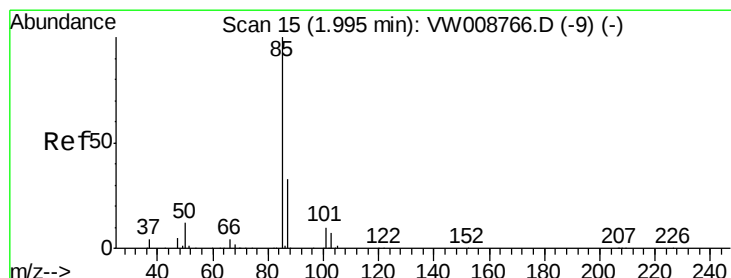
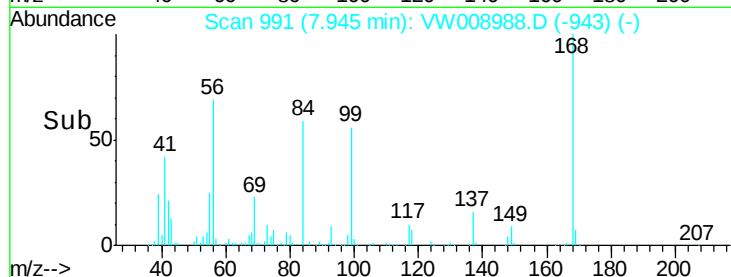
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.452 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008988.D

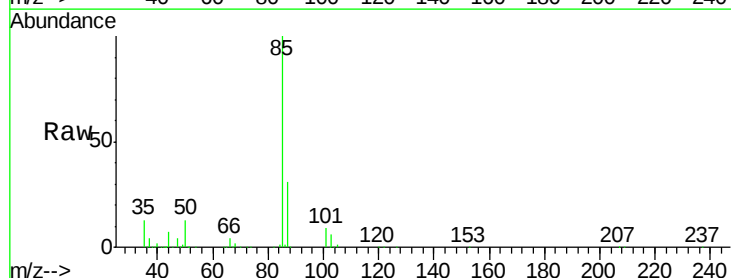
Acq: 05 Mar 2019 10:28

Tgt Ion: 85 Resp: 127666

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

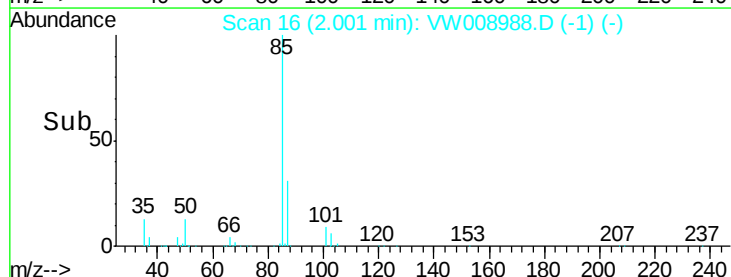
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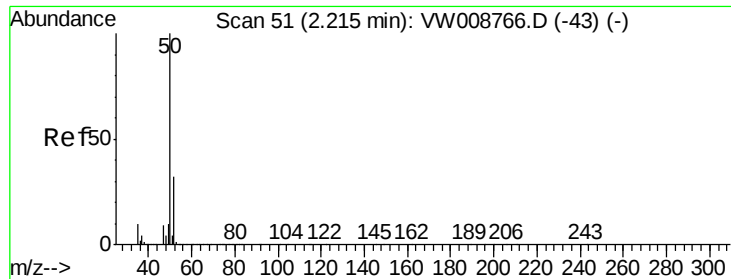
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 45.439 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152018

Ion Ratio Lower Upper

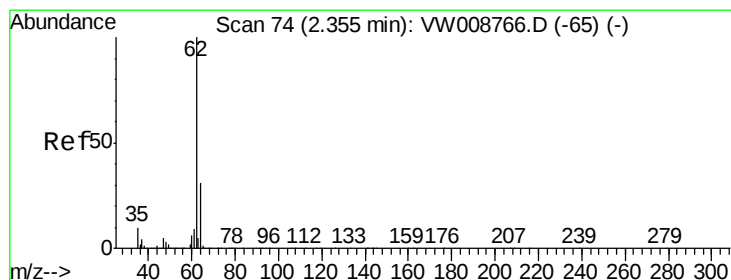
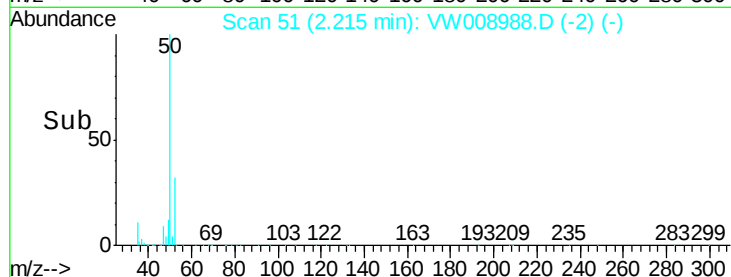
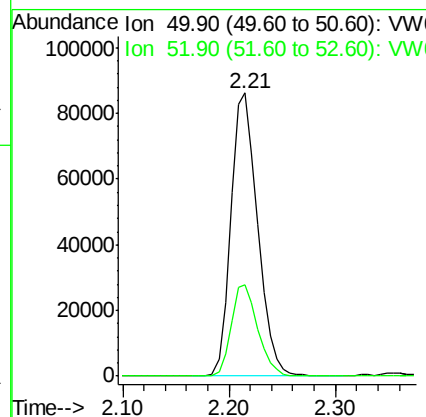
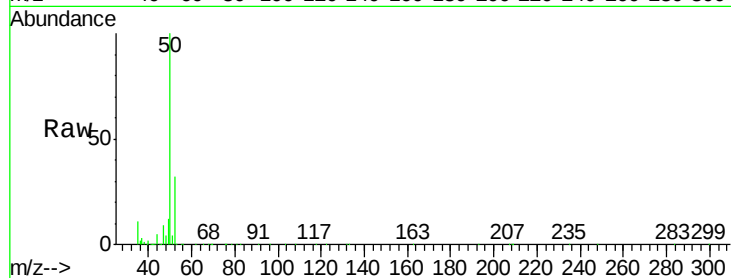
50 100

52 32.3 25.9 38.9

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#4

Vinyl Chloride

Concen: 43.498 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008988.D

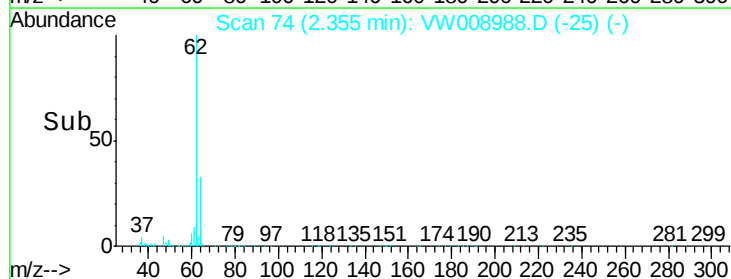
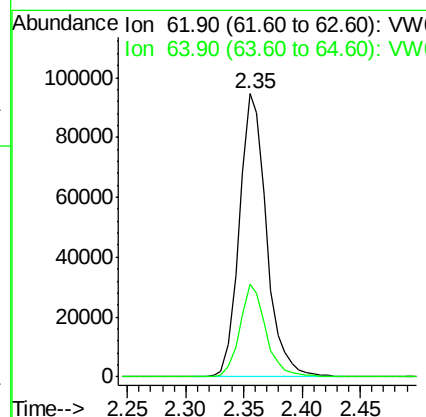
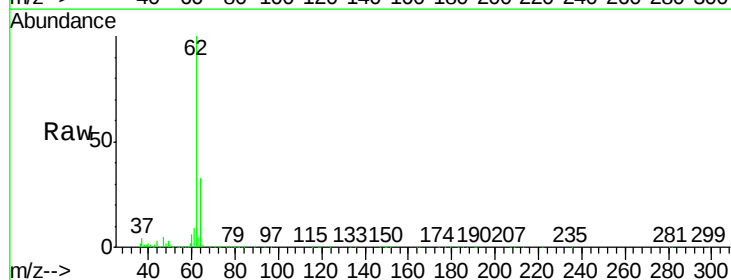
Acq: 05 Mar 2019 10:28

Tgt Ion: 62 Resp: 154077

Ion Ratio Lower Upper

62 100

64 32.8 24.9 37.3





#5

Bromomethane

Concen: 45.717 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 120278

Ion Ratio Lower Upper

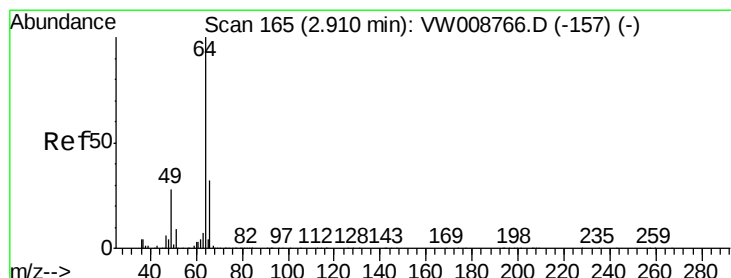
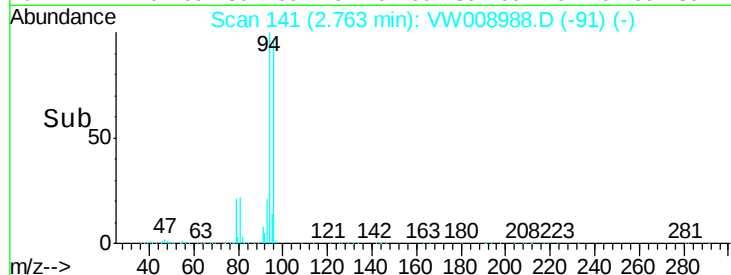
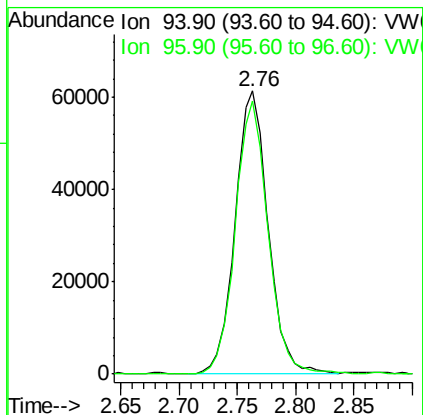
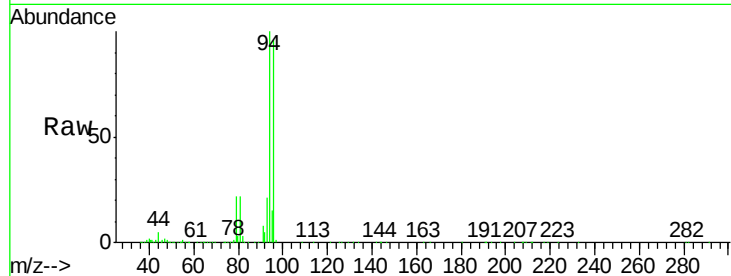
94 100

96 96.6 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 42.350 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008988.D

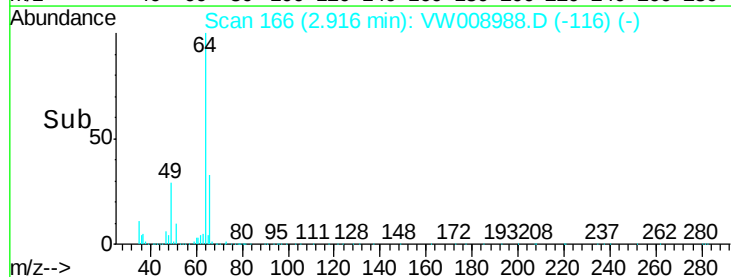
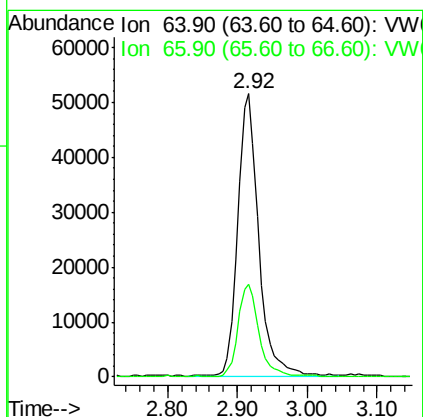
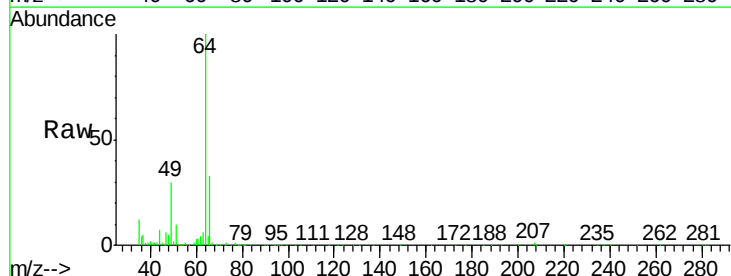
Acq: 05 Mar 2019 10:28

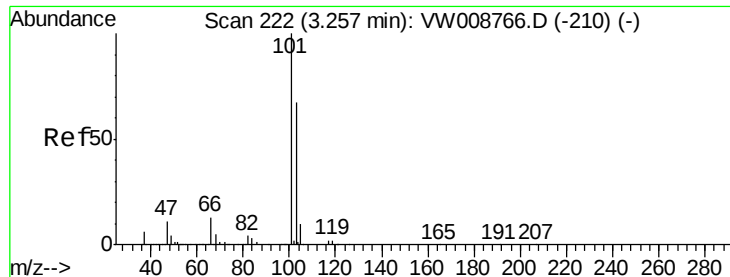
Tgt Ion: 64 Resp: 106523

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

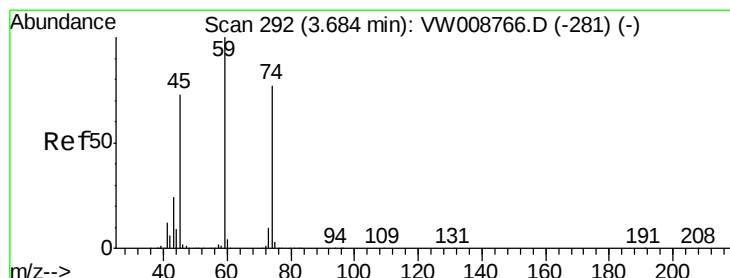
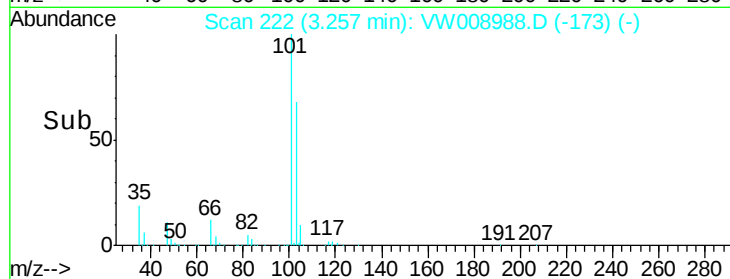
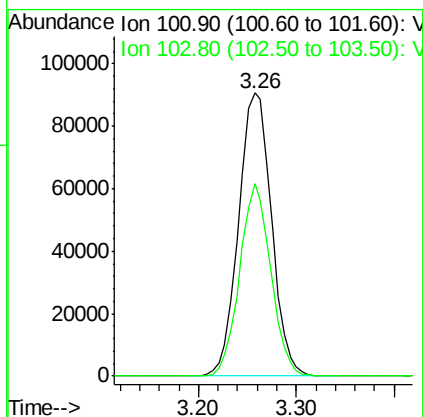
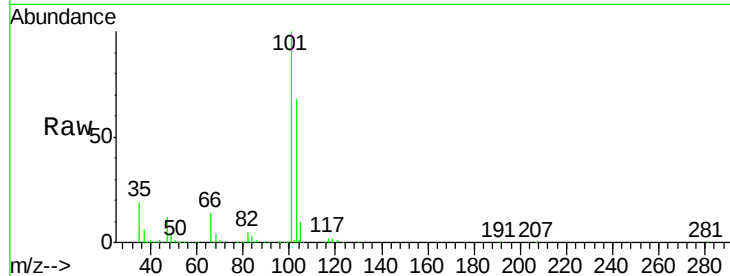
Trichlorofluoromethane
 Concen: 47.254 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	53.9	80.9

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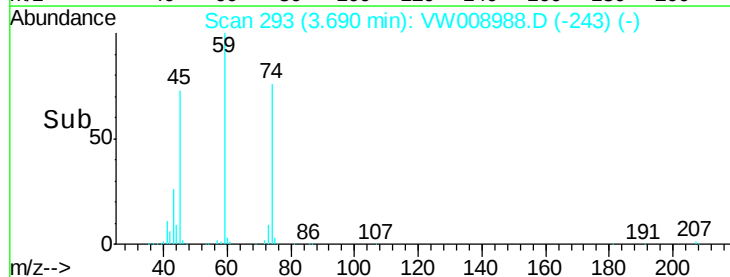
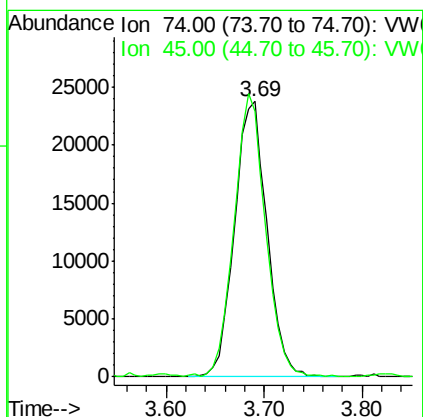
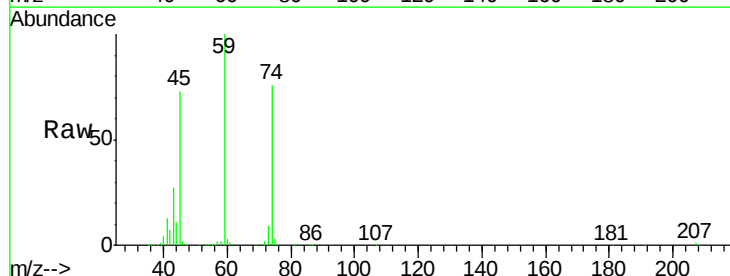
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#8

Diethyl Ether
 Concen: 38.514 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.095 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

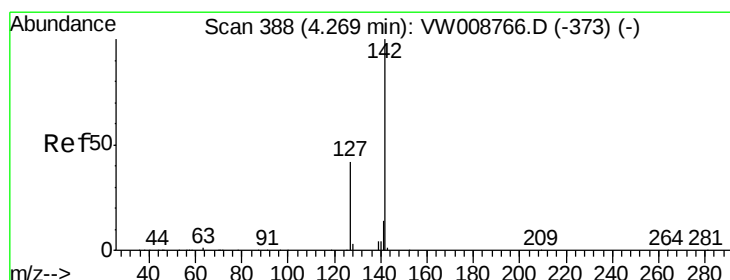
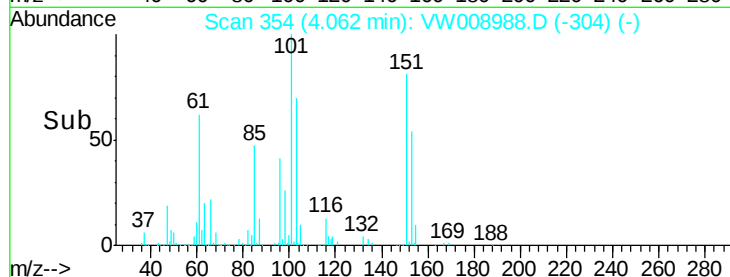
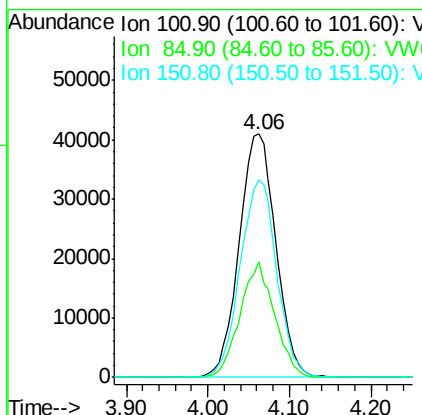
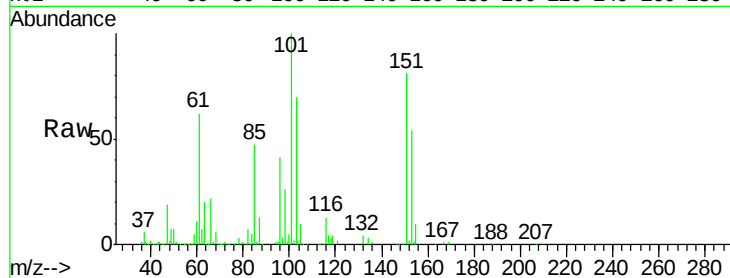
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128120
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	81.1	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 34.336 ug/l

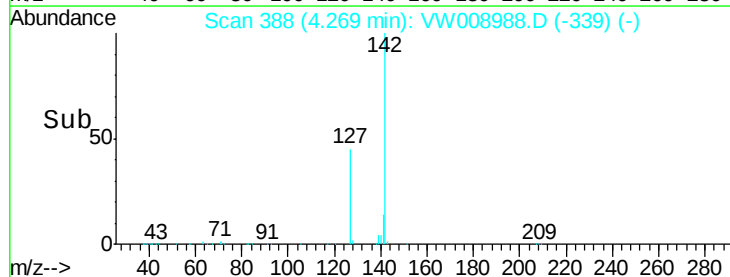
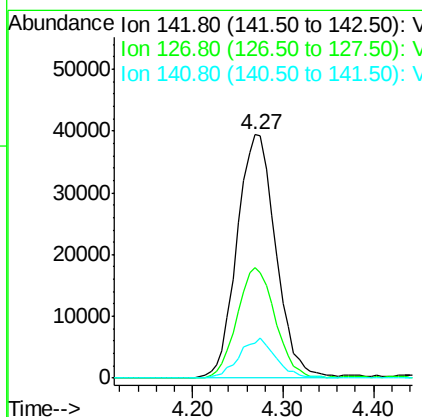
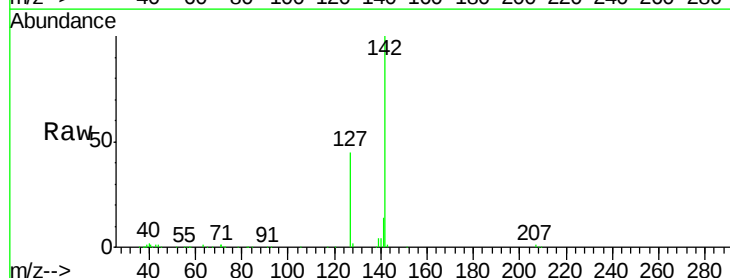
RT: 4.27 min Scan# 388

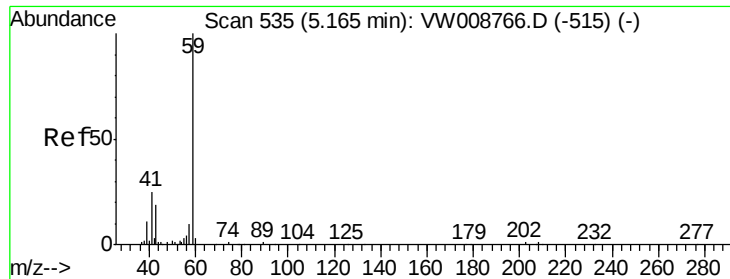
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	142	Resp:	116807
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.3	52.9
141	15.4	11.7	17.5





#11

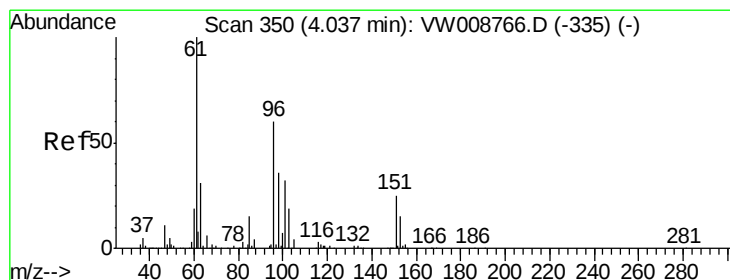
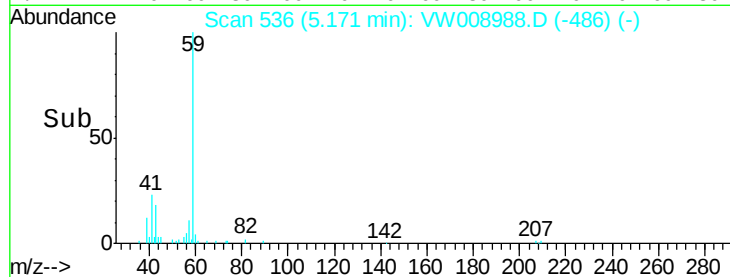
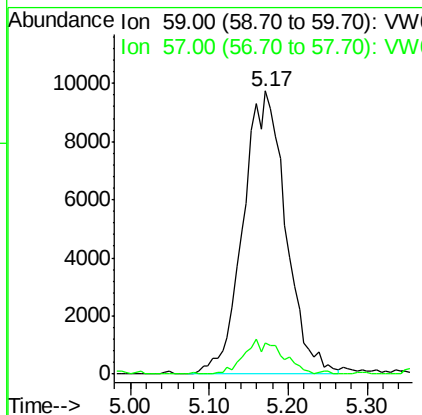
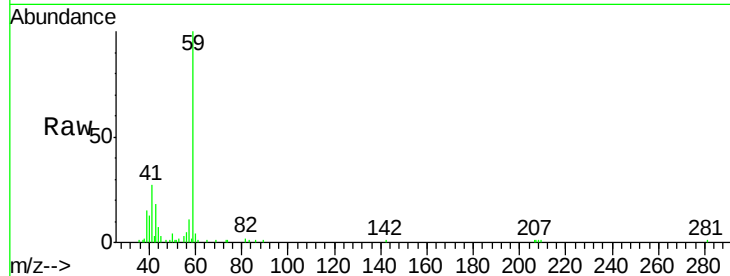
Tert butyl alcohol
Concen: 159.538 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	9.3	13.9#

Manual Integrations
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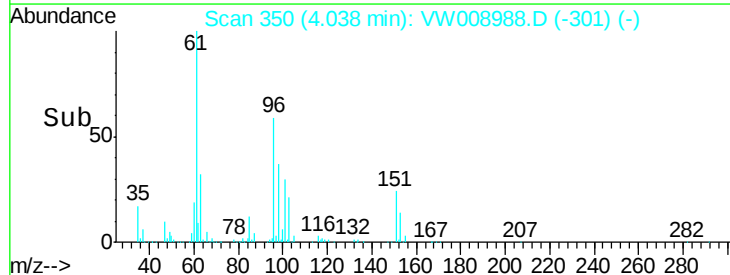
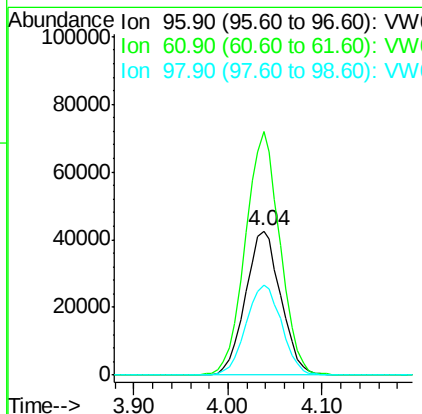
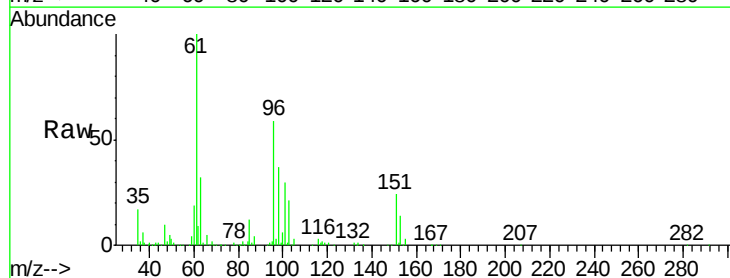
MMDadoda
3/6/2019 3:20:11 PM

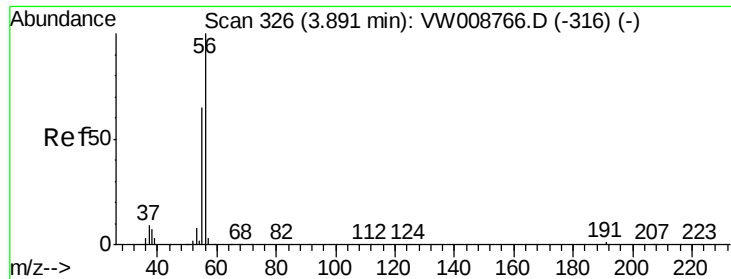


#12

1,1-Dichloroethene
Concen: 46.564 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	132.5	198.7
98	62.7	48.2	72.4





#13

Acrolein

Concen: 203.368 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48181

Ion Ratio Lower Upper

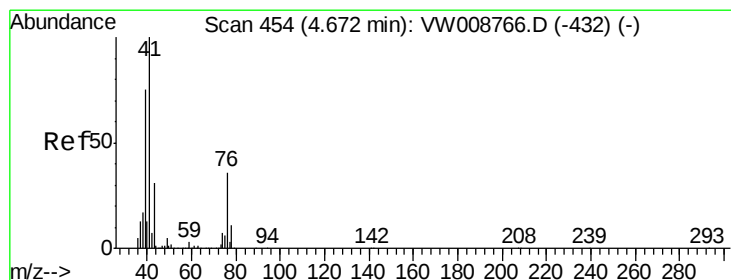
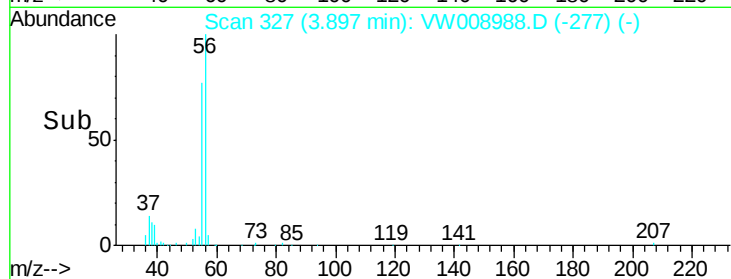
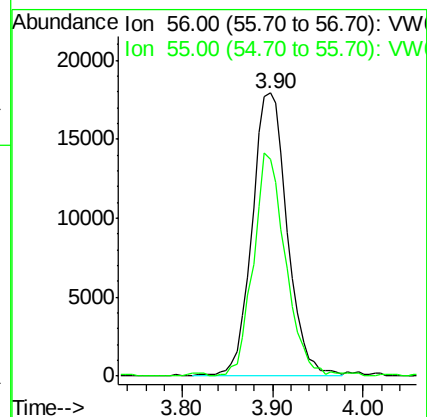
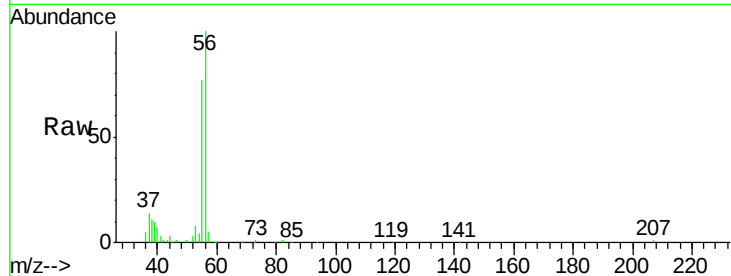
56 100

55 72.7 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 45.953 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

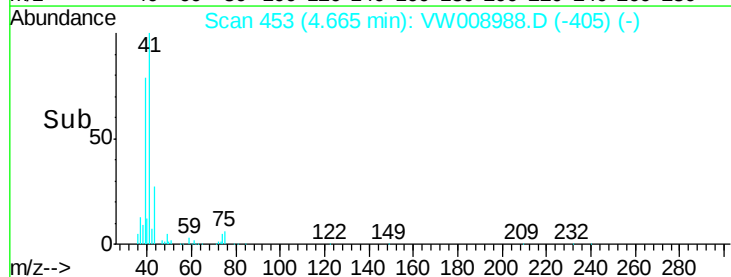
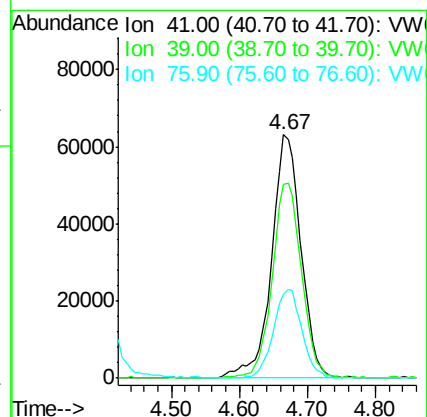
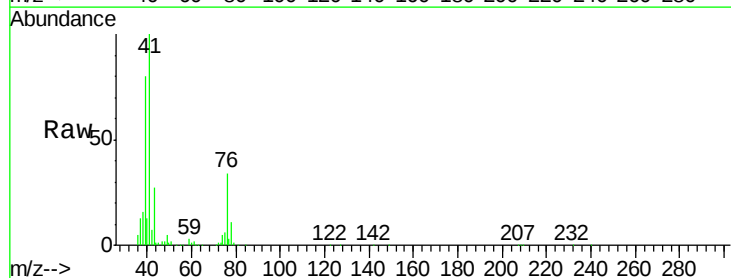
Tgt Ion: 41 Resp: 190552

Ion Ratio Lower Upper

41 100

39 78.8 60.6 91.0

76 35.4 28.6 42.8





#15

Acrylonitrile

Concen: 196.149 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

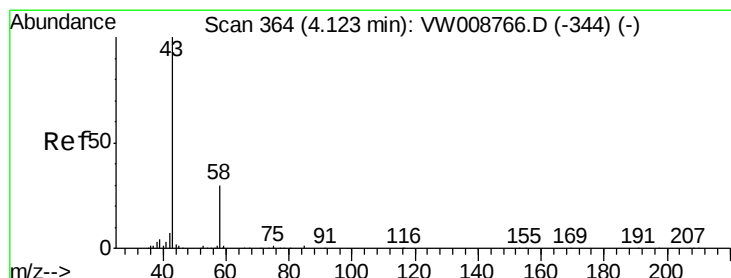
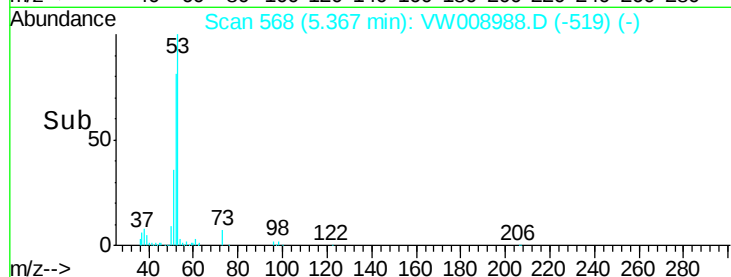
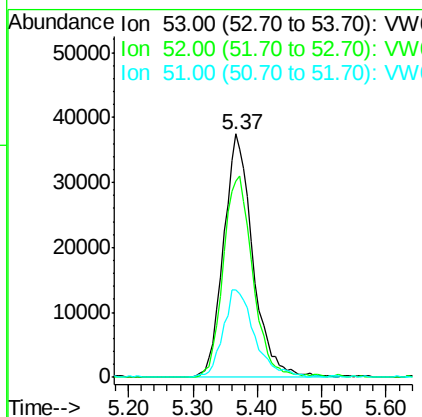
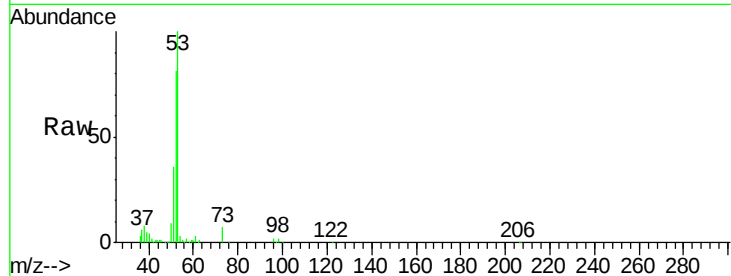
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	119394
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.2	100.8
51	39.0	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 239.175 ug/l

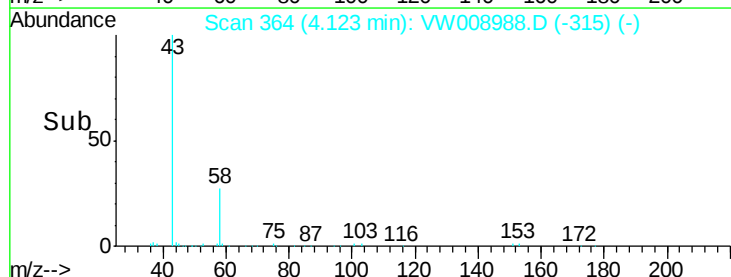
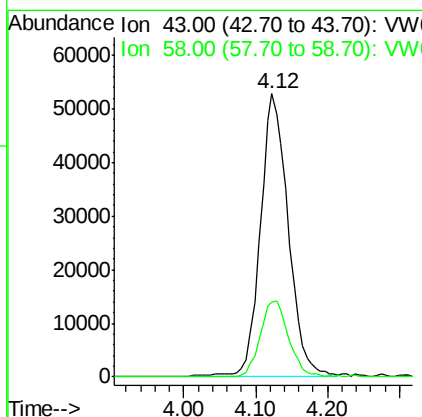
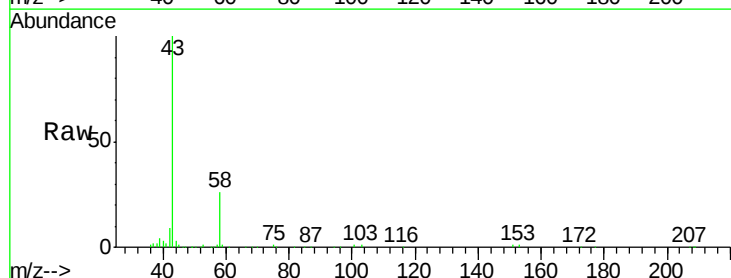
RT: 4.12 min Scan# 364

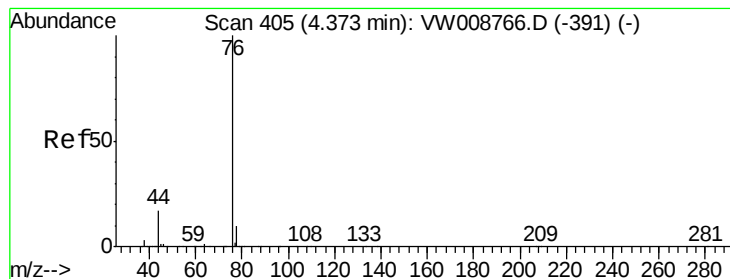
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	43	Resp:	142681
Ion	Ratio	Lower	Upper
43	100		
58	26.3	23.8	35.6





#17

Carbon Disulfide

Concen: 44.829 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 357356

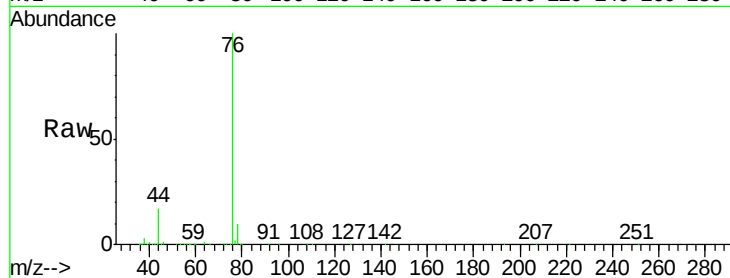
Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.8

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

4.38

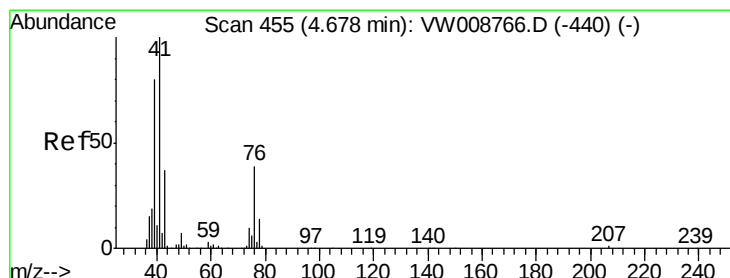
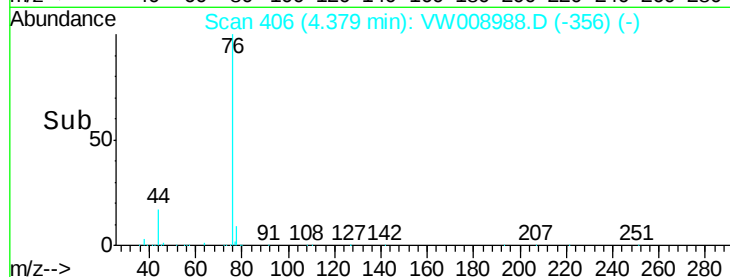
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 39.866 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008988.D

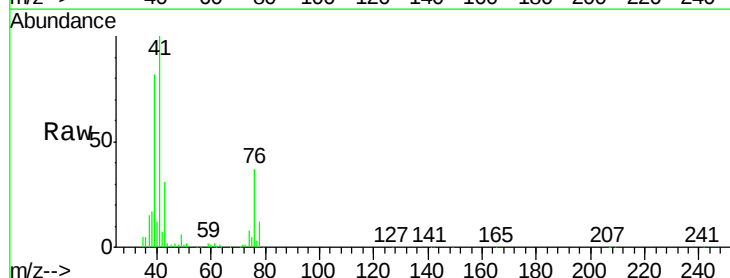
Acq: 05 Mar 2019 10:28

Tgt Ion: 43 Resp: 56409

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

20000

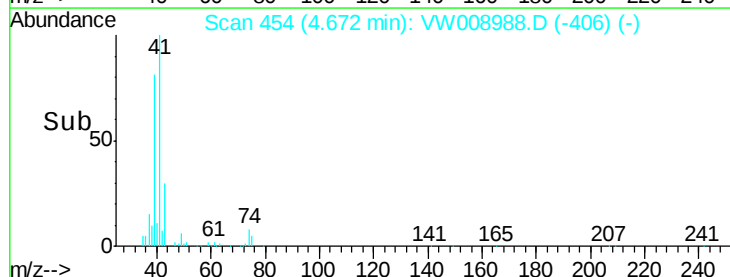
15000

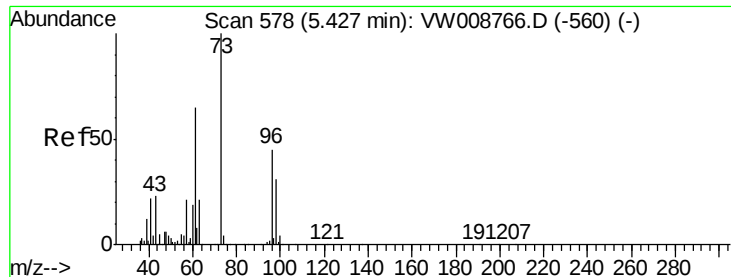
10000

5000

0

Time-->





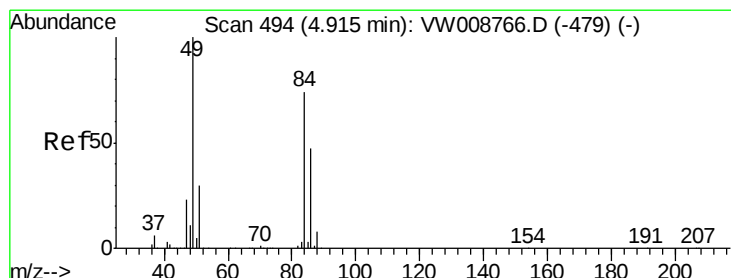
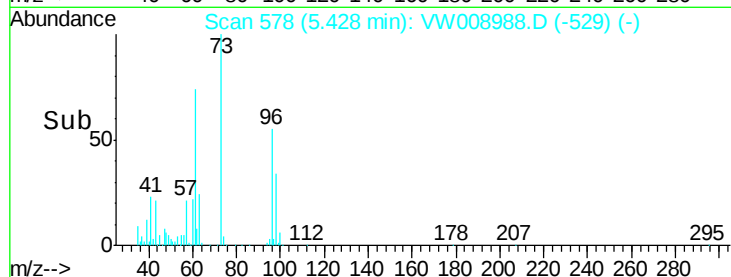
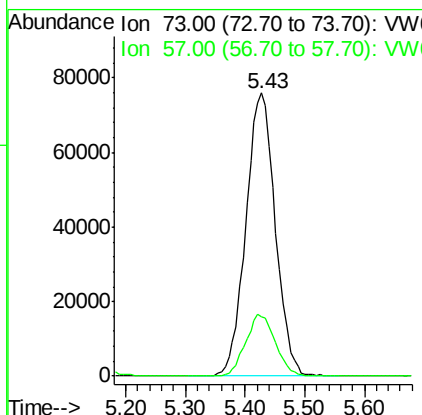
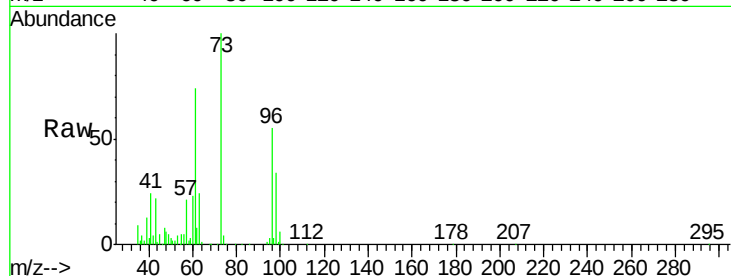
#19
Methyl tert-butyl Ether
Concen: 40.040 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 260384
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2

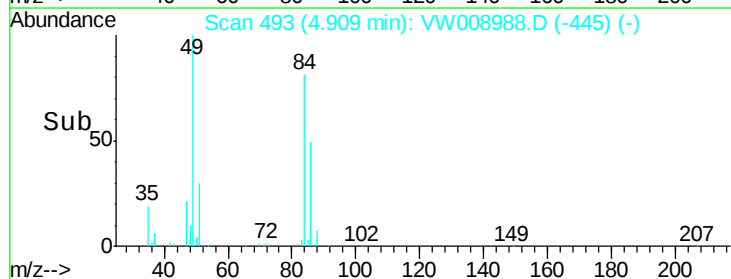
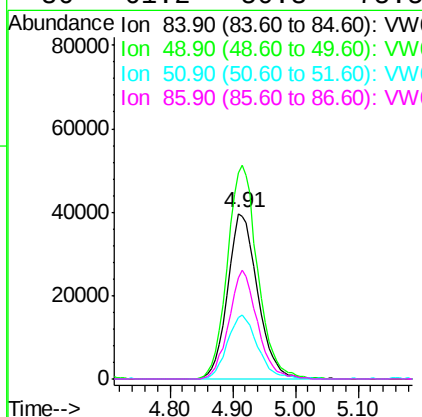
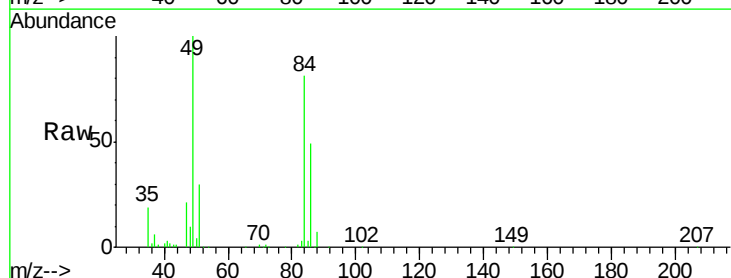
Manual Integrations
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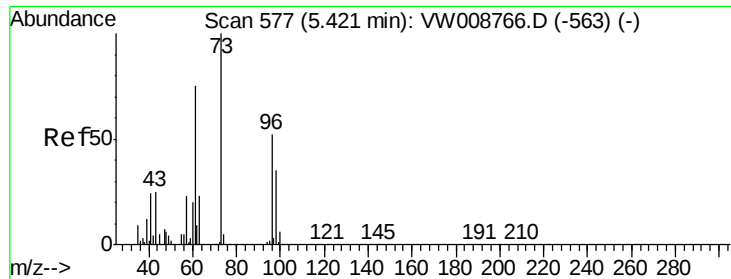
MMDadoda
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#20
Methylene Chloride
Concen: 44.110 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 84 Resp: 131396
Ion Ratio Lower Upper
84 100
49 124.0 108.2 162.2
51 37.3 32.7 49.1
86 61.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 45.451 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

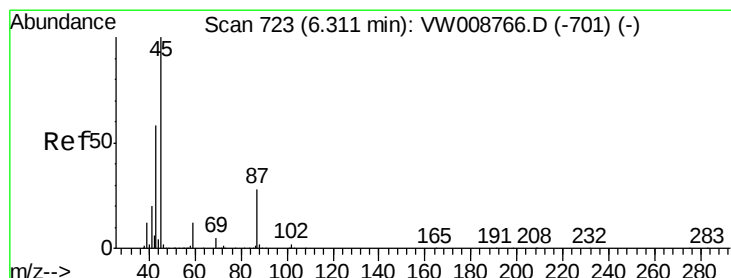
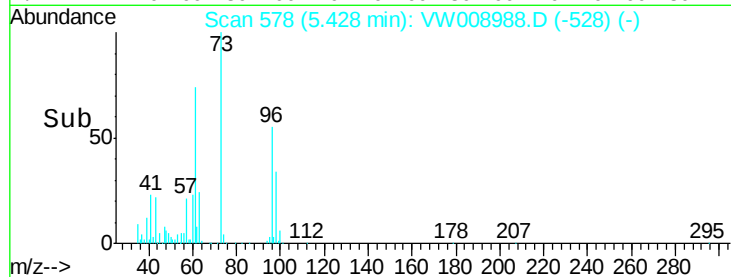
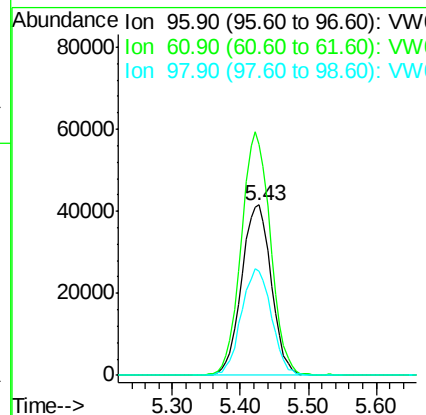
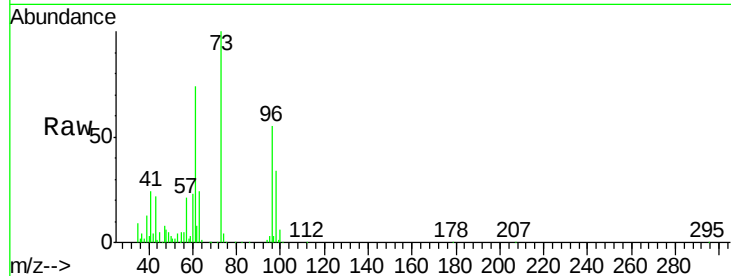
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	126316
Ion	Ratio	Lower	Upper
96	100		
61	135.5	114.6	171.8
98	61.4	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.335 ug/l

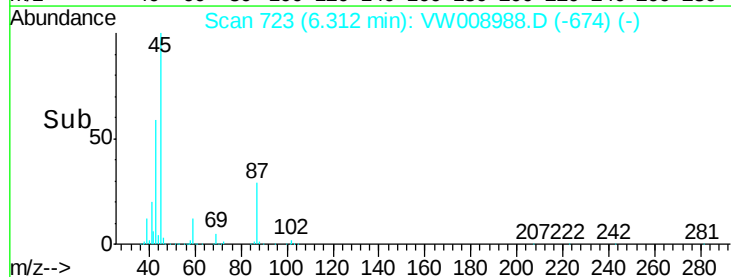
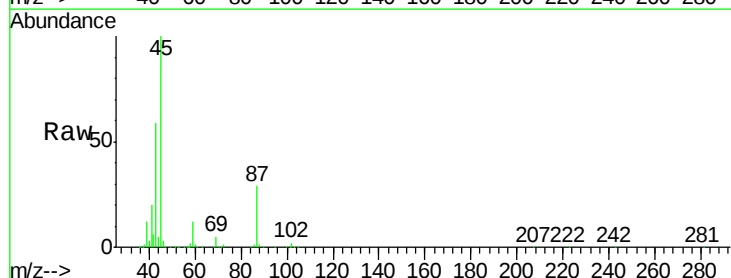
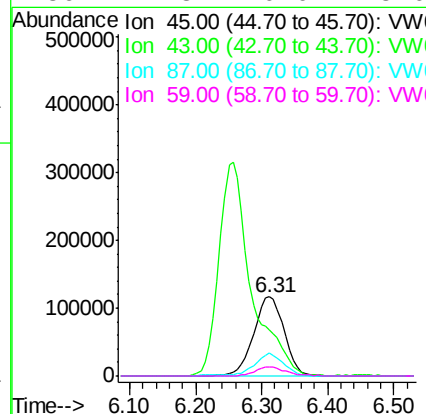
RT: 6.31 min Scan# 723

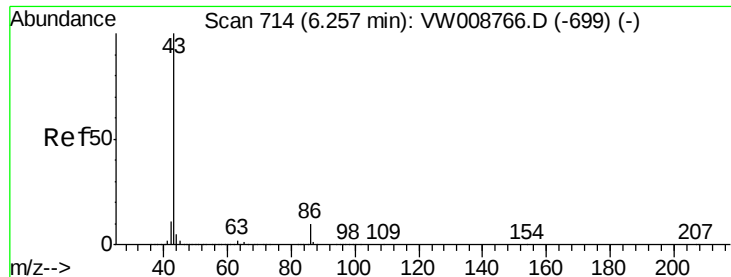
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	45	Resp:	375006
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.1	69.1
87	28.6	22.2	33.4
59	11.8	10.0	15.0





#23

Vinyl Acetate

Concen: 209.161 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1068979

Ion Ratio Lower Upper

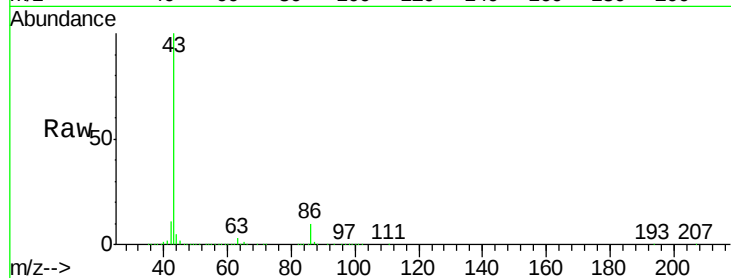
43 100

86 10.4 8.1 12.1

Manual Integrations
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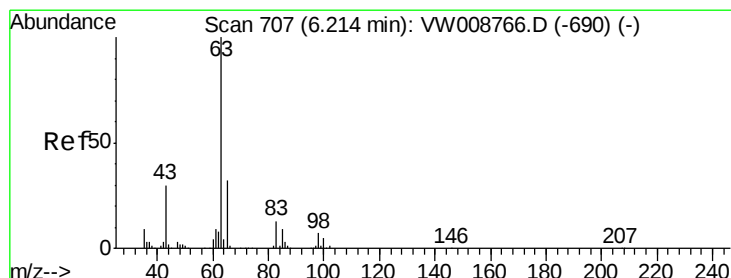
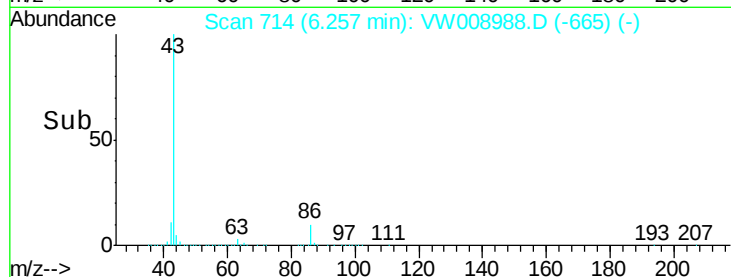
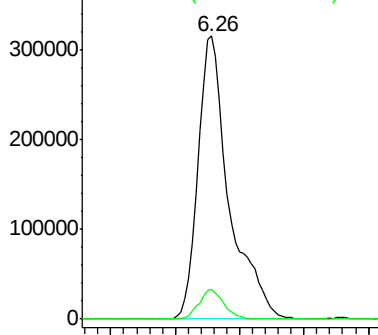
MMDadoda

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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: 46.152 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

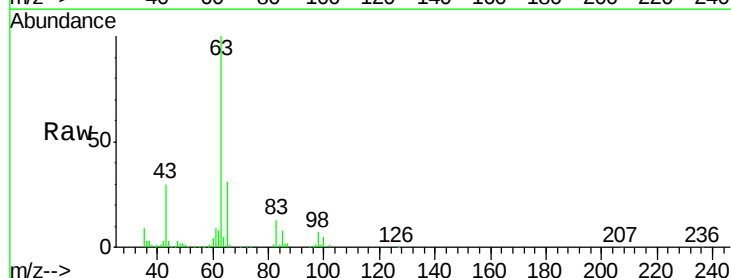
Tgt Ion: 63 Resp: 221222

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

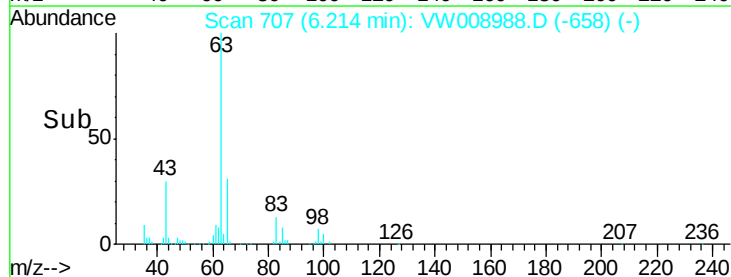
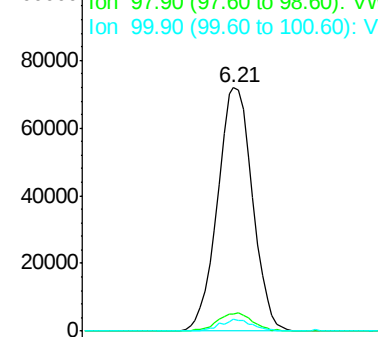
100 4.8 2.4 7.2

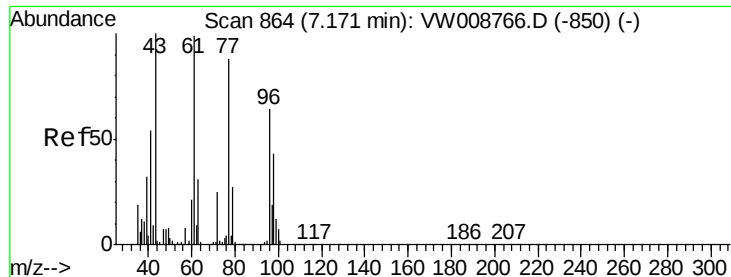


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 208.147 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 173599

Ion Ratio Lower Upper

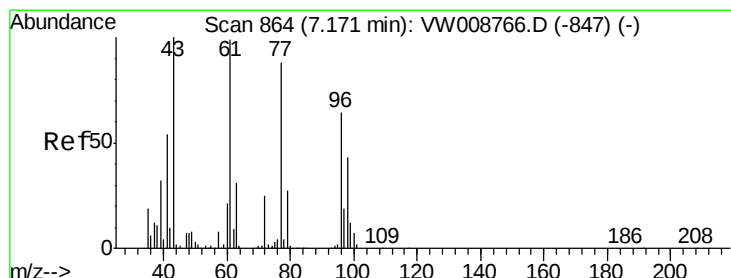
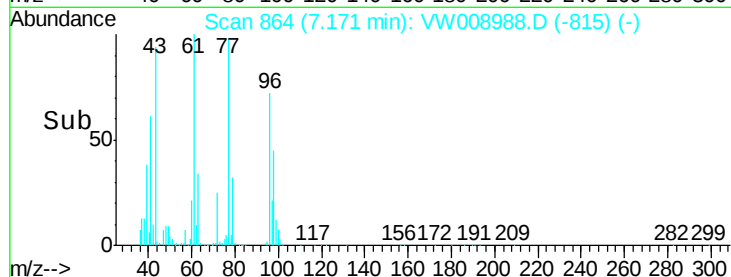
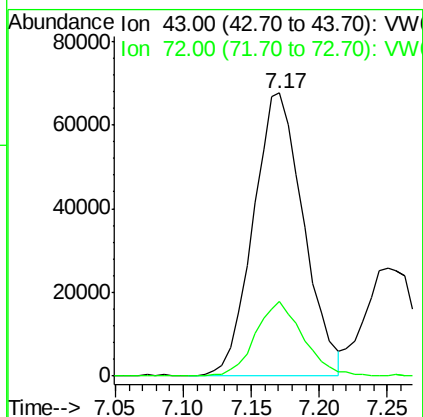
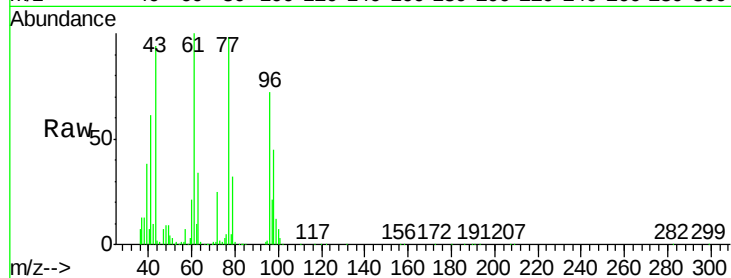
43 100

72 26.4 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.216 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008988.D

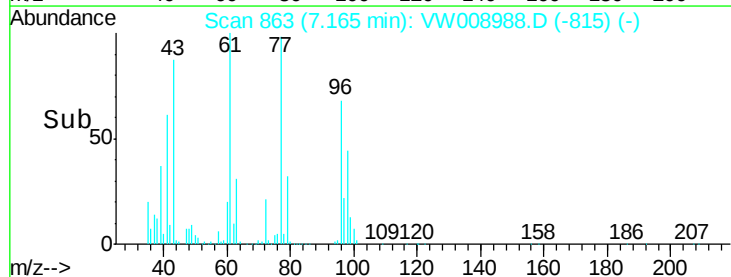
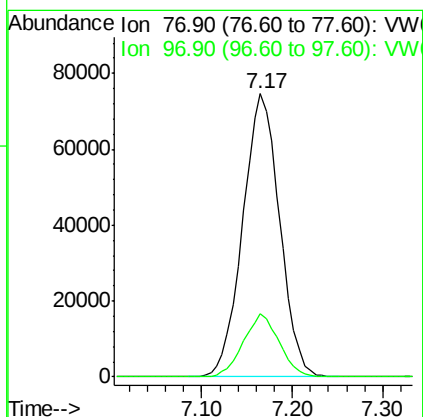
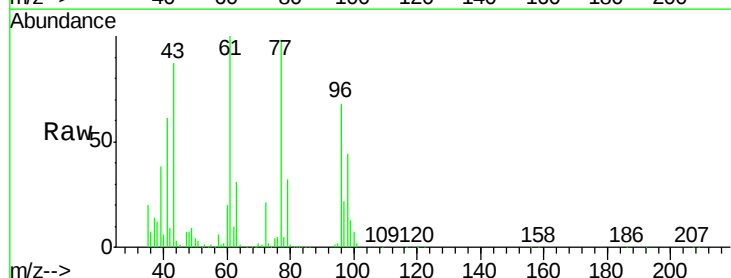
Acq: 05 Mar 2019 10:28

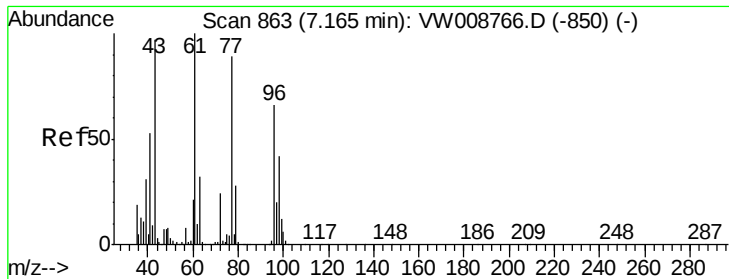
Tgt Ion: 77 Resp: 209823

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0





#27

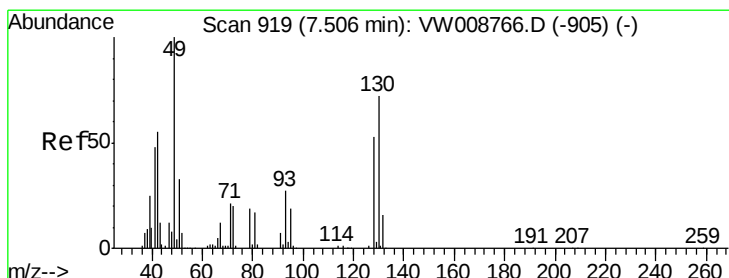
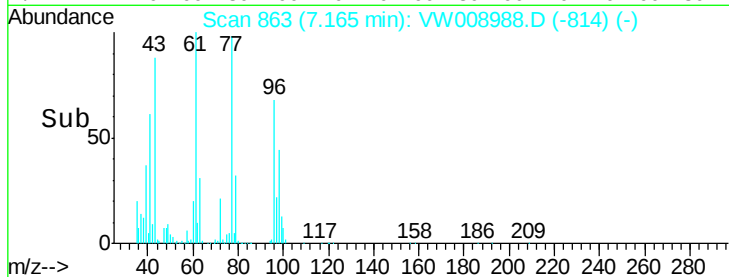
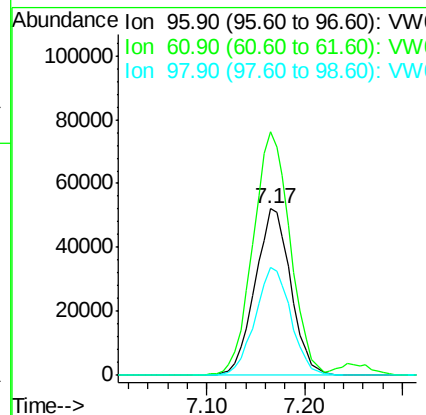
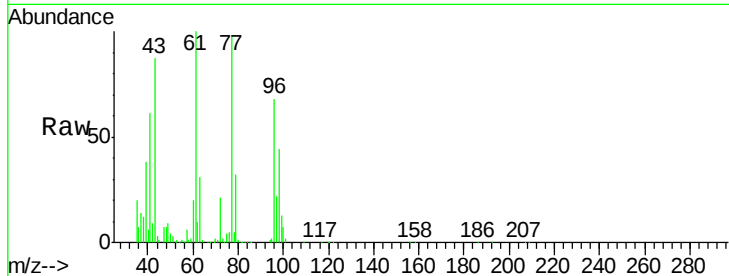
cis-1,2-Dichloroethene
Concen: 44.749 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	302.6
98	64.5	0.0	130.0

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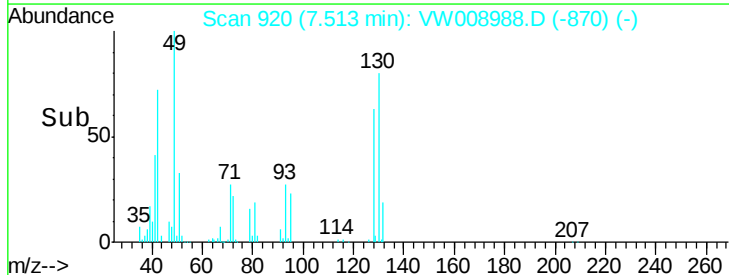
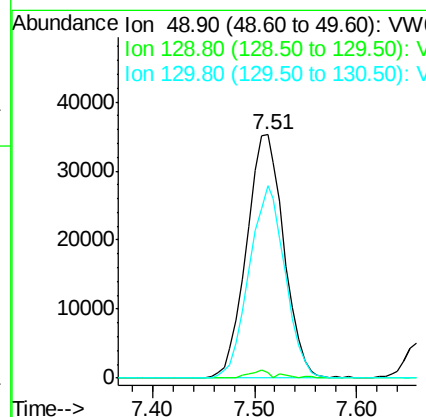
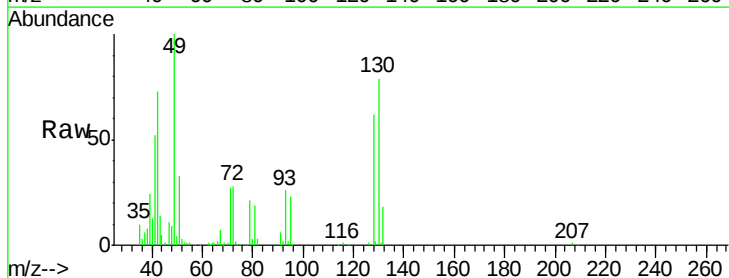
MMDadoda
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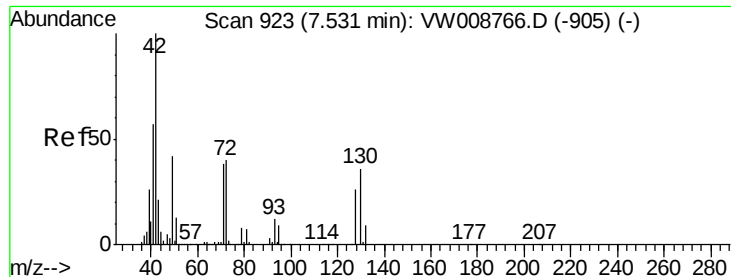


#28

Bromochloromethane
Concen: 44.839 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.6
130	76.0	61.3	91.9





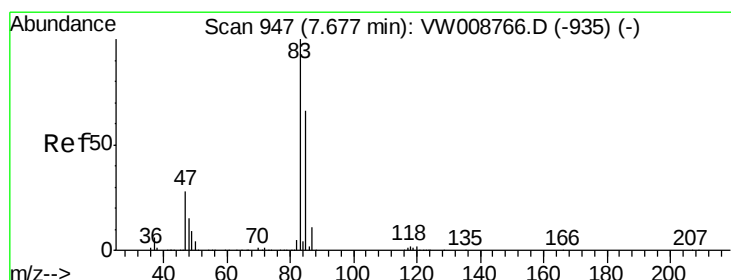
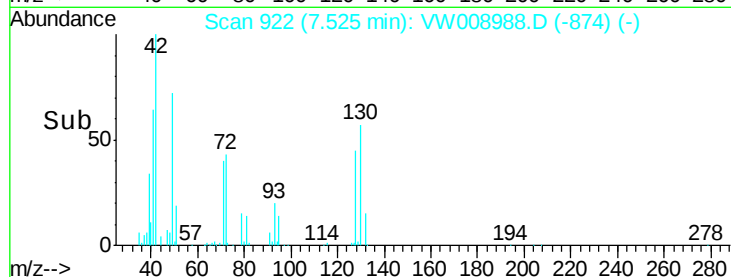
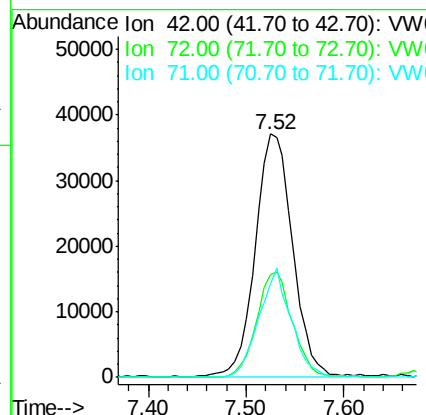
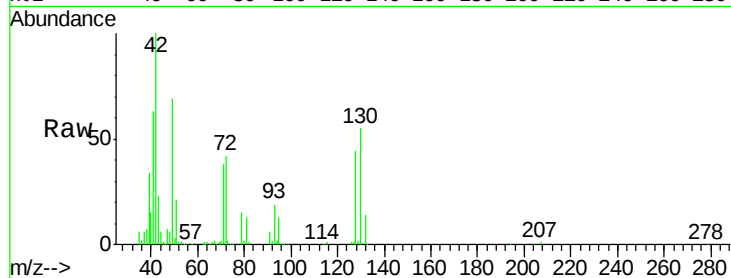
#29
Tetrahydrofuran
Concen: 183.700 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.7	49.1
71	39.6	31.3	46.9

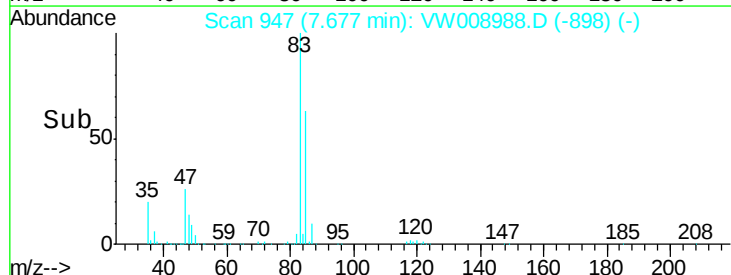
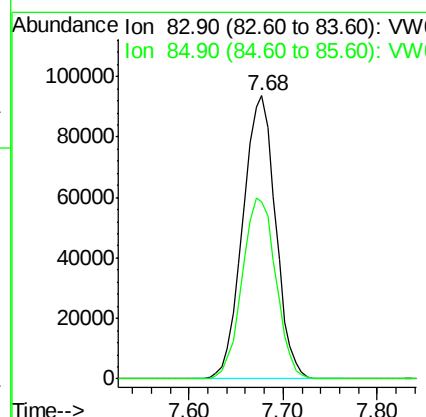
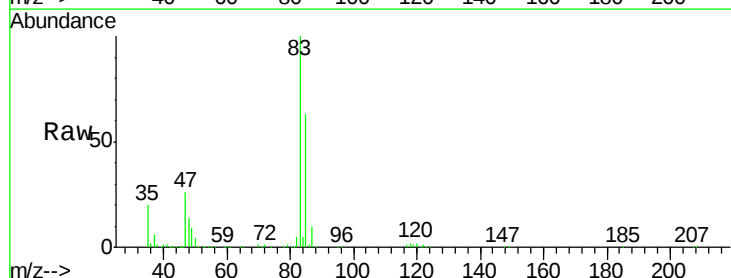
Manual Integrations
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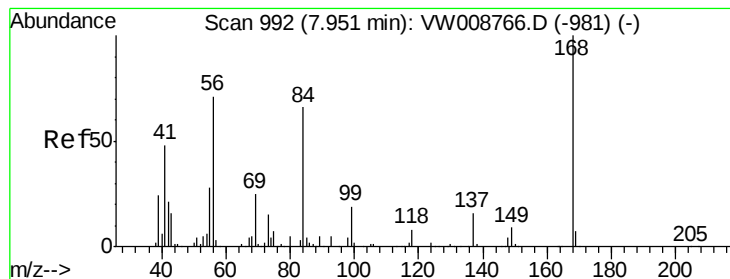
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#30
Chloroform
Concen: 46.091 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.6	79.0





#31

Cyclohexane

Concen: 45.643 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

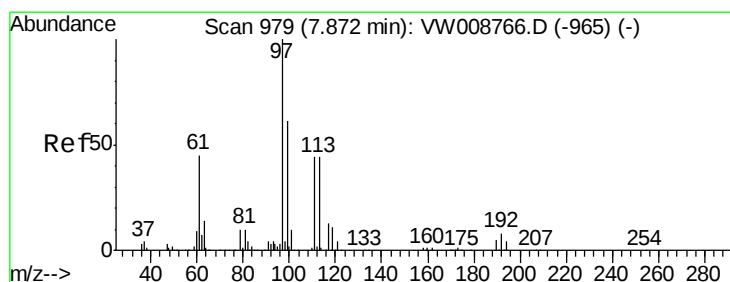
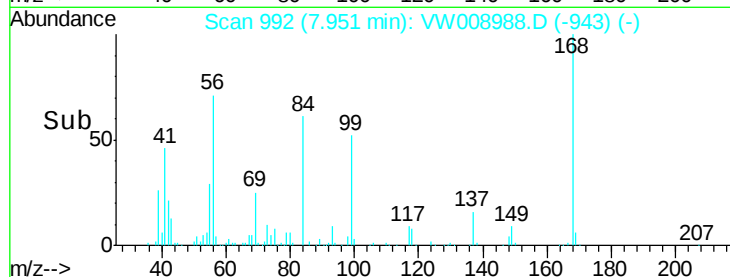
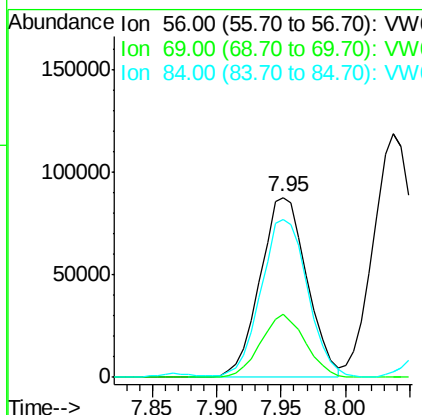
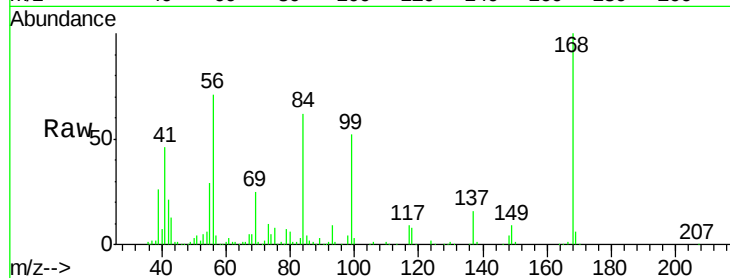
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	221460
Ion Ratio	Lower	Upper	
56	100		
69	35.0	28.2	42.4
84	86.0	74.1	111.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.273 ug/l

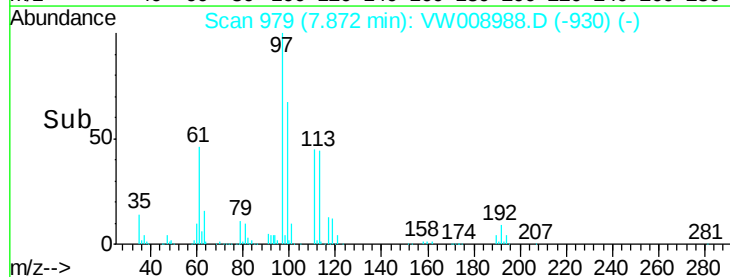
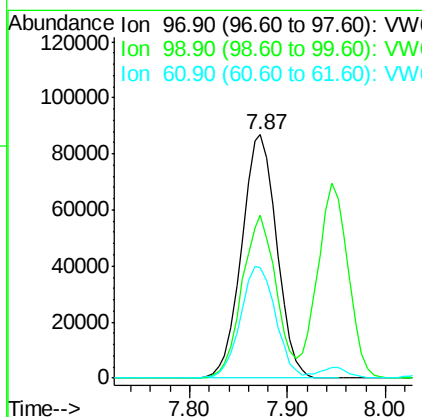
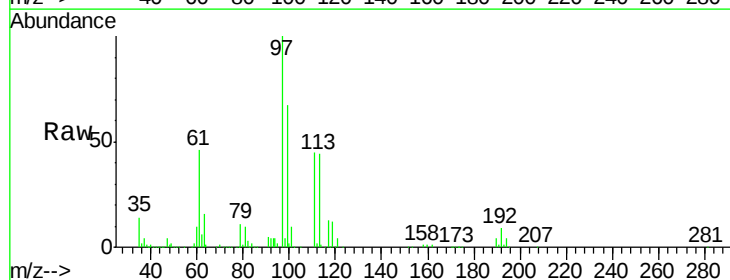
RT: 7.87 min Scan# 979

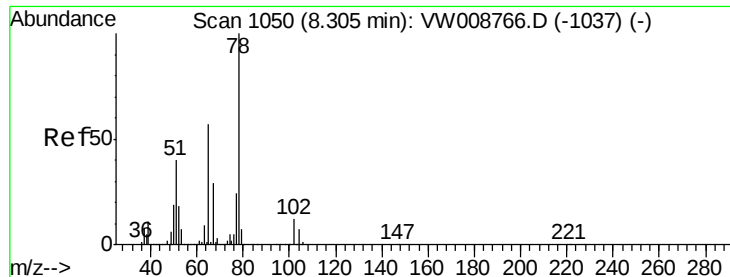
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	97	Resp:	215870
Ion Ratio	Lower	Upper	
97	100		
99	65.2	50.8	76.2
61	46.6	36.0	54.0





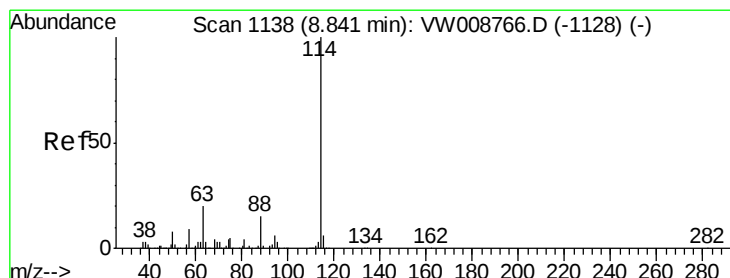
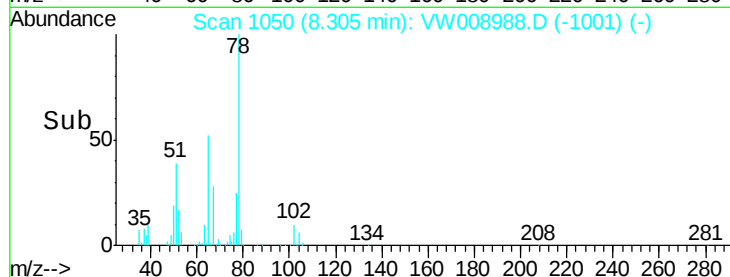
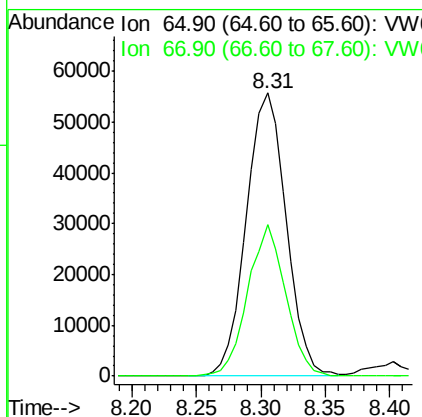
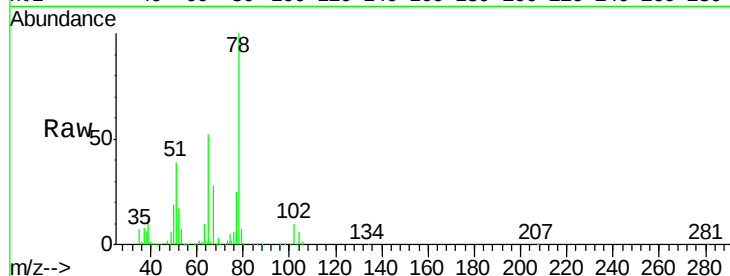
#33
 1,2-Dichloroethane-d4
 Concen: 46.456 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119563		
67	50.9	0.0	101.4	

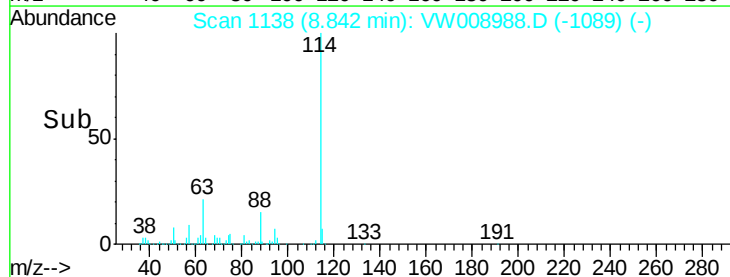
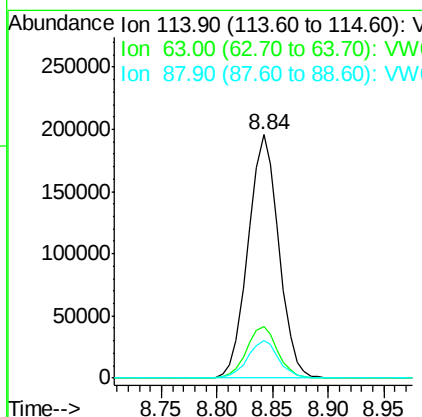
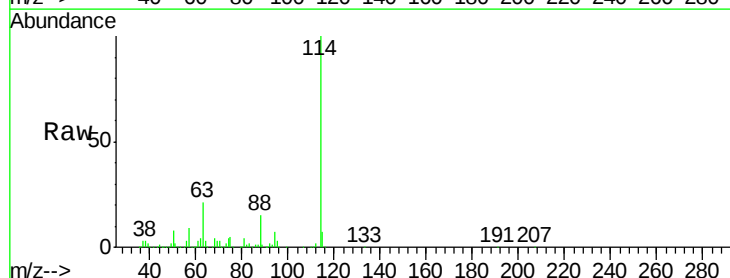
Manual Integrations
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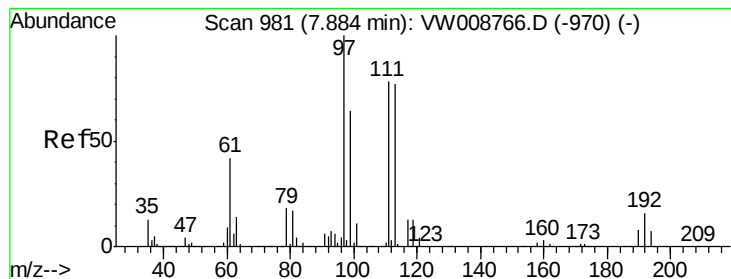
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	374965		
63	21.4	0.0	40.8	
88	15.4	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

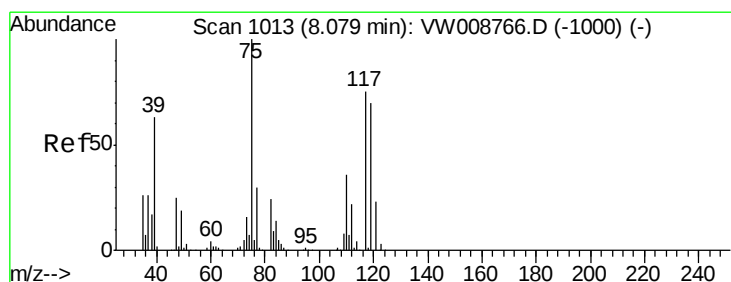
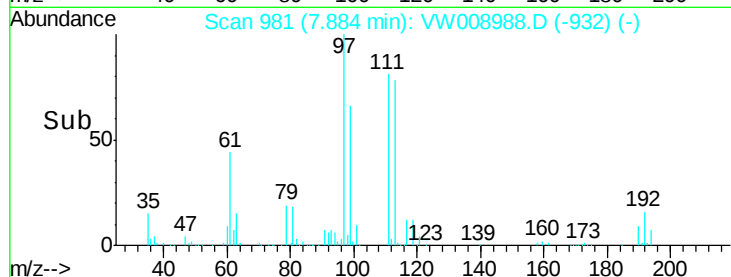
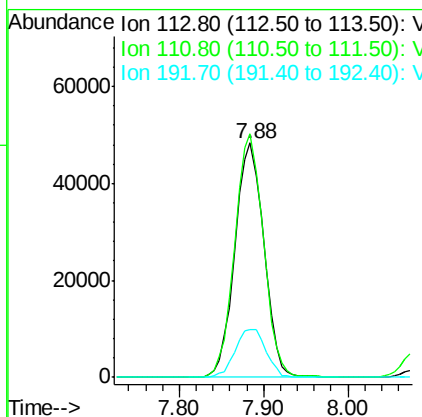
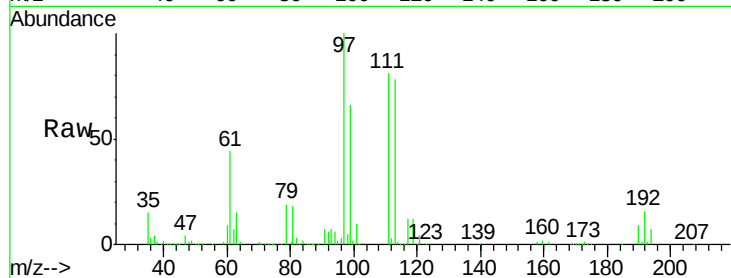
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	112585
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.9	122.9
192	21.8	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.302 ug/l

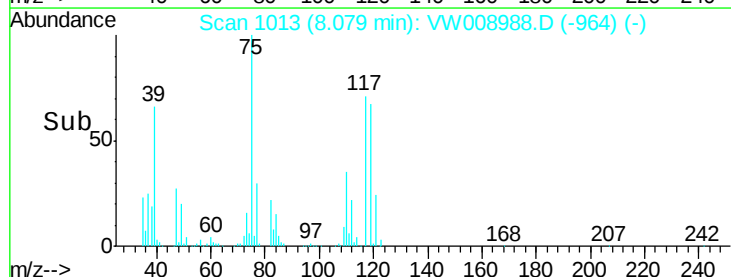
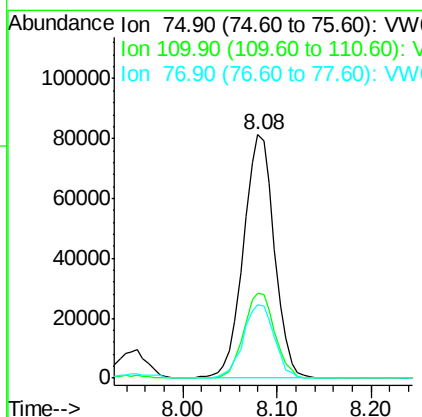
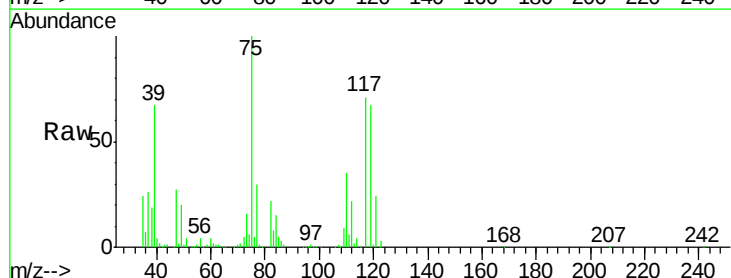
RT: 8.08 min Scan# 1013

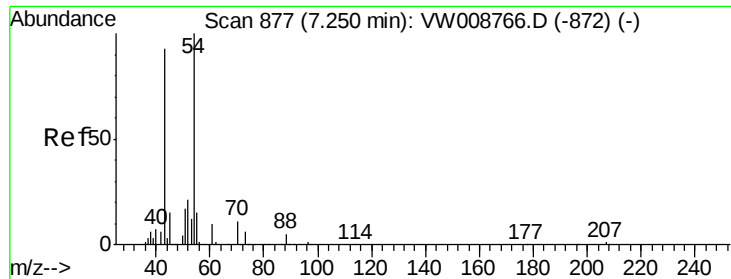
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	75	Resp:	187254
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.5	52.6
77	30.9	24.5	36.7





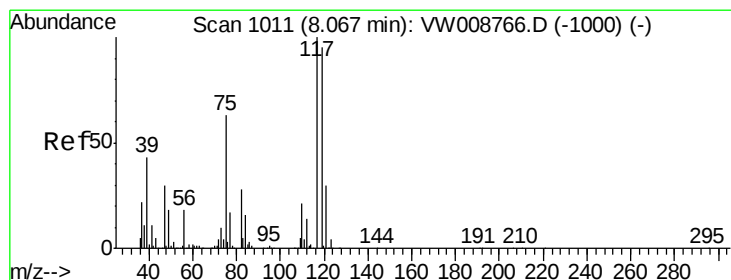
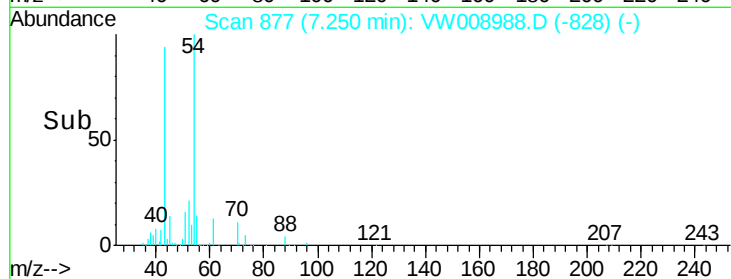
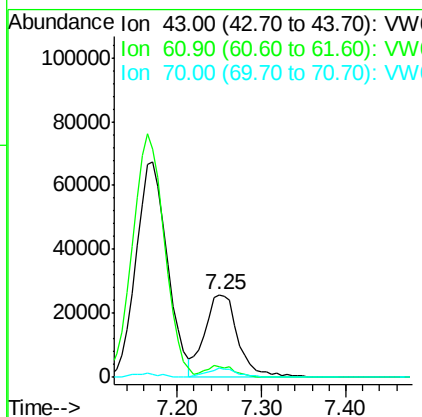
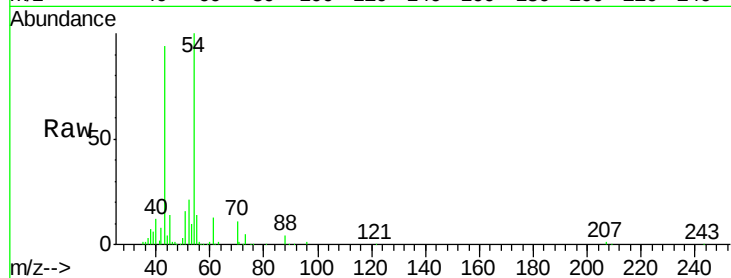
#37
Ethyl Acetate
Concen: 41.773 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	10.4	8.4	12.6

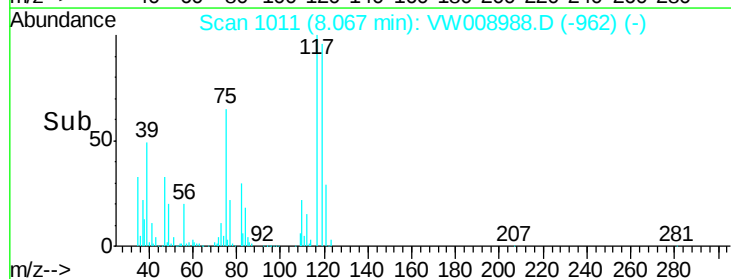
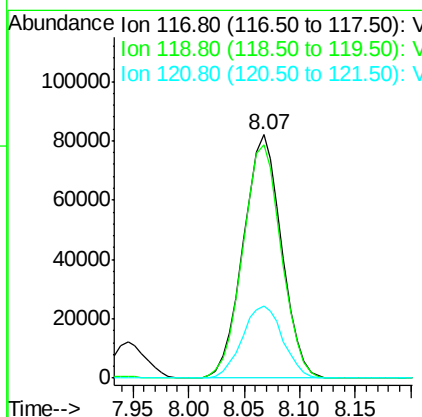
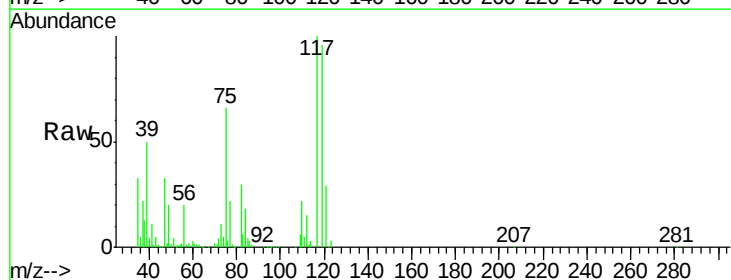
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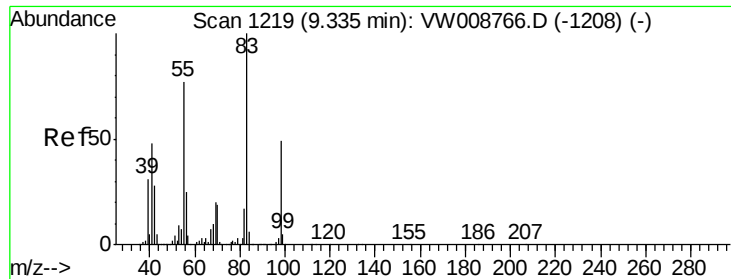
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#38
Carbon Tetrachloride
Concen: 50.923 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.1	114.1
121	29.4	24.0	36.0





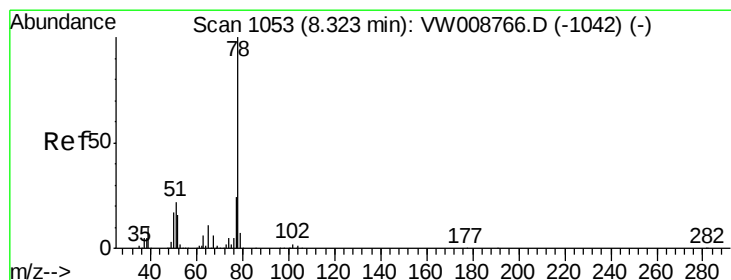
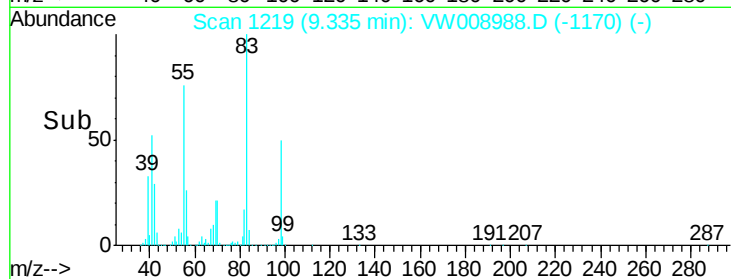
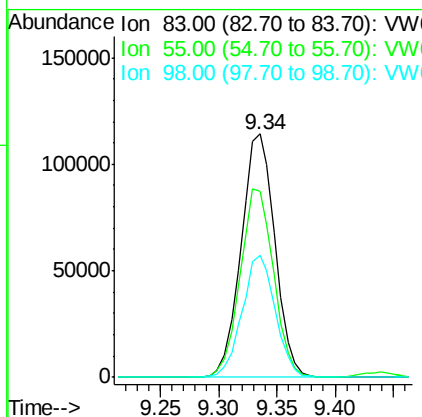
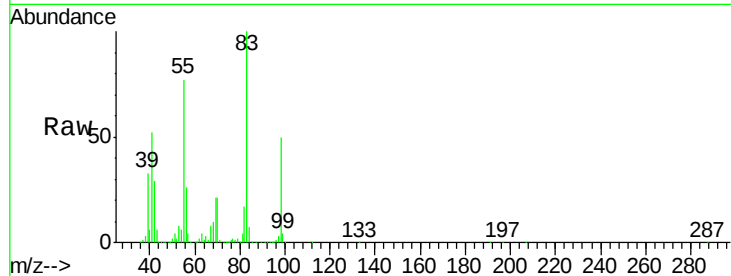
#39
Methvlcvclohexane
Concen: 50.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.2	91.8
98	50.1	39.4	59.2

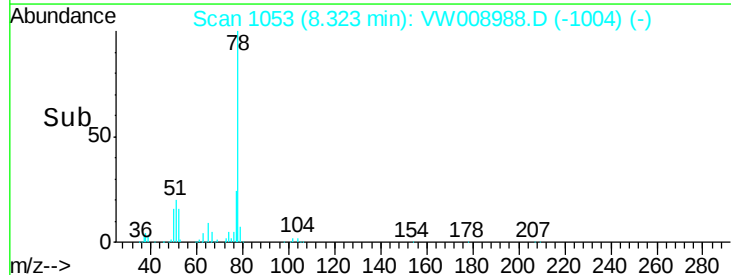
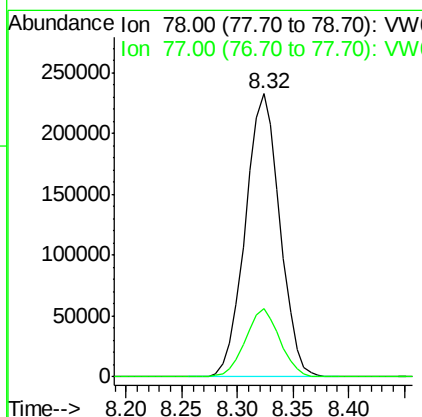
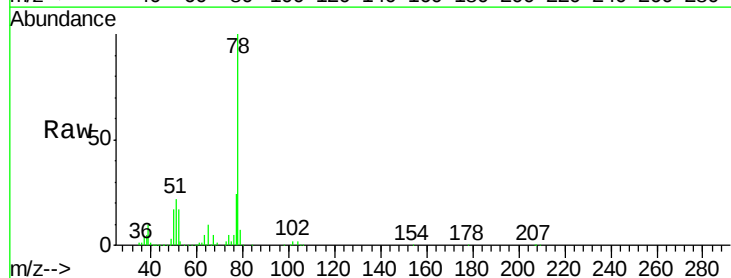
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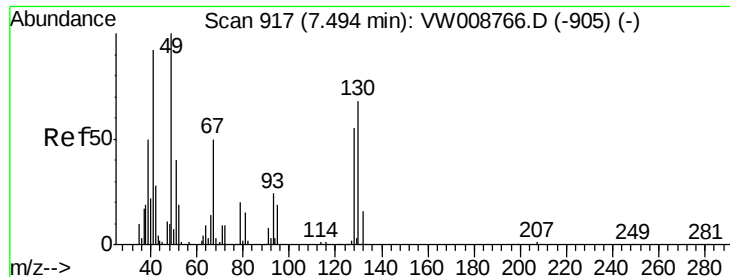
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#40
Benzene
Concen: 50.439 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





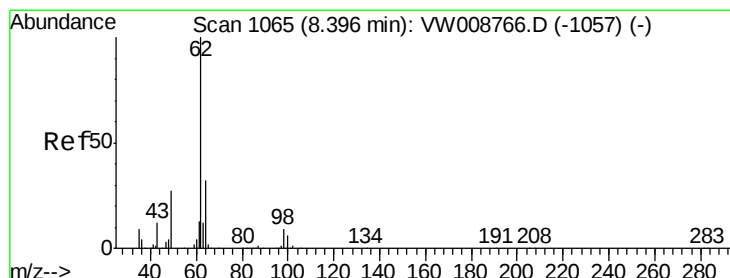
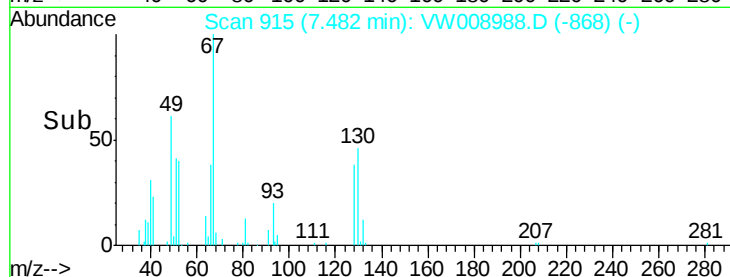
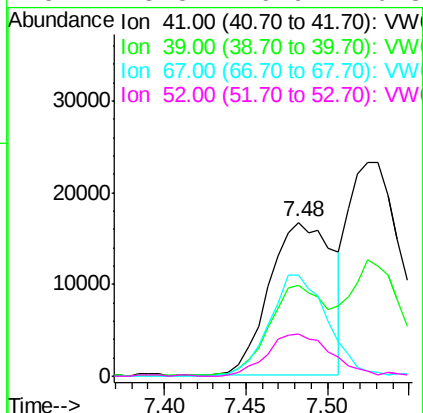
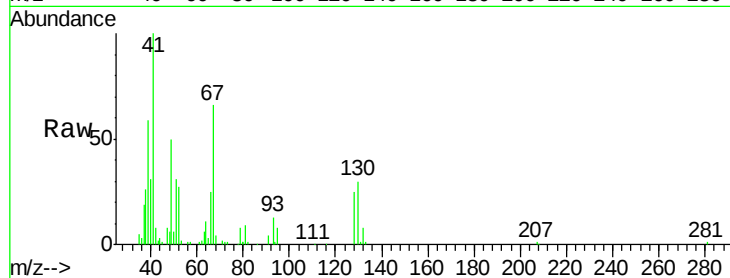
#41
Methacrylonitrile
Concen: 45.420 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	45316
Ion	Ratio	Lower	Upper
41	100		
39	50.2	52.5	78.7#
67	60.5	55.0	82.6
52	28.3	26.9	40.3

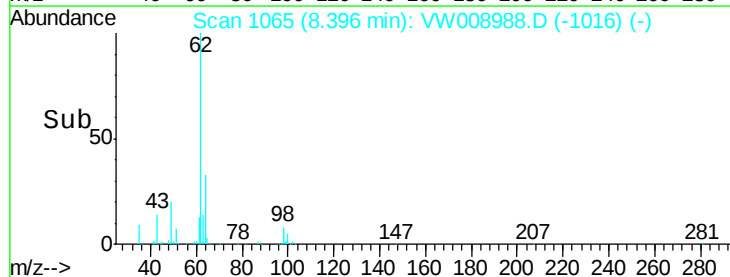
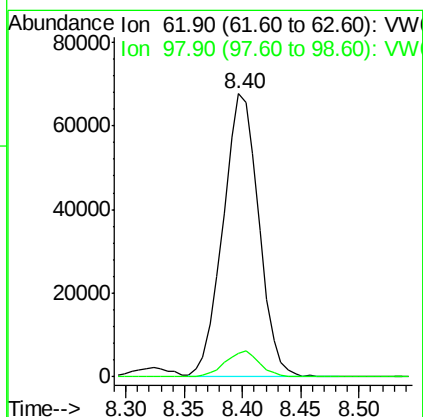
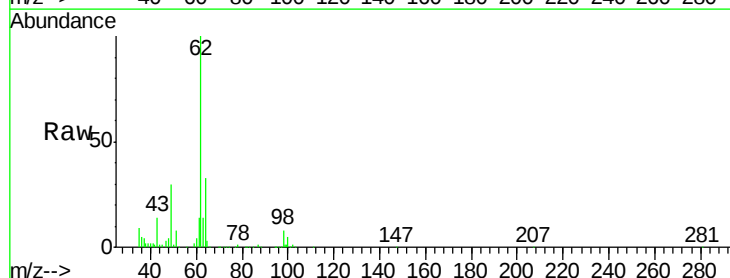
Manual Integrations
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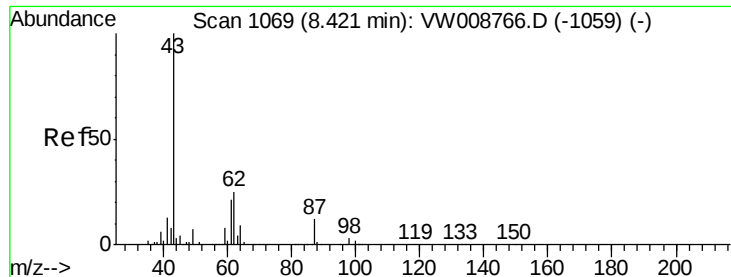
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.648 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion:	62	Resp:	144108
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





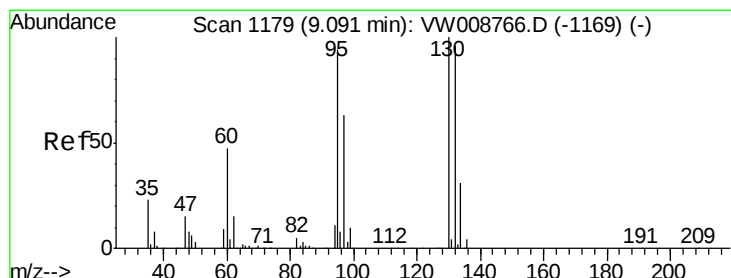
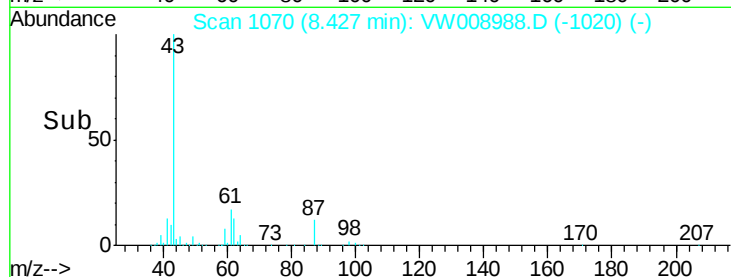
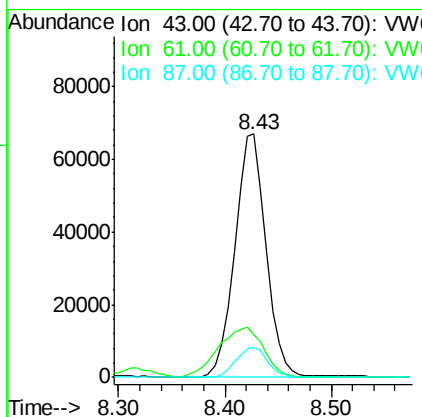
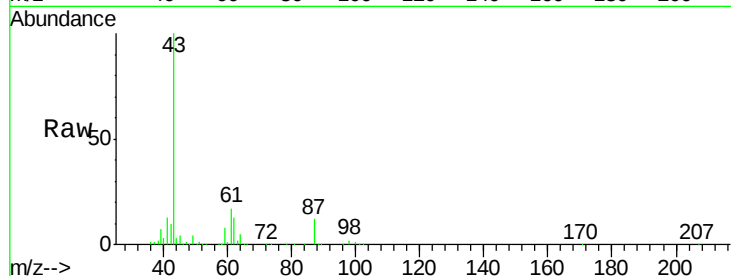
#43
Isopropyl Acetate
Concen: 40.547 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.2	34.8
87	12.5	9.9	14.9

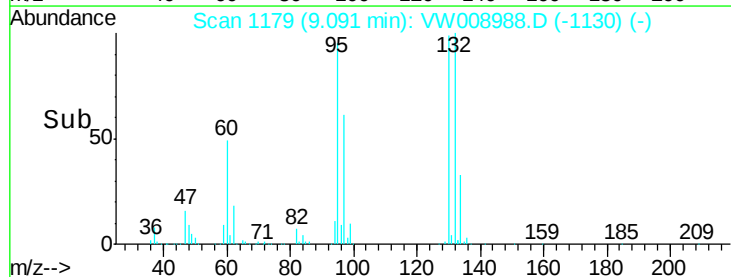
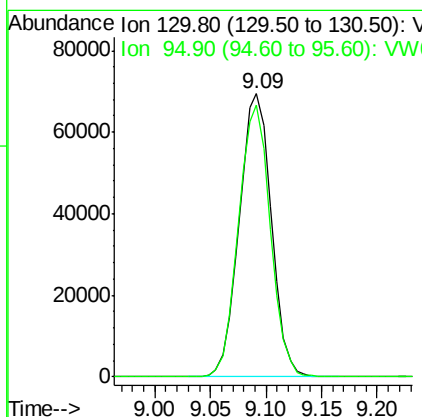
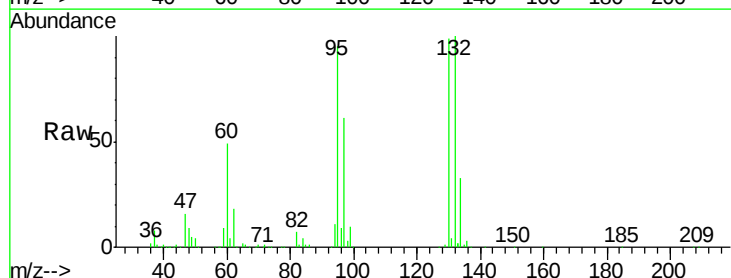
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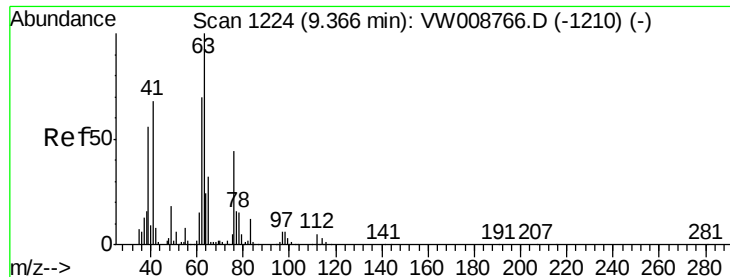
MMDadoda
3/6/2019 3:20:11 PM



#44
Trichloroethene
Concen: 49.478 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	188.6





#45

1,2-Dichloropropane

Concen: 49.906 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 122902

Ion Ratio Lower Upper

63 100

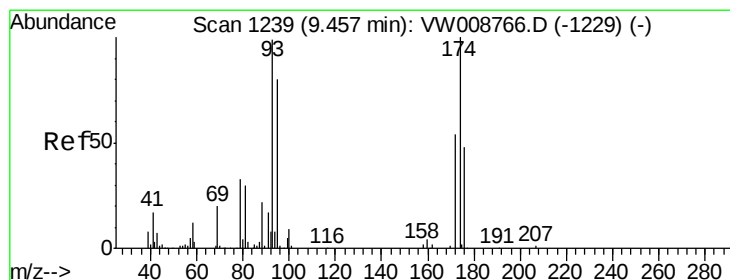
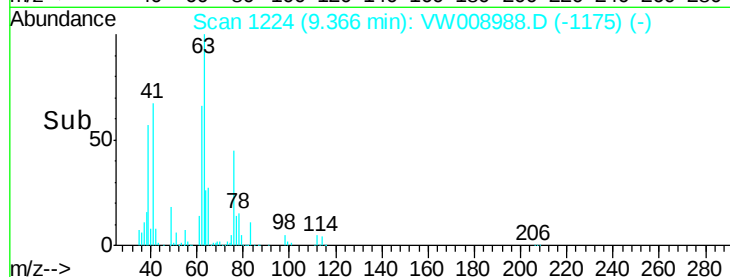
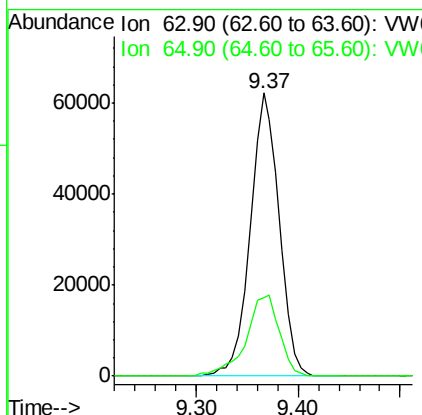
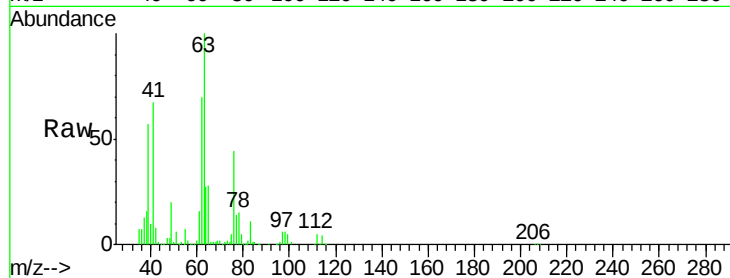
65 28.0 25.5 38.3

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#46

Dibromomethane

Concen: 45.108 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

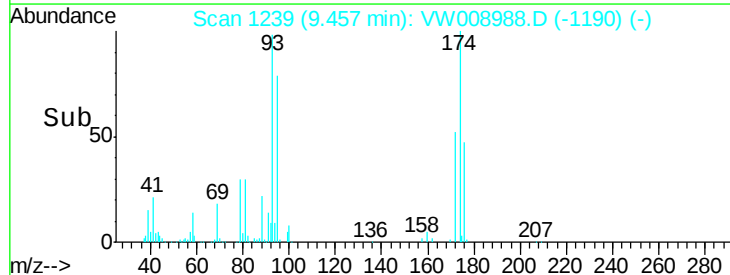
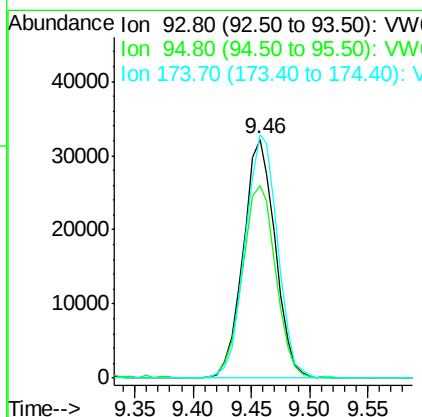
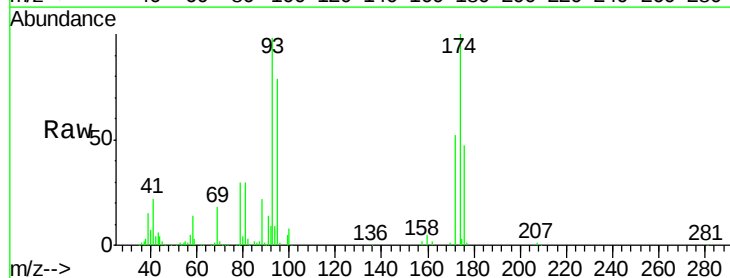
Tgt Ion: 93 Resp: 61790

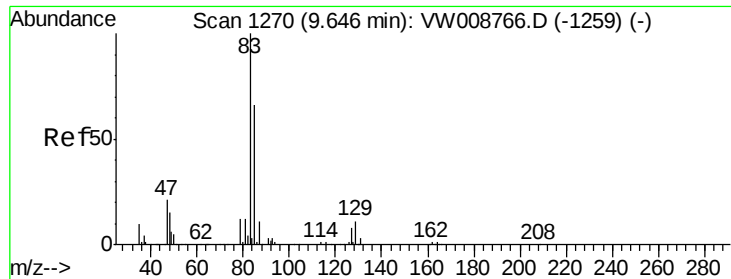
Ion Ratio Lower Upper

93 100

95 84.1 67.7 101.5

174 103.8 86.7 130.1





#47

Bromodichloromethane

Concen: 49.125 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

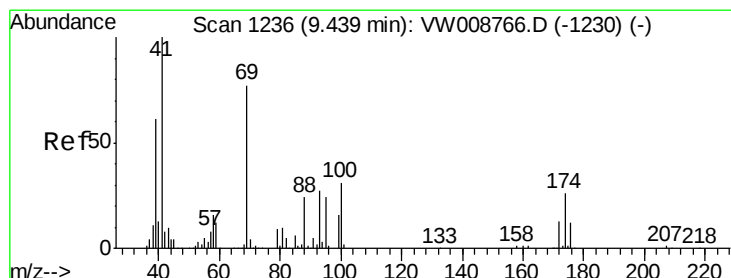
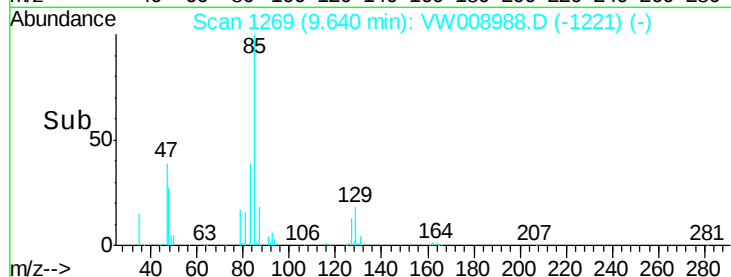
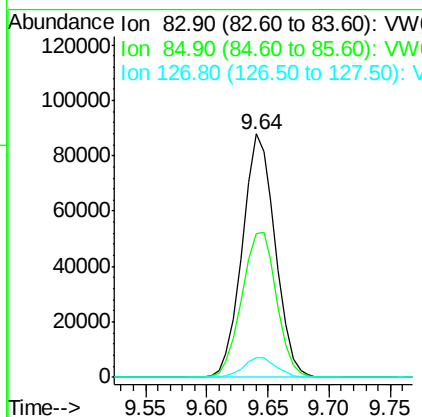
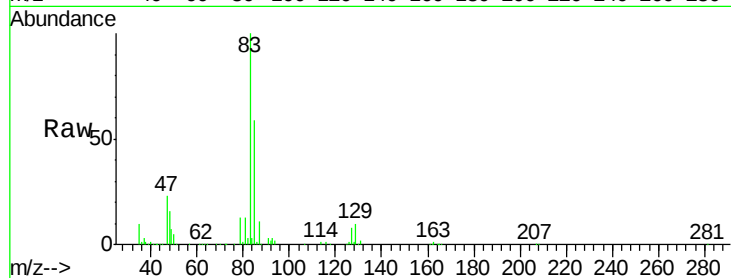
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163726
Ion Ratio	Lower	Upper	
83	100		
85	59.2	52.5	78.7
127	7.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 41.597 ug/l

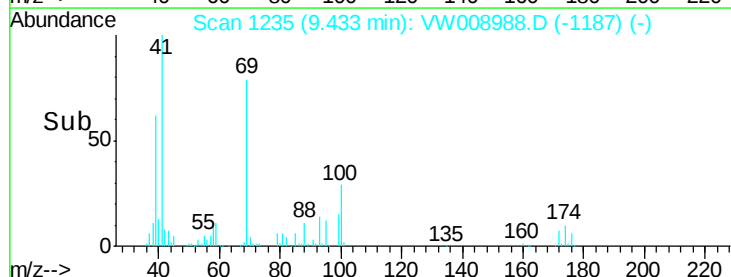
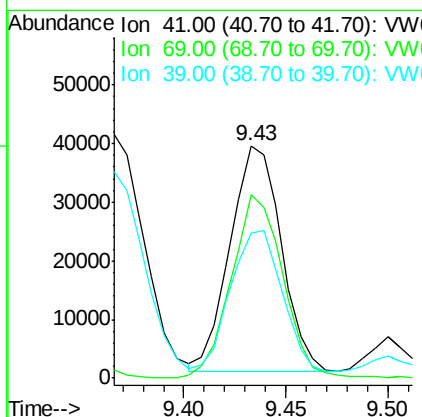
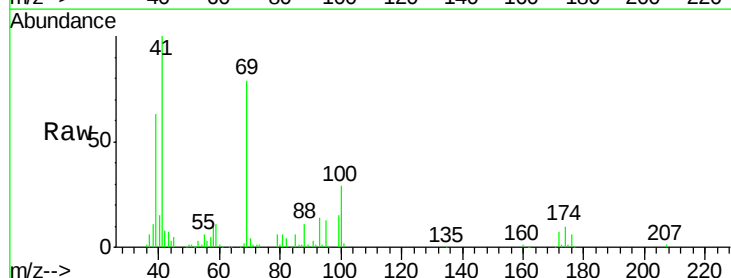
RT: 9.43 min Scan# 1235

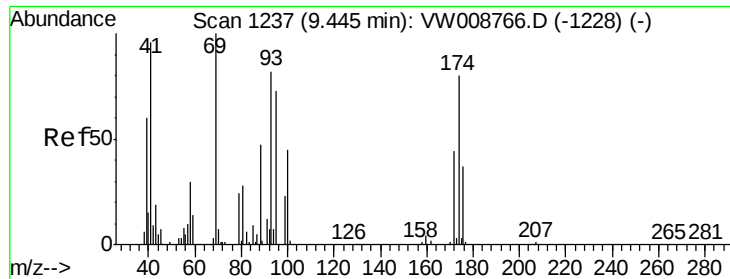
Delta R.T. -0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	41	Resp:	67490
Ion Ratio	Lower	Upper	
41	100		
69	81.7	63.6	95.4
39	62.9	52.1	78.1





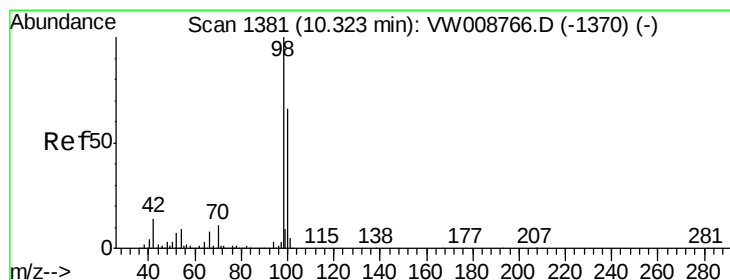
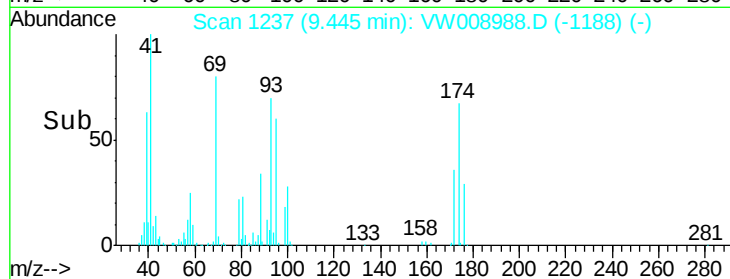
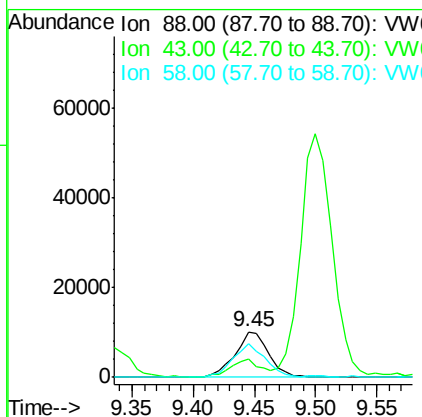
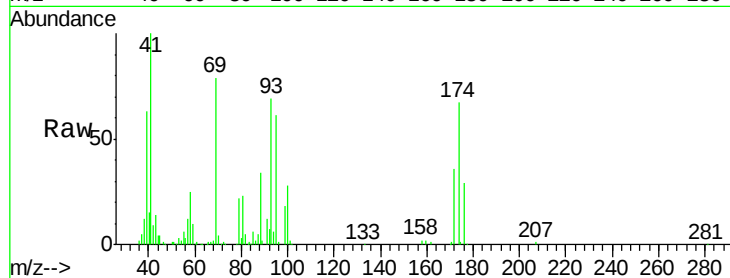
#49
1,4-Dioxane
Concen: 888.740 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.0	43.4
58	71.5	52.0	78.0

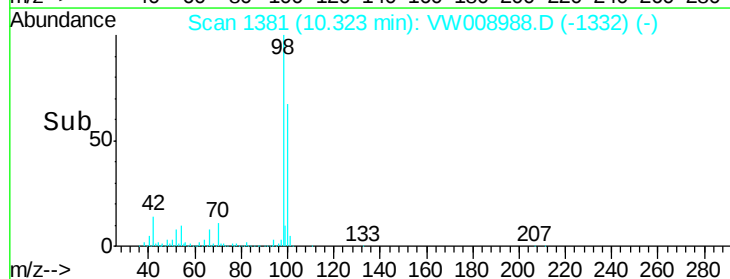
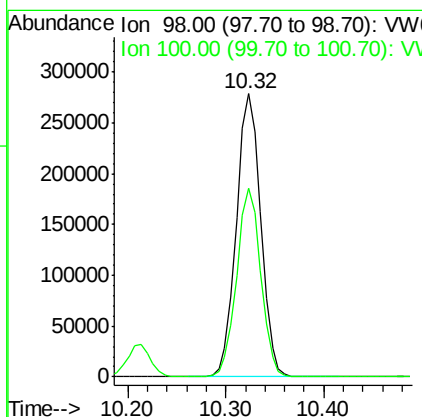
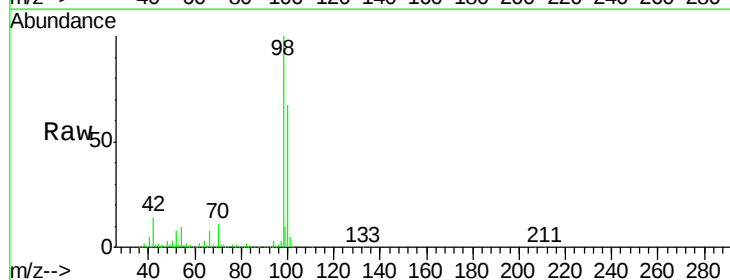
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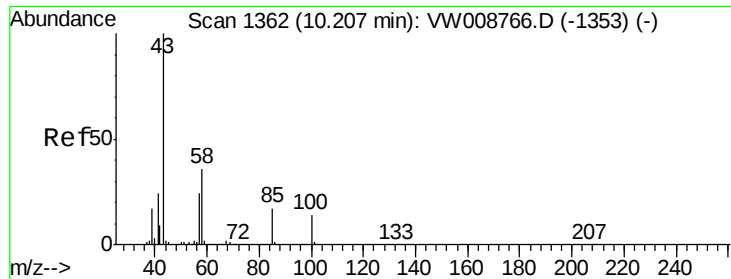
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#50
Toluene-d8
Concen: 55.548 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





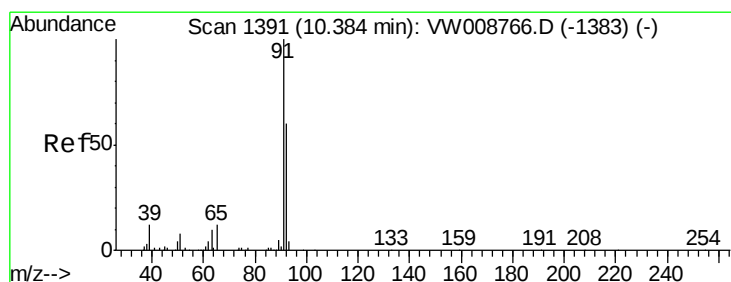
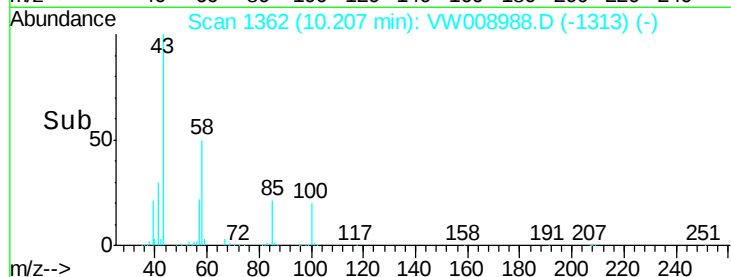
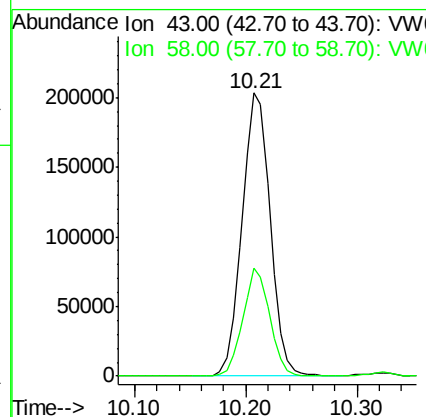
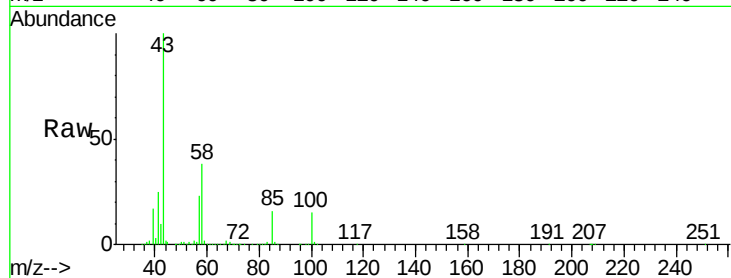
#51
4-Methyl-2-Pentanone
Concen: 206.673 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	355451
Ion Ratio	100	Lower	Upper
58	36.5	29.1	43.7

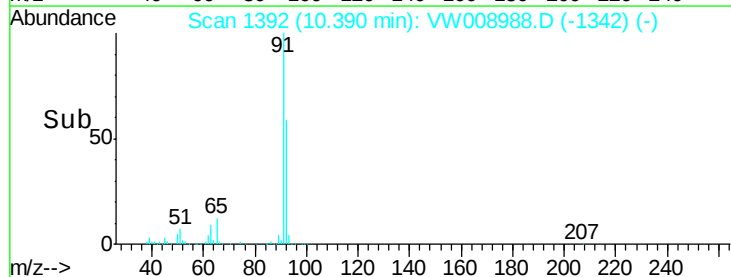
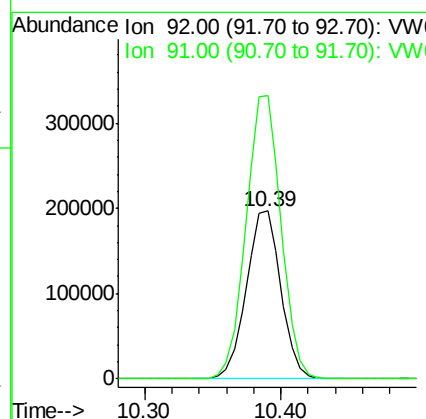
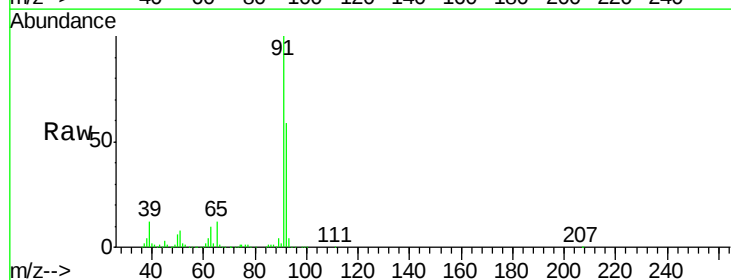
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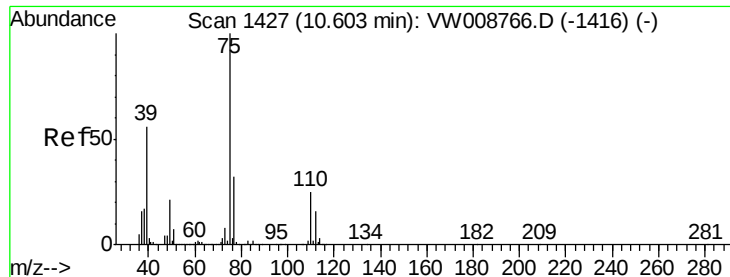
MMDadoda
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#52
Toluene
Concen: 51.543 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	92	Resp	348613
Ion Ratio	100	Lower	Upper
91	171.4	136.9	205.3





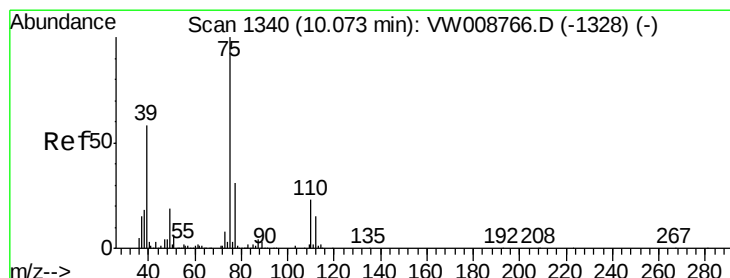
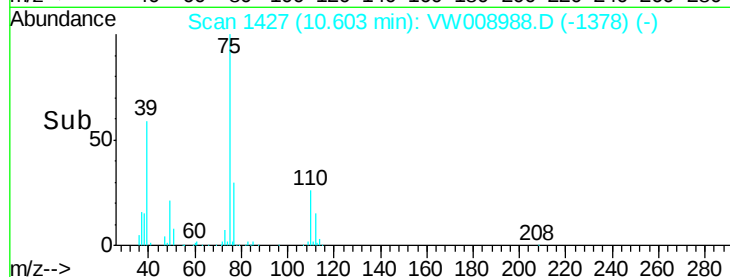
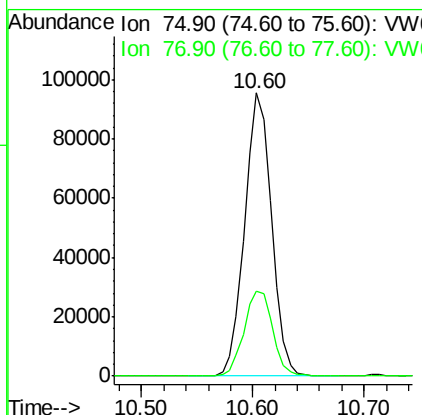
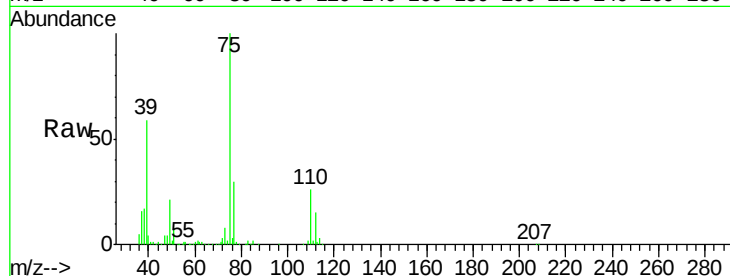
#53
t-1,3-Dichloropropene
Concen: 47.343 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.1	39.1

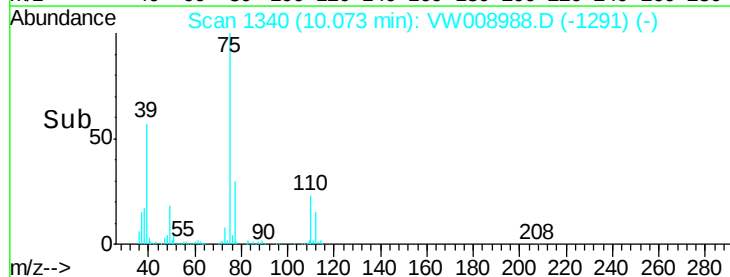
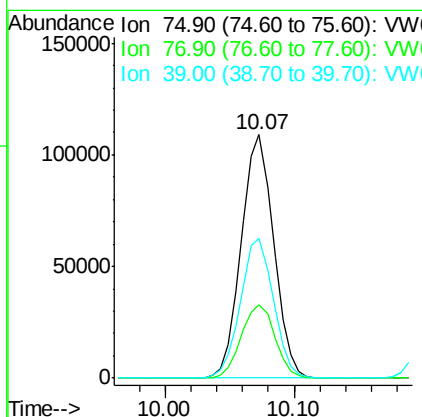
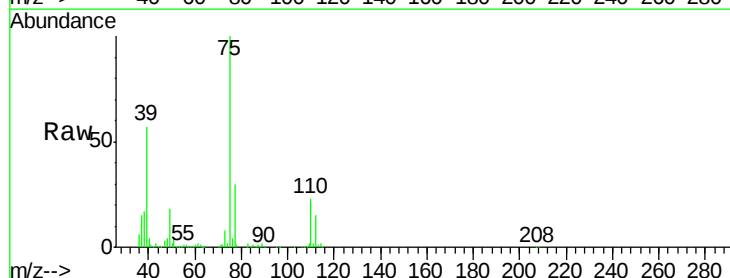
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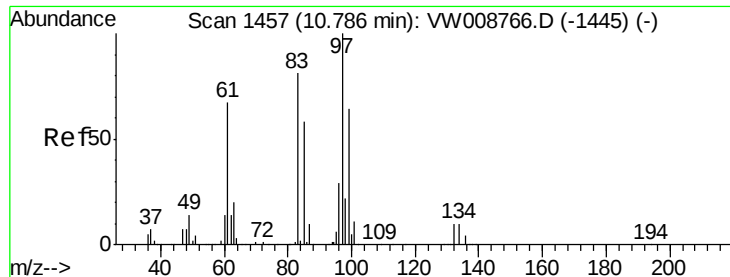
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#54
cis-1,3-Dichloropropene
Concen: 49.116 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.4
39	57.3	46.6	70.0





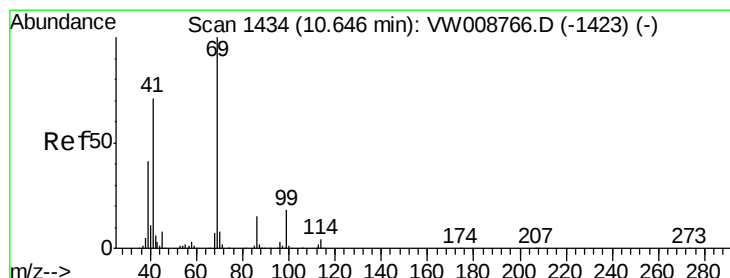
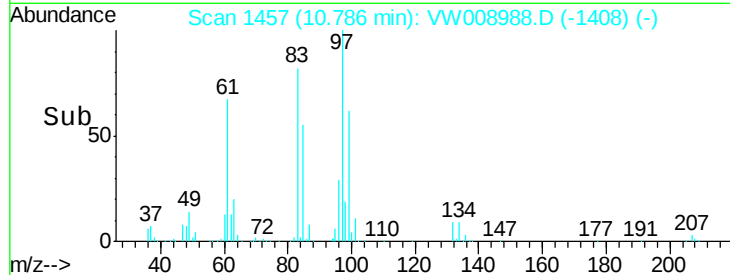
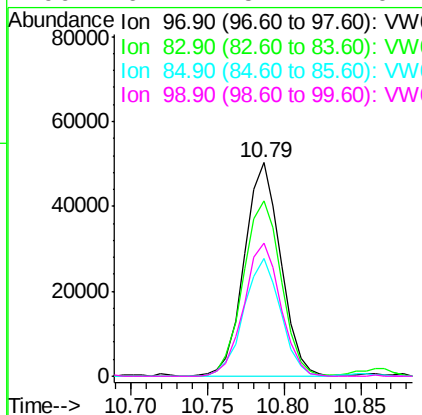
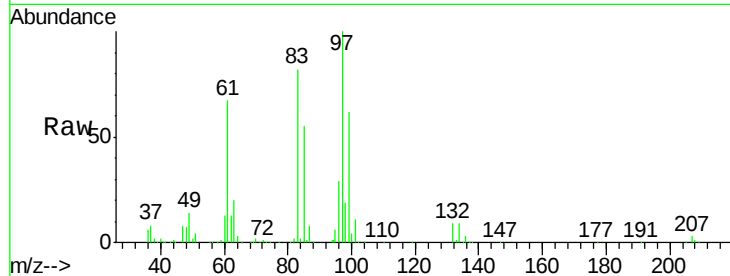
#55
 1,1,2-Trichloroethane
 Concen: 44.969 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		83539		
83	82.3	65.0	97.6		
85	55.2	46.0	69.0		
99	62.2	51.1	76.7		

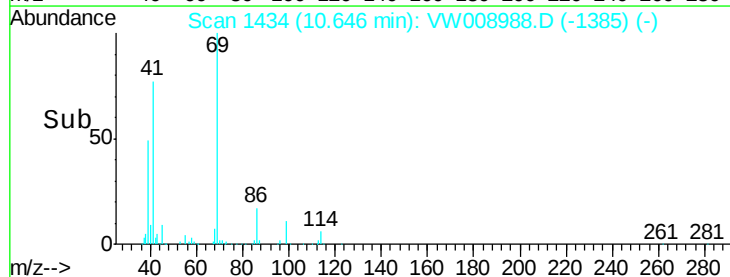
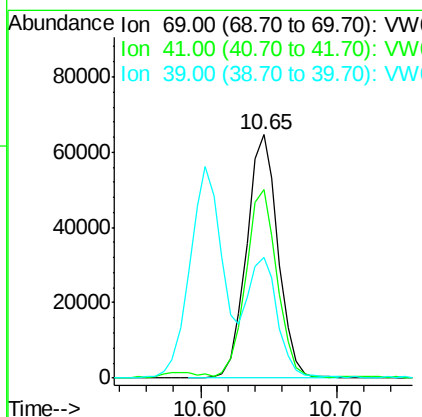
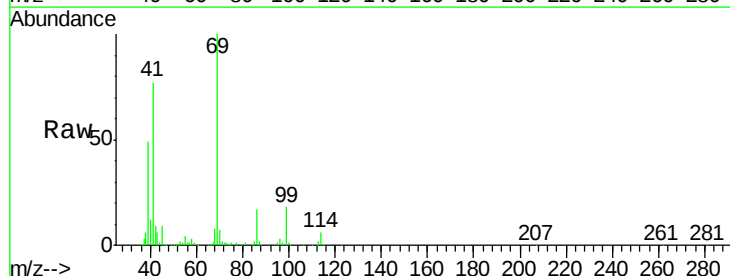
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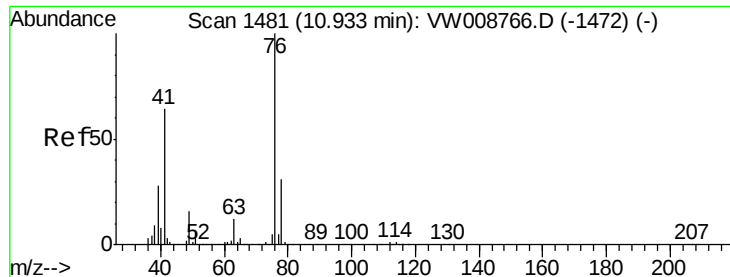
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#56
 Ethyl methacrylate
 Concen: 43.214 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104299		
41	76.5	57.4	86.0		
39	46.3	34.8	52.2		





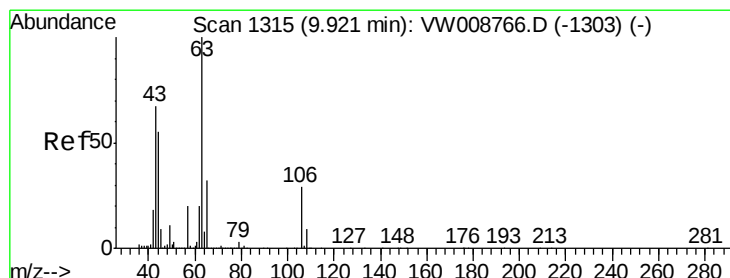
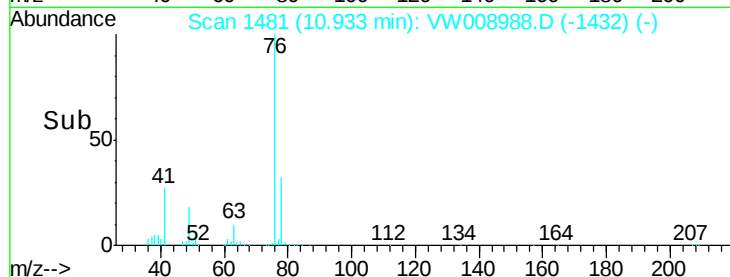
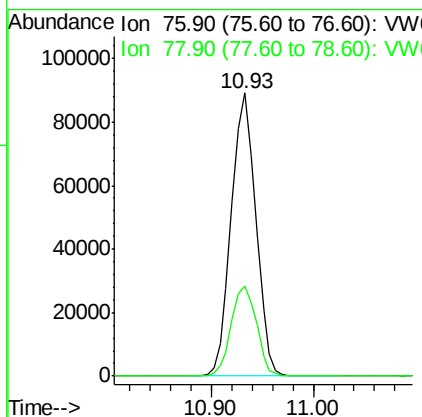
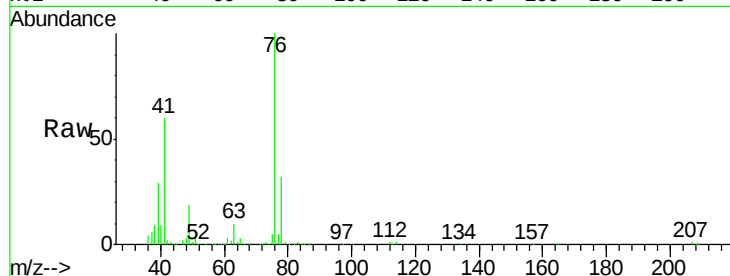
#57
 1,3-Dichloropropane
 Concen: 45.391 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

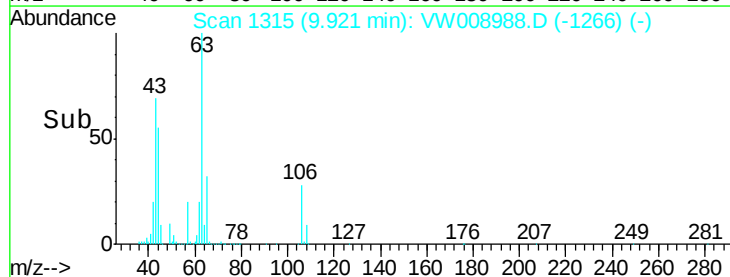
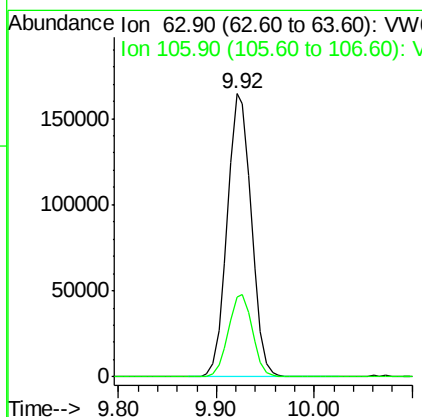
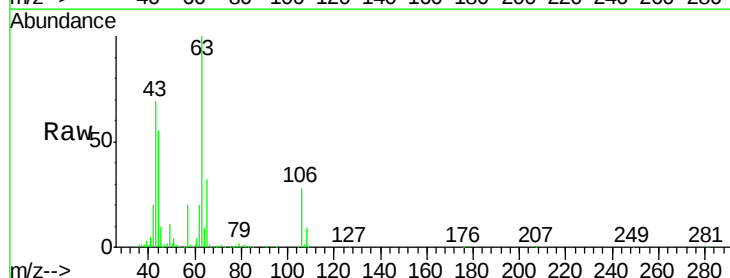
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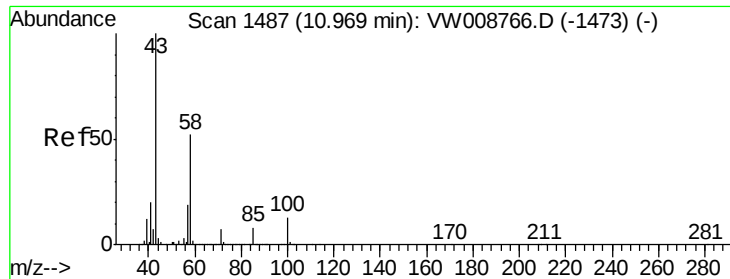
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#58
 2-Chloroethyl Vinyl ether
 Concen: 232.092 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	24.0	36.0





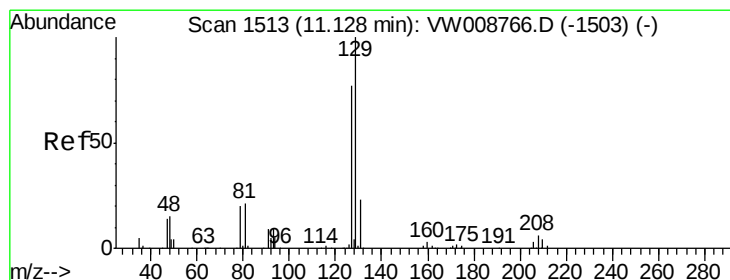
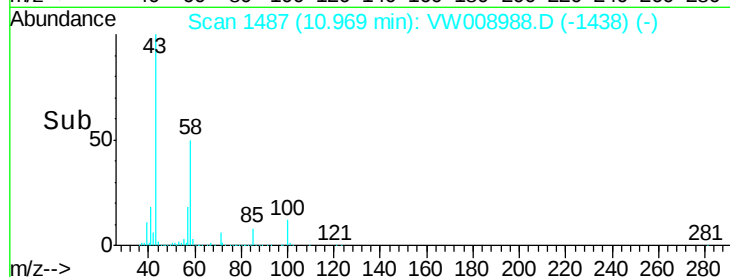
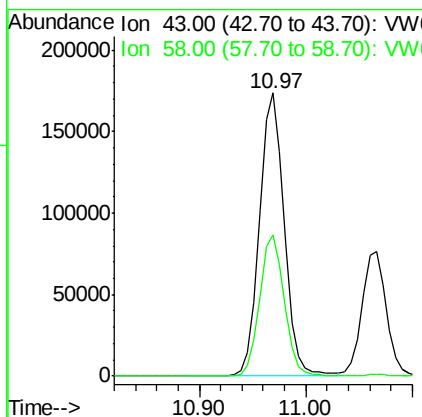
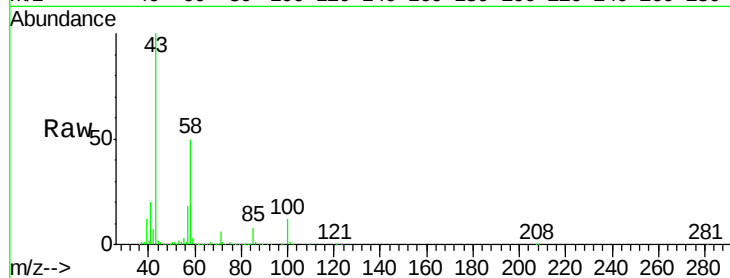
#59
2-Hexanone
Concen: 231.649 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	25.3	75.8

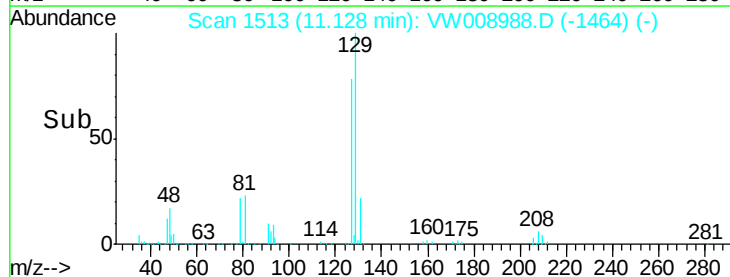
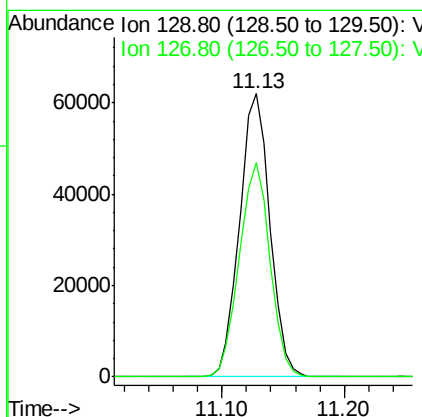
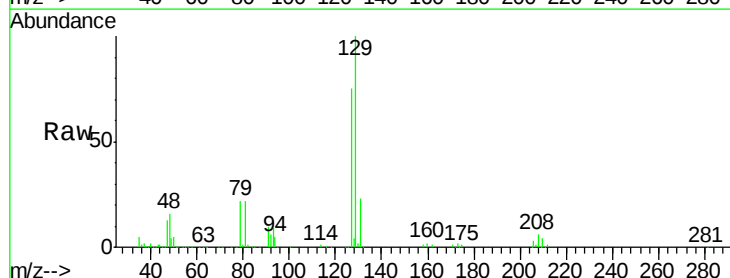
Manual Integrations
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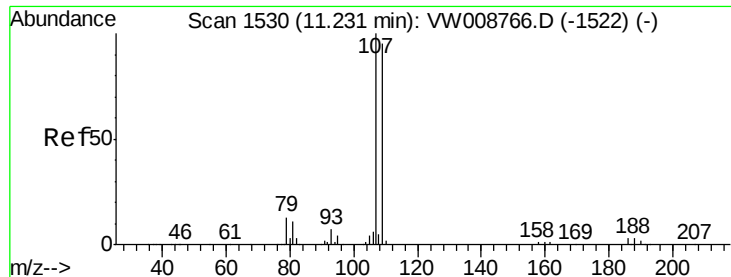
MMDadoda
3/6/2019 3:20:11 PM



#60
Dibromochloromethane
Concen: 47.265 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.0	116.9





#61

1,2-Dibromoethane

Concen: 44.918 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 82597

Ion Ratio Lower Upper

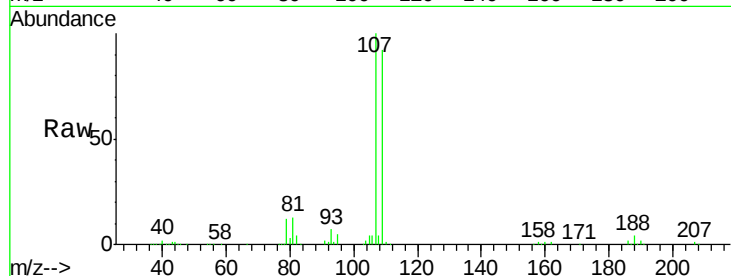
107 100

109 93.8 75.6 113.4

Manual Integrations
APPROVED

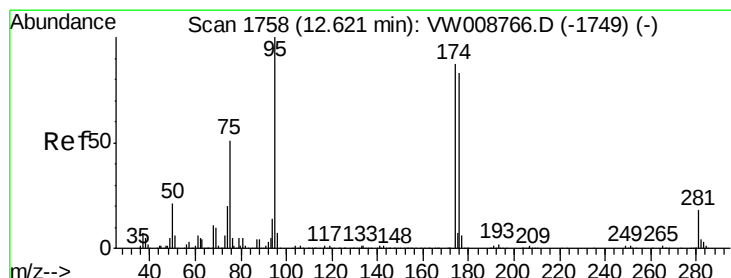
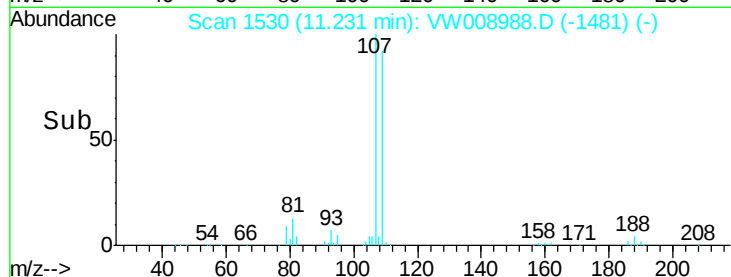
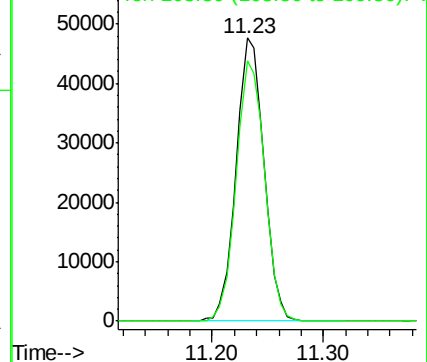
MMDadoda

3/6/2019 3:20:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.389 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

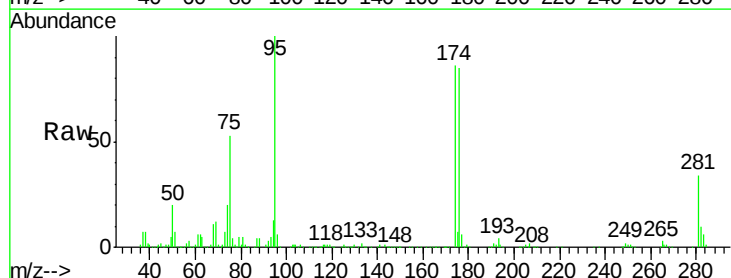
Tgt Ion: 95 Resp: 181673

Ion Ratio Lower Upper

95 100

174 85.1 0.0 169.2

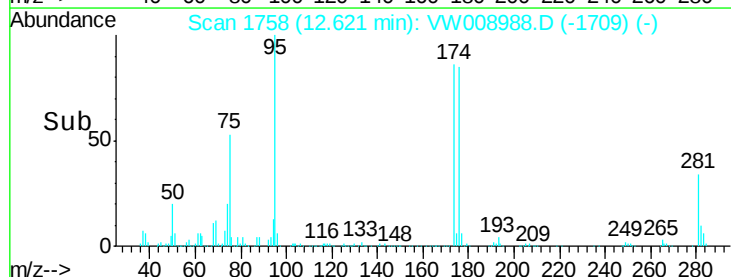
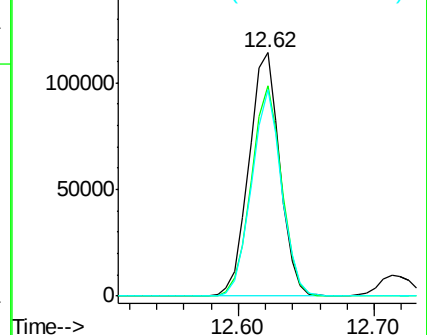
176 82.2 0.0 163.6

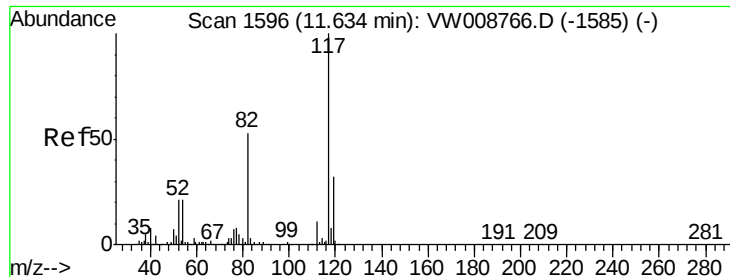


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





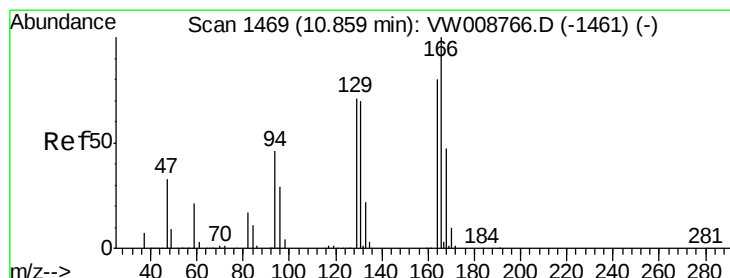
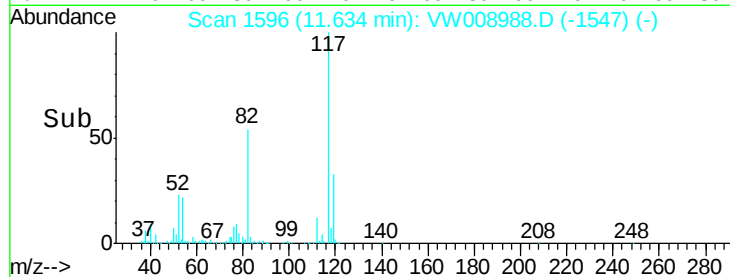
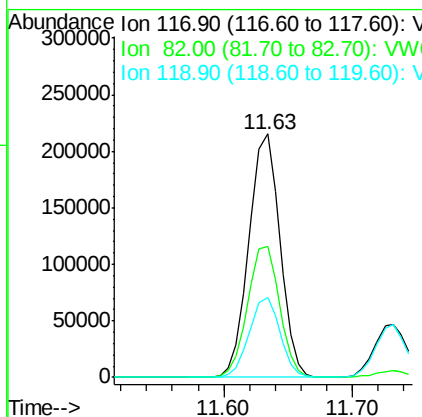
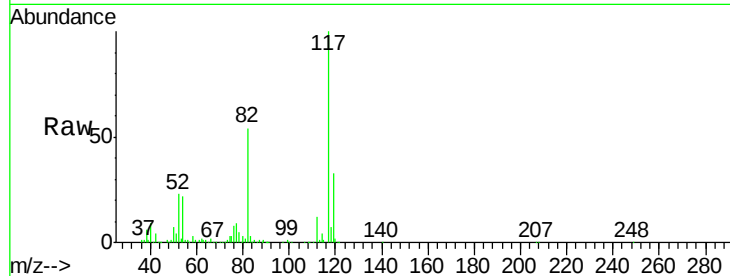
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	357876		
82	53.7	42.2	63.4	
119	32.7	25.9	38.9	

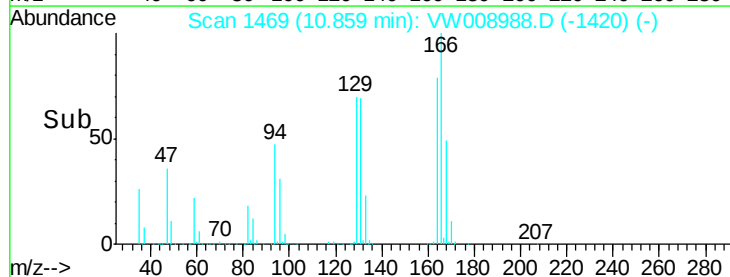
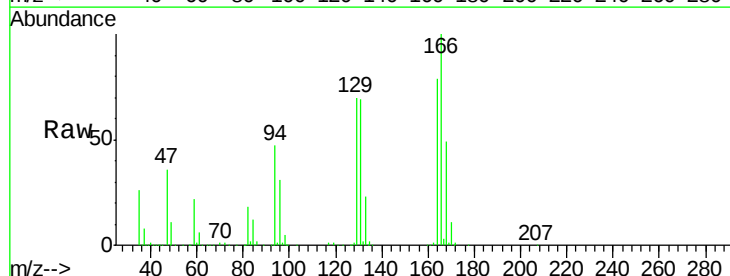
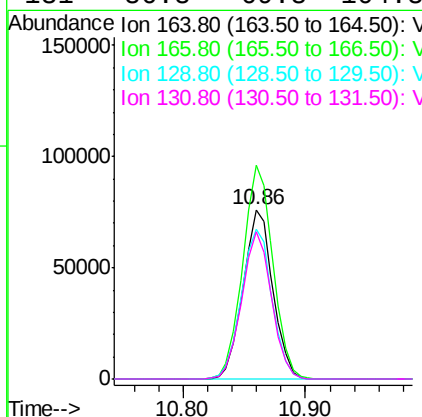
Manual Integrations
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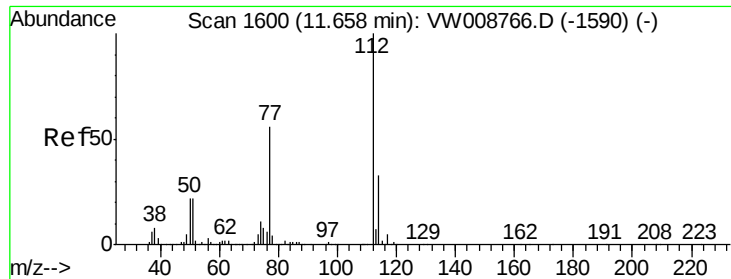
MMDadoda
3/6/2019 3:20:11 PM



#64
Tetrachloroethene
Concen: 50.034 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	128173		
166	126.4	99.5	149.3	
129	89.0	71.1	106.7	
131	86.8	69.8	104.8	





#65

Chlorobenzene

Concen: 49.819 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 374896

Ion Ratio Lower Upper

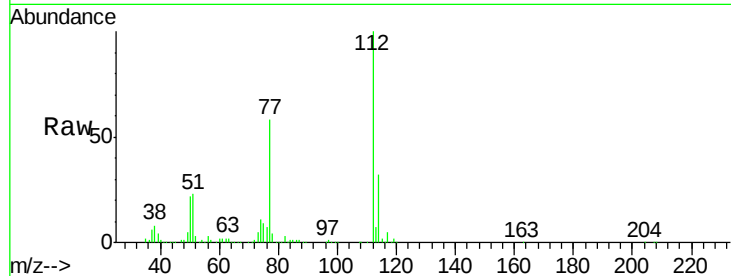
112 100

114 32.4 26.6 40.0

Manual Integrations
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MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

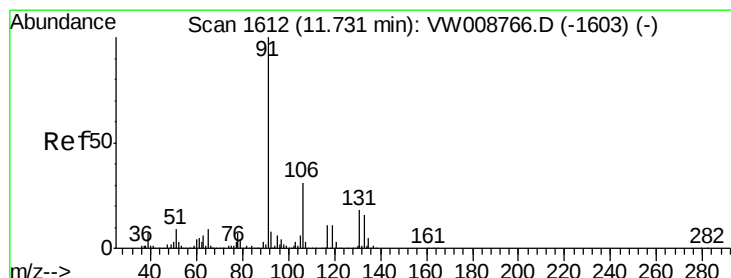
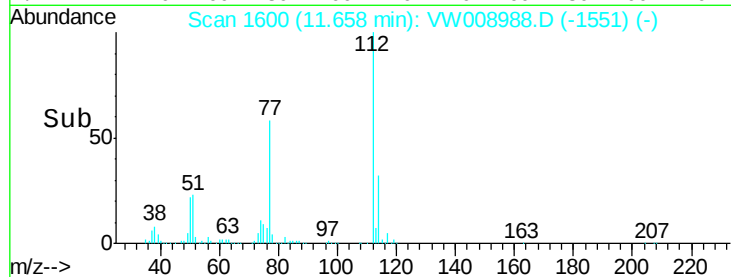
50000

0

11.66

11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.434 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

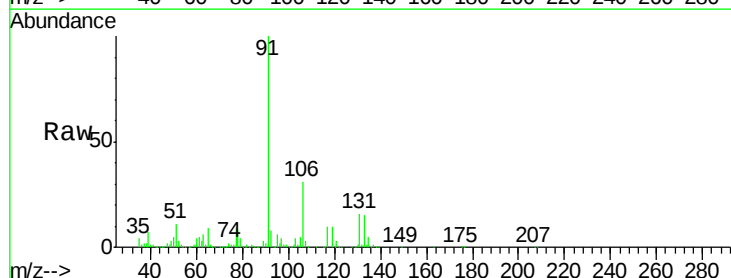
Tgt Ion:131 Resp: 123237

Ion Ratio Lower Upper

131 100

133 93.0 46.7 140.0

119 62.5 30.8 92.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

40000

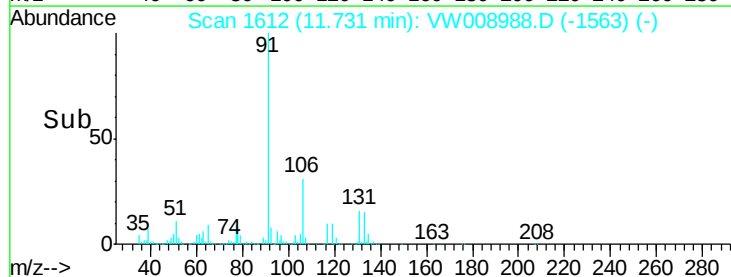
20000

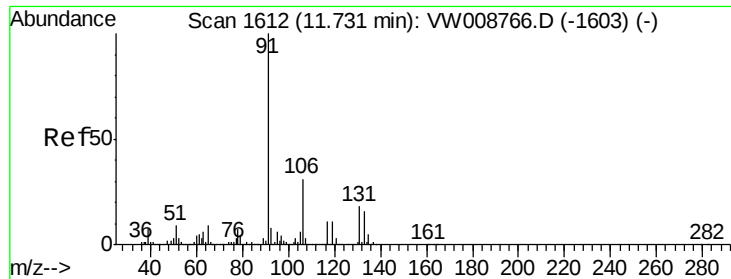
0

11.73

11.80

Time-->





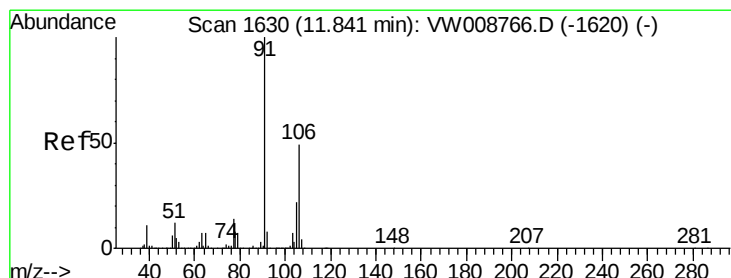
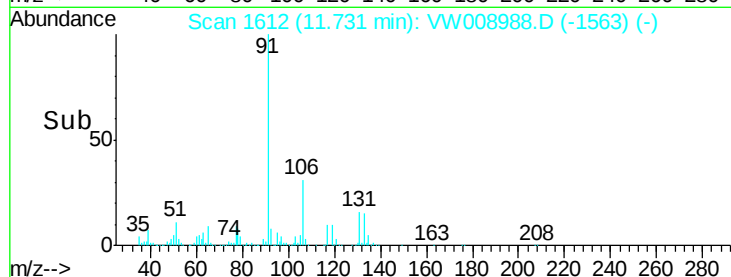
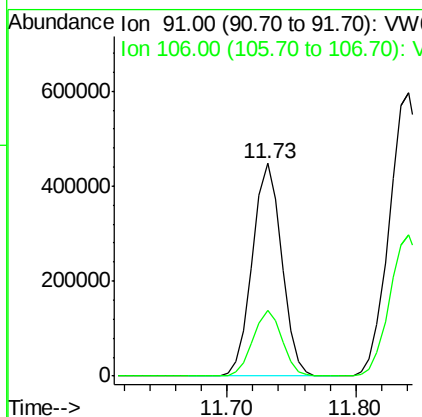
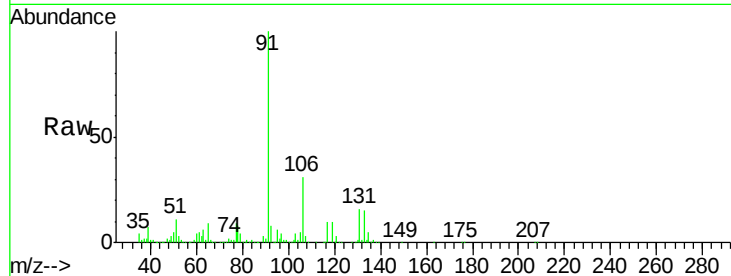
#67
Ethyl Benzene
Concen: 52.163 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.7	25.0	37.6	

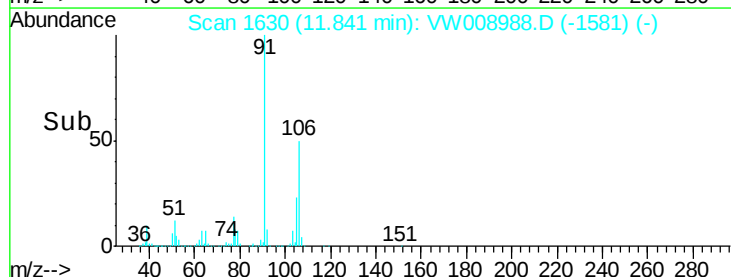
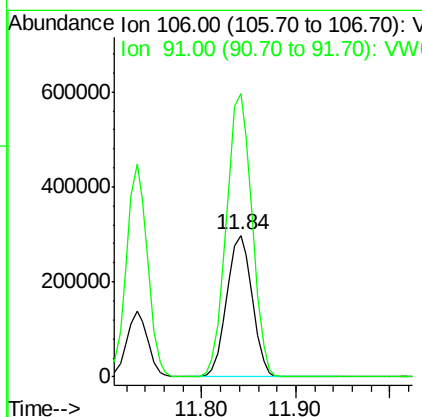
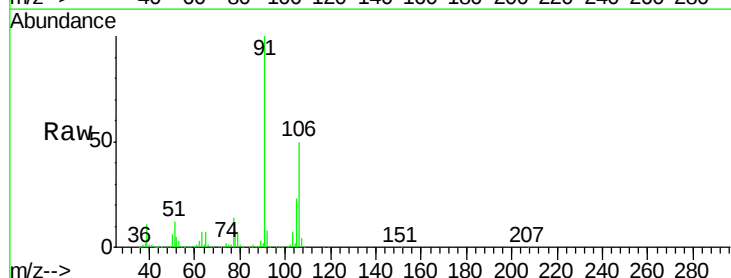
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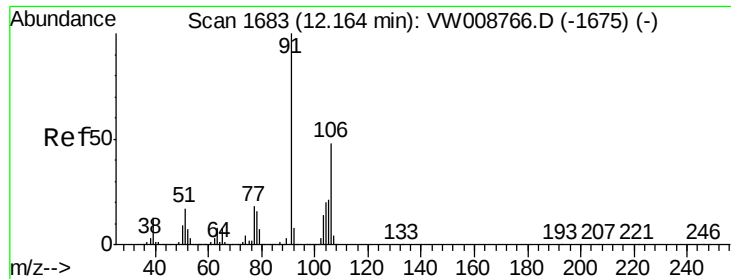
MMDadoda
3/6/2019 3:20:11 PM



#68
m/p-Xylenes
Concen: 103.713 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.0	161.5	242.3	





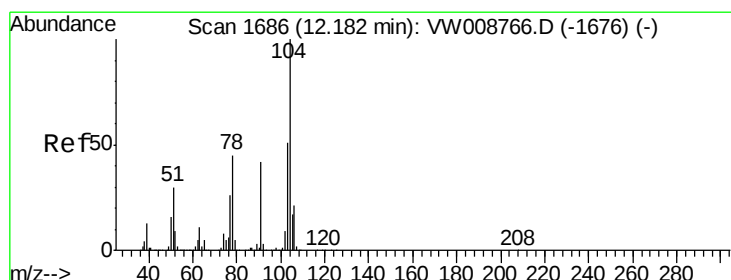
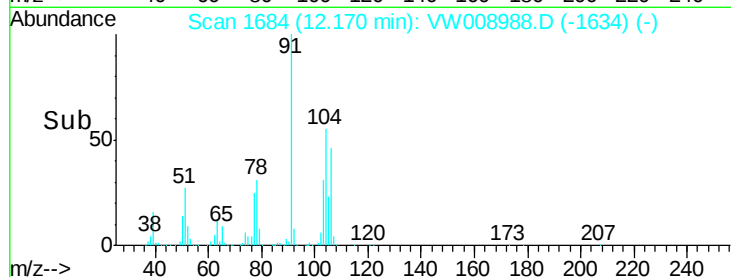
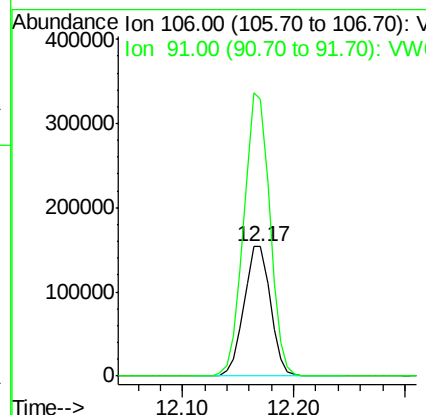
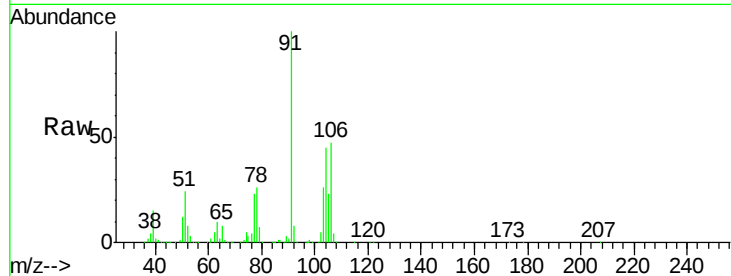
#69
o-Xylene
Concen: 50.507 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		254803		
91	214.4	106.2	318.6		

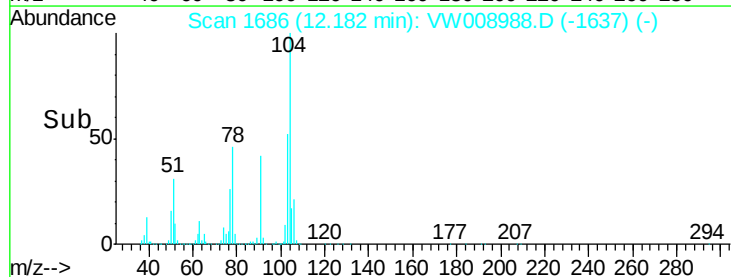
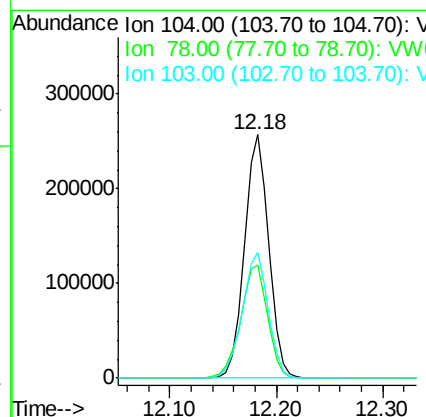
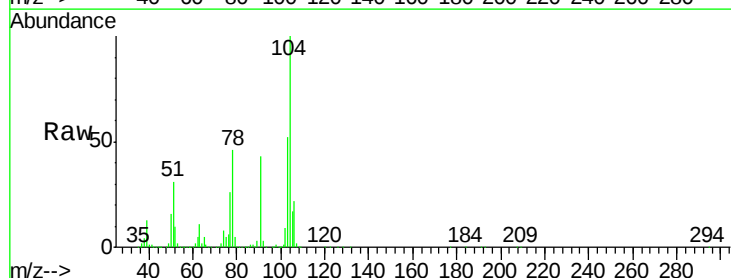
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#70
Styrene
Concen: 50.633 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		410957		
78	51.5	40.8	61.2		
103	55.4	44.2	66.2		





#71

Bromoform

Concen: 44.995 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

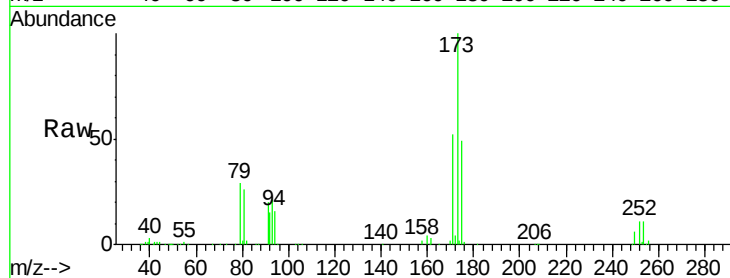
ClientSampleId :

VSTDCCC050

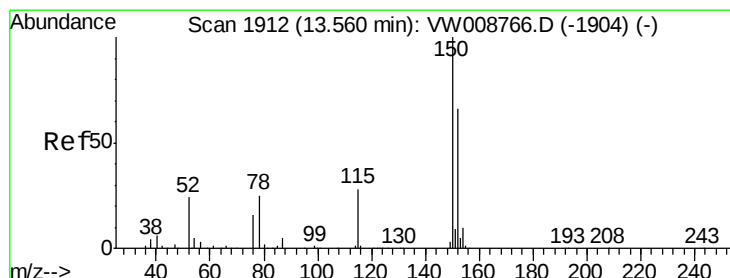
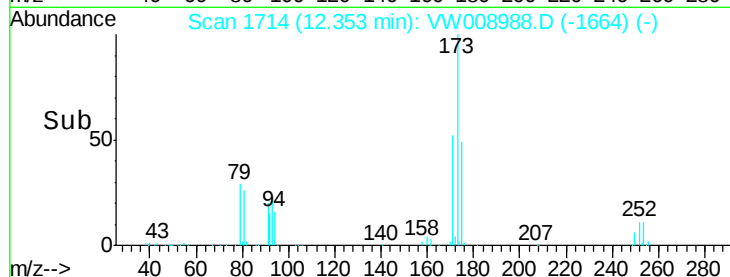
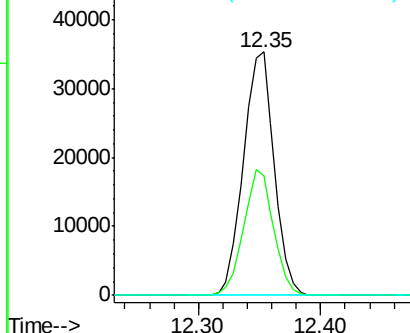
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	50.3	24.2	72.6	
254	0.2	0.2	0.4	

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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

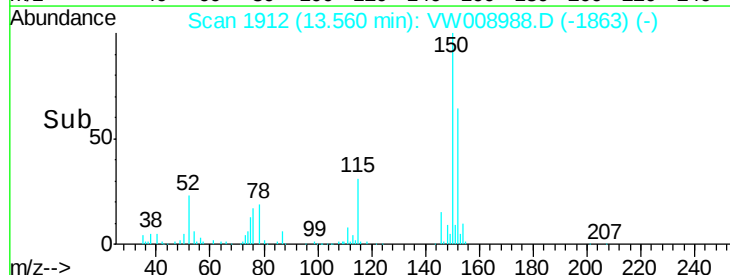
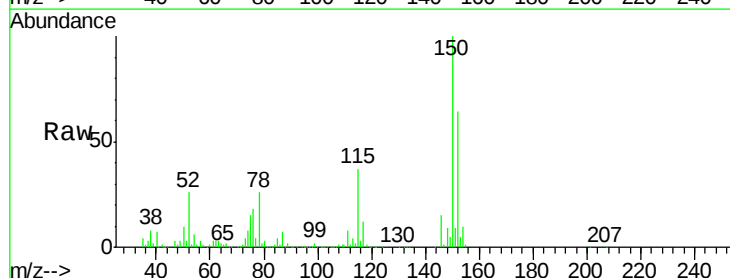
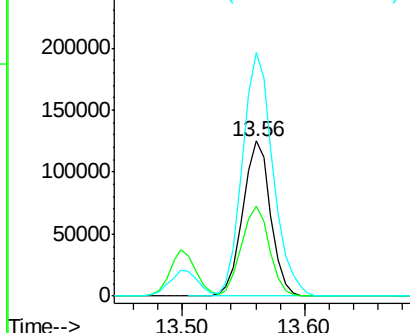
Delta R.T. 0.00 min

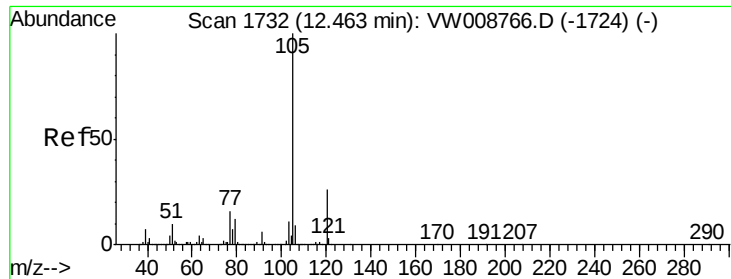
Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	58.4	28.6	85.8	
150	173.0	0.0	348.0	

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





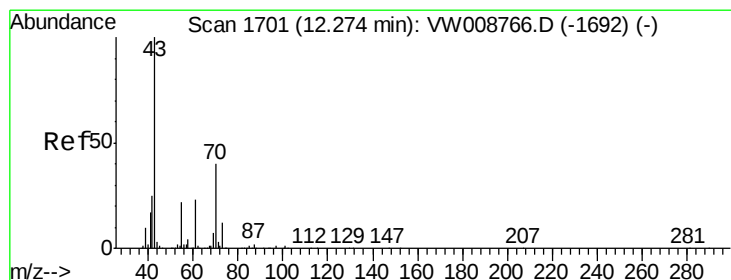
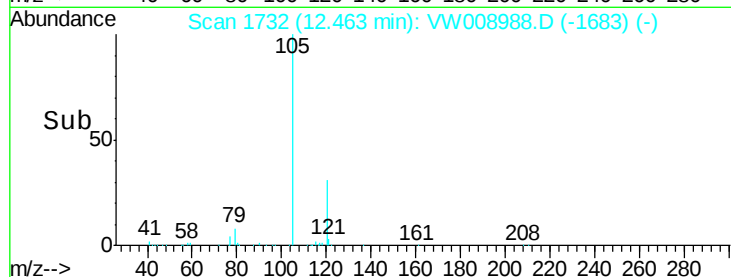
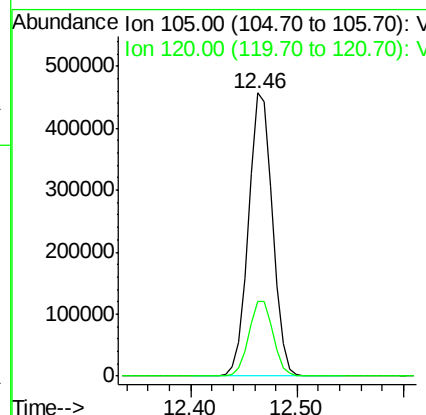
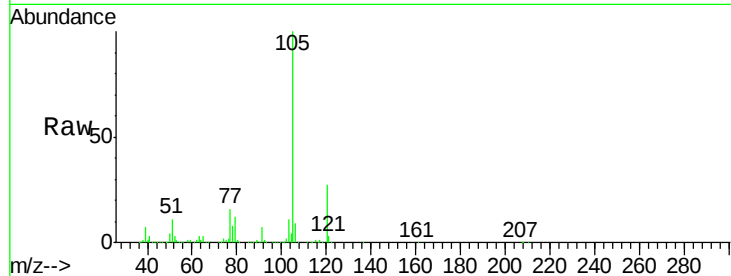
#73
Isopropylbenzene
Concen: 53.582 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

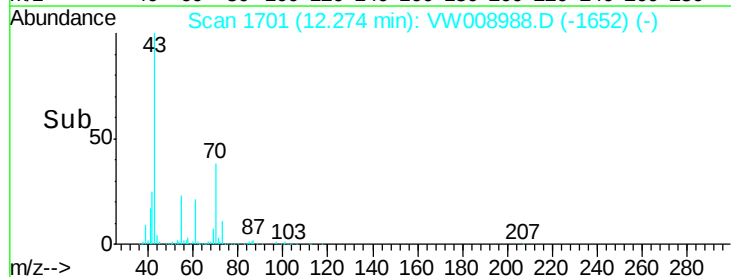
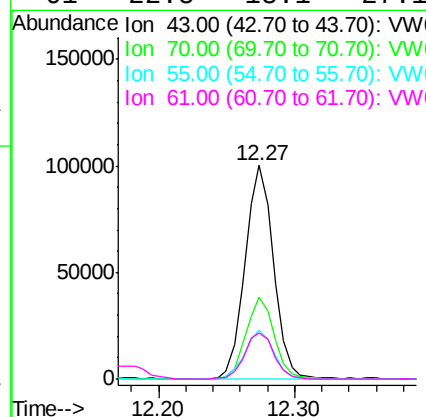
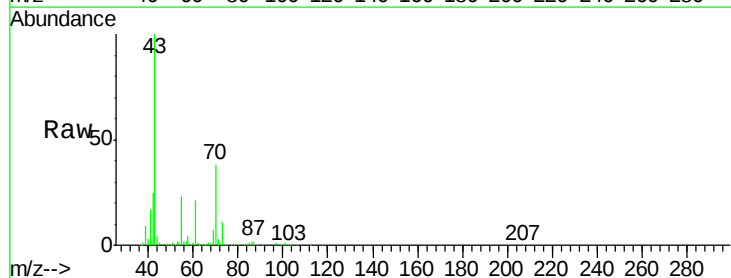
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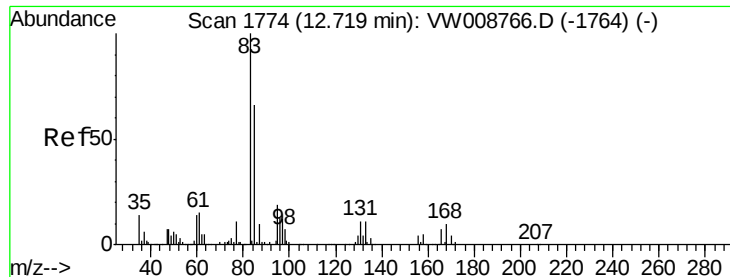
MMDadoda
3/6/2019 3:20:11 PM



#74
N-ethyl acetate
Concen: 43.063 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.0	46.6
55	23.6	18.7	28.1
61	22.5	18.1	27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 44.395 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

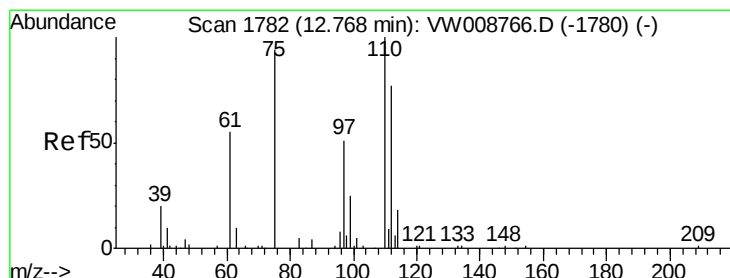
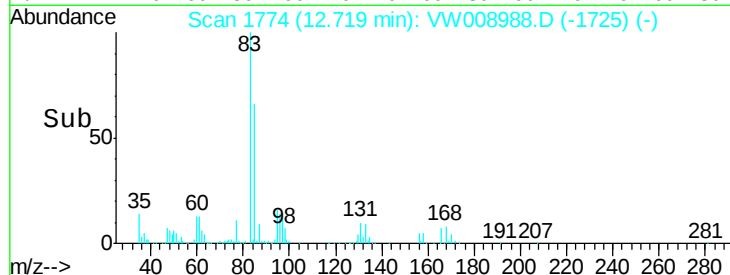
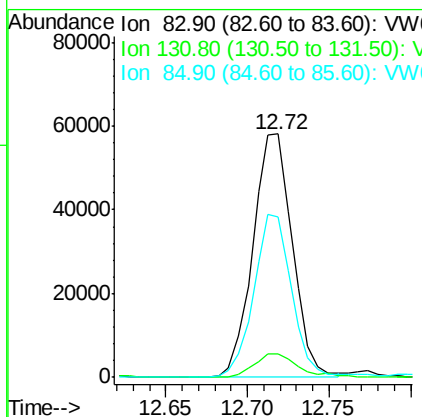
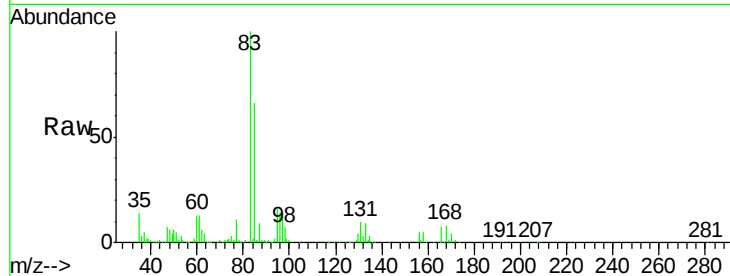
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	97861
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	63.9	33.0	98.9

Manual Integrations
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3/6/2019 3:20:11 PM



#76

1,2,3-Trichloropropane

Concen: 43.403 ug/l m

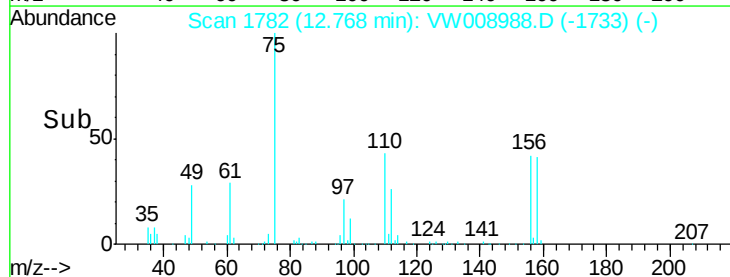
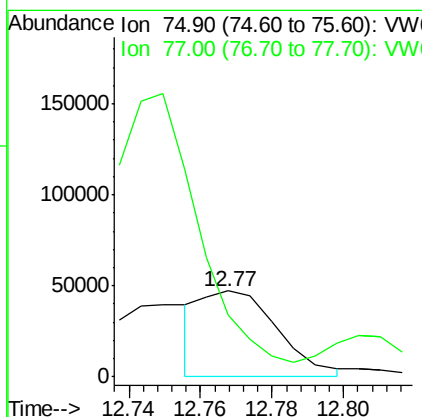
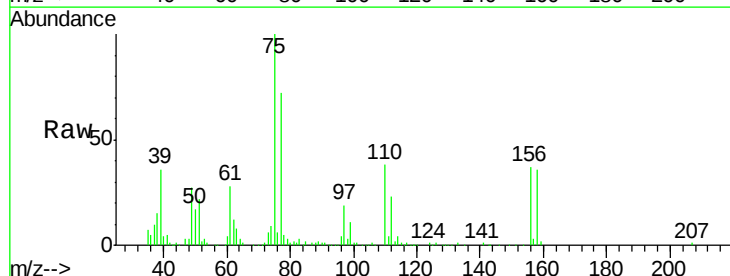
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	75	Resp:	70520
Ion Ratio	Lower	Upper	
75	100		
77	399.2	0.0	0.0#





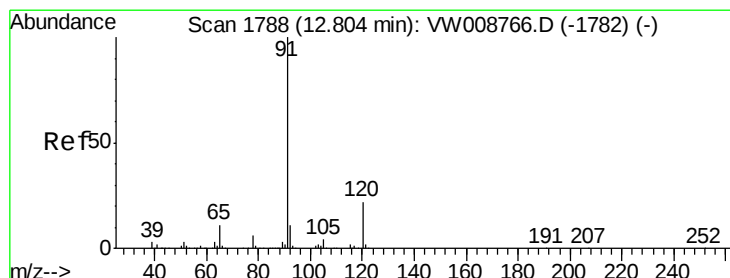
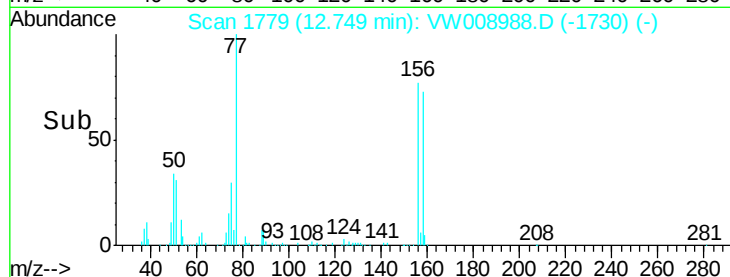
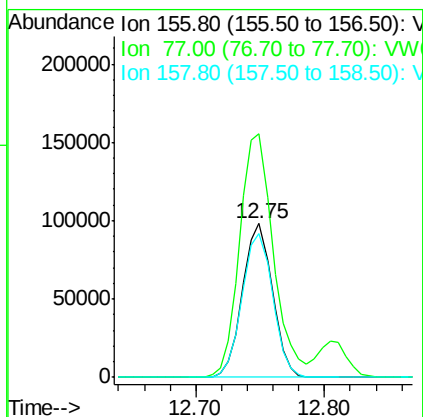
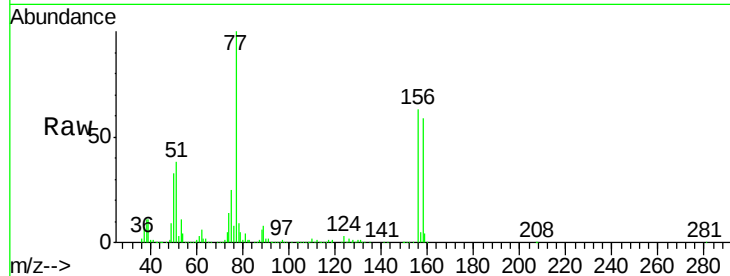
#77
Bromobenzene
Concen: 49.534 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.3	89.1	267.4
158	96.1	49.2	147.6

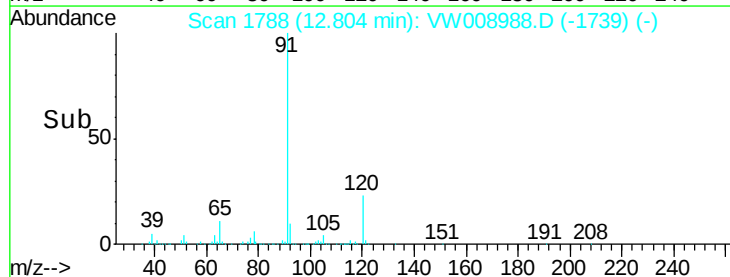
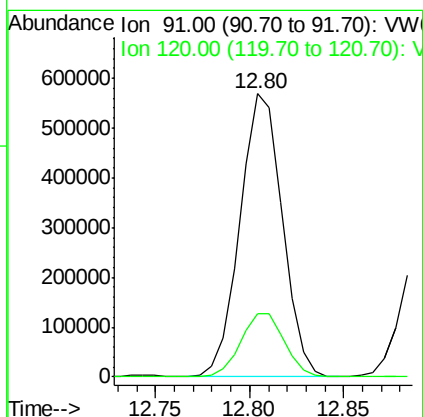
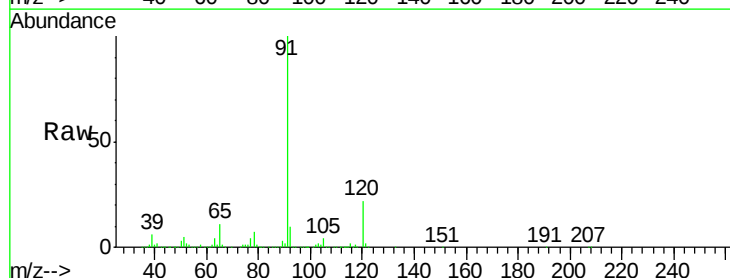
Manual Integrations
APPROVED

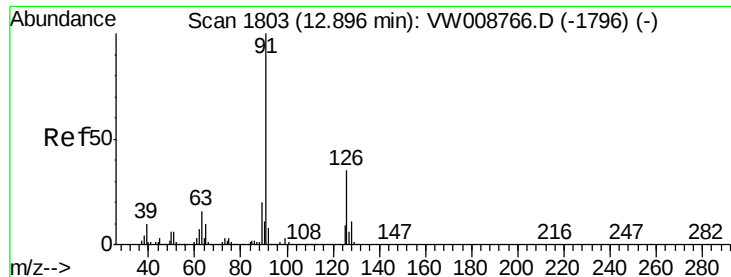
MMDadoda
3/6/2019 3:20:11 PM



#78
n-propylbenzene
Concen: 53.754 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.4





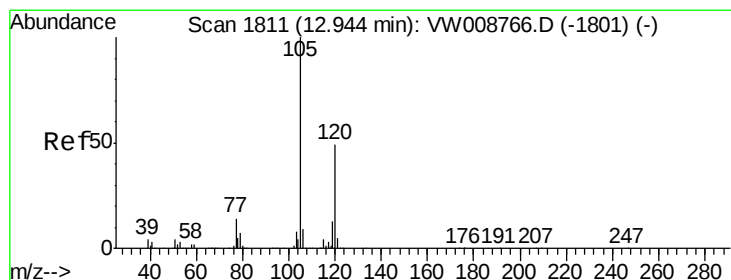
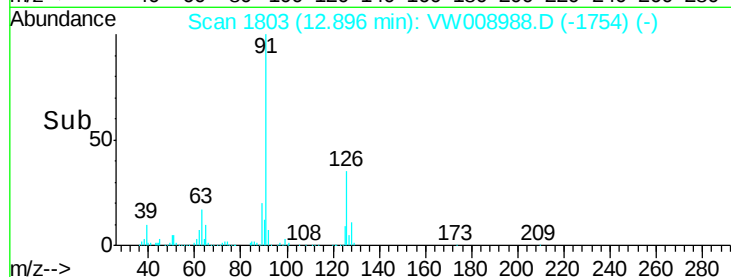
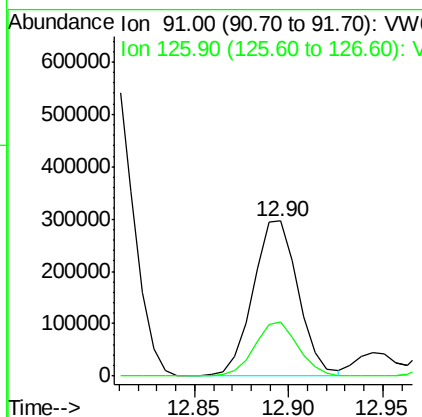
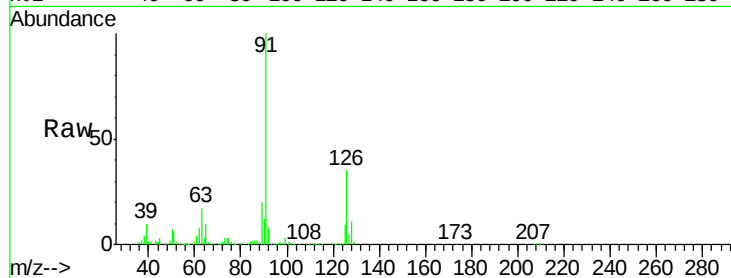
#79
2-Chlorotoluene
Concen: 52.439 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	51.0

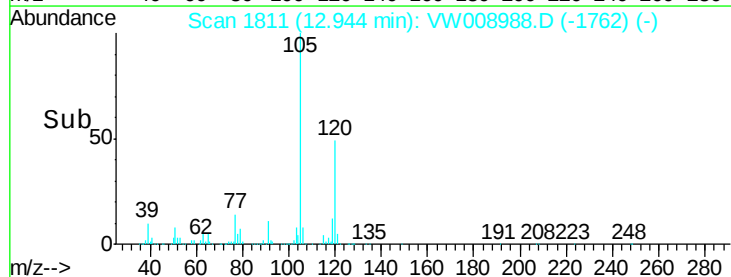
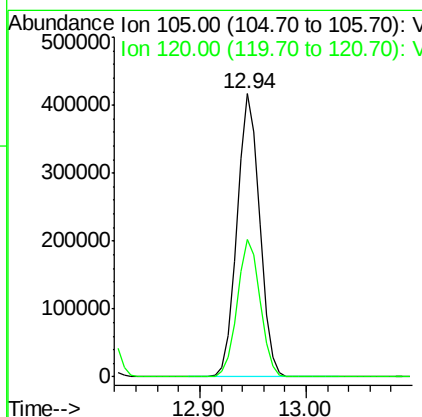
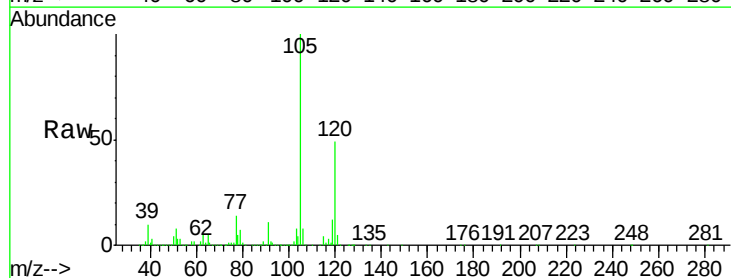
Manual Integrations
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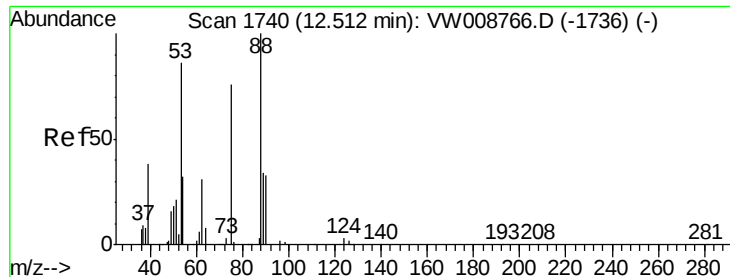
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 53.215 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.8	74.4





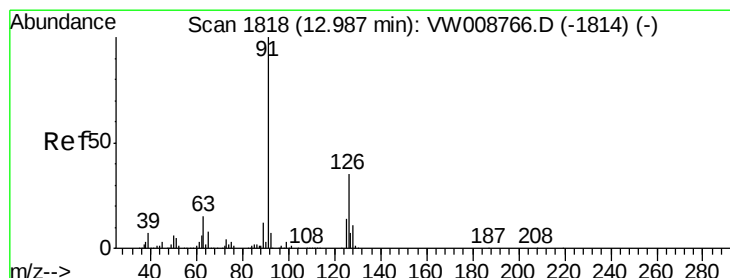
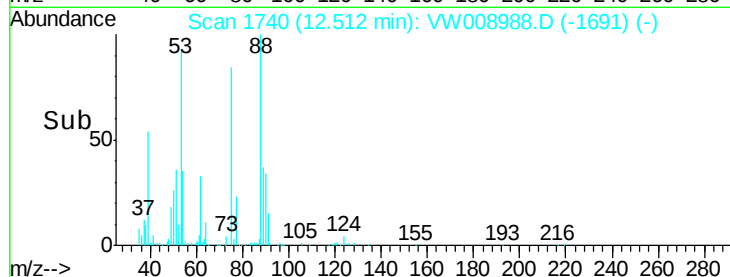
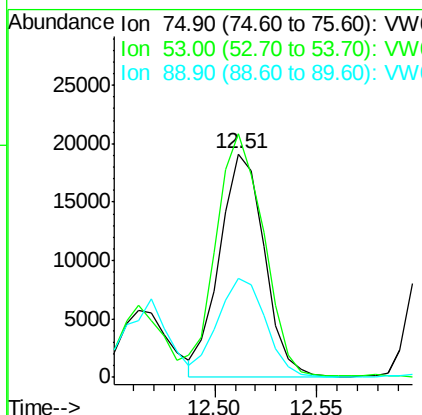
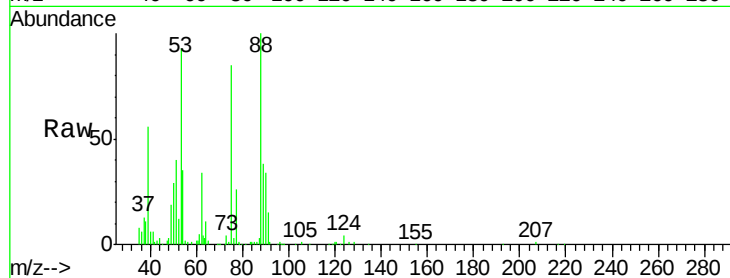
#81
trans-1,4-Dichloro-2-butene
Concen: 43.702 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.7	88.2	132.2
89	47.5	39.5	59.3

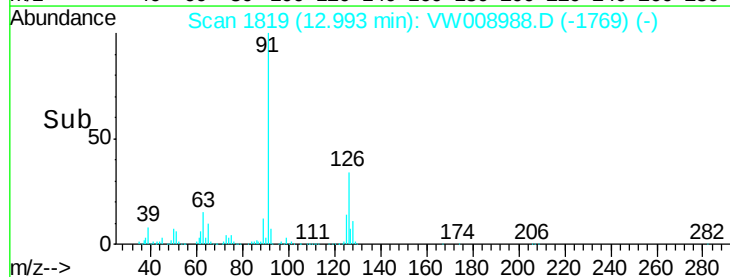
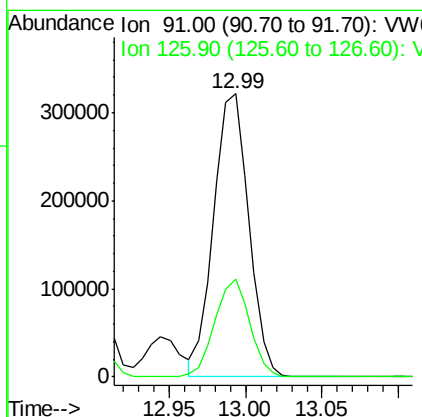
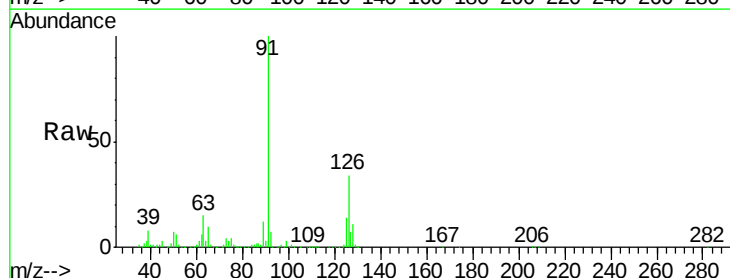
Manual Integrations
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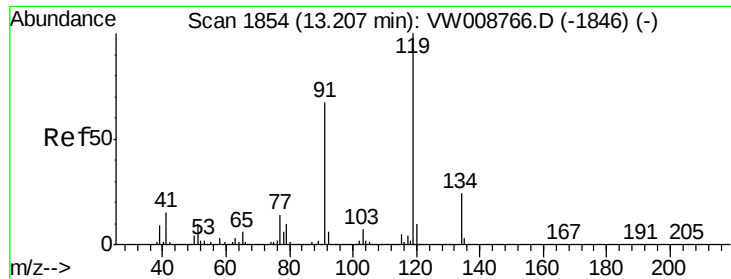
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.952 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.2	51.6





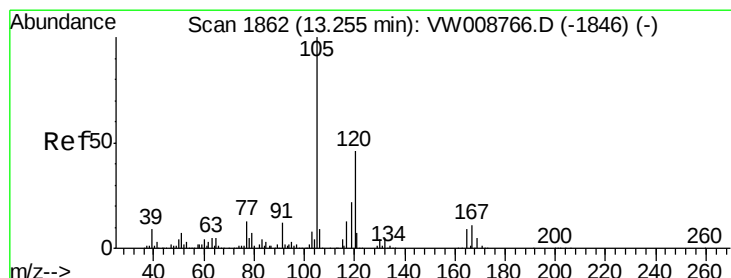
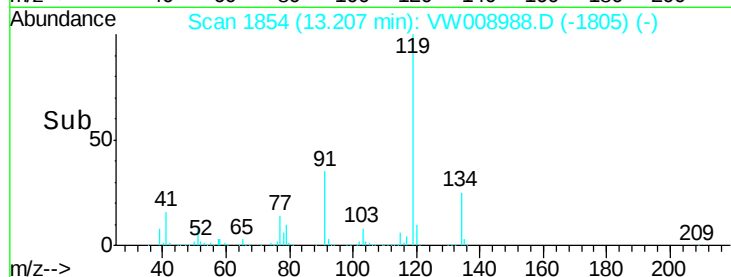
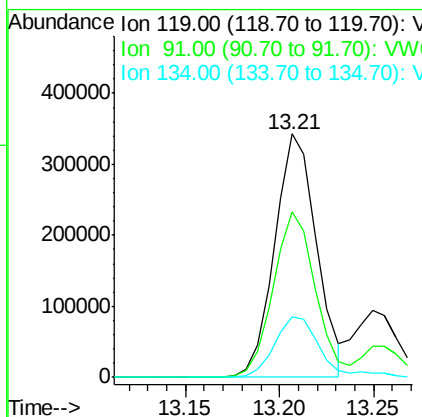
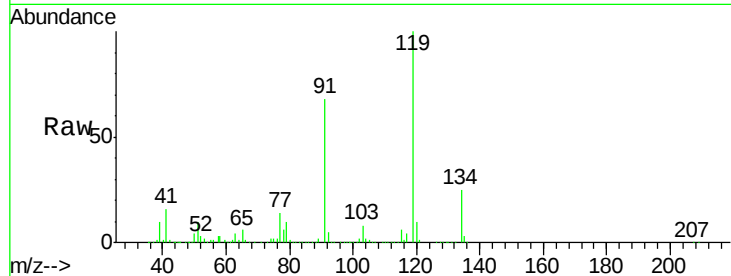
#83
tert-Butylbenzene
Concen: 52.054 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.6	100.8
134	27.5	13.7	41.1

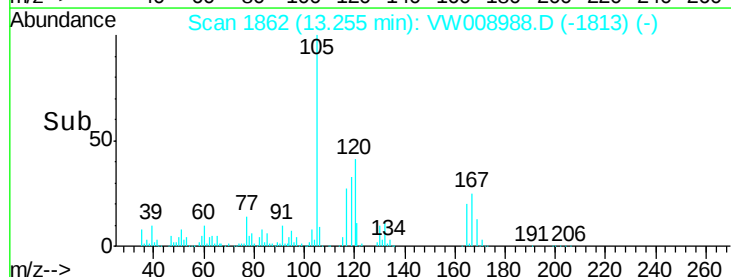
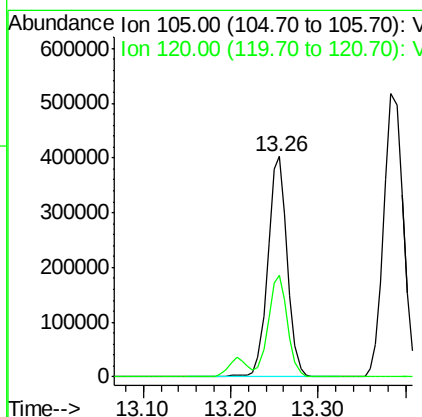
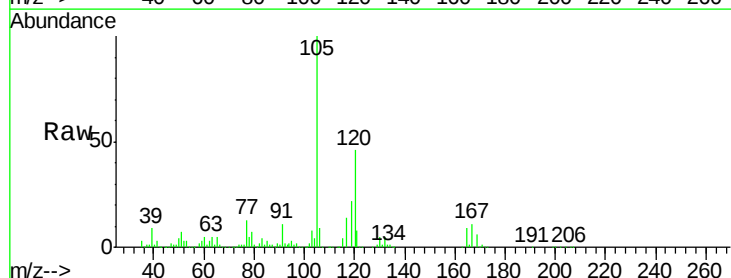
Manual Integrations
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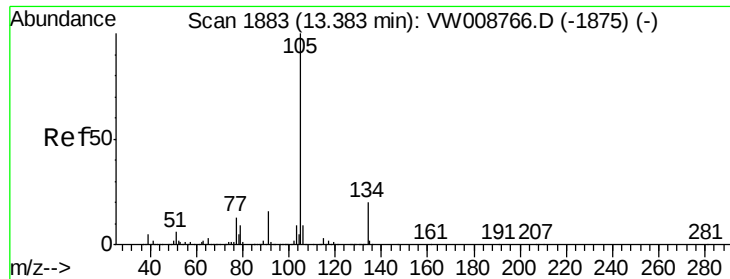
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.597 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 54.429 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 793368

Ion Ratio Lower Upper

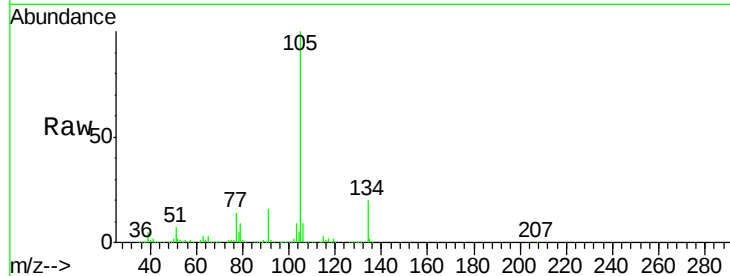
105 100

134 20.1 10.4 31.1

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

Ion 134.00 (133.70 to 134.70): V

13.38

600000

500000

400000

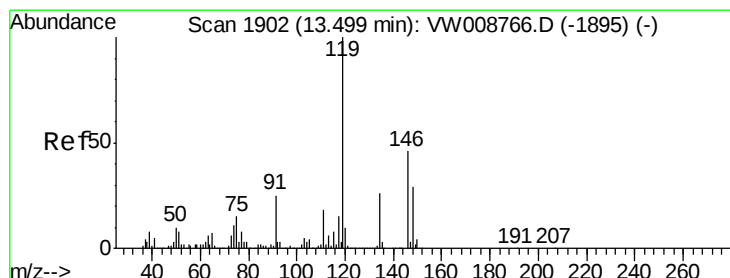
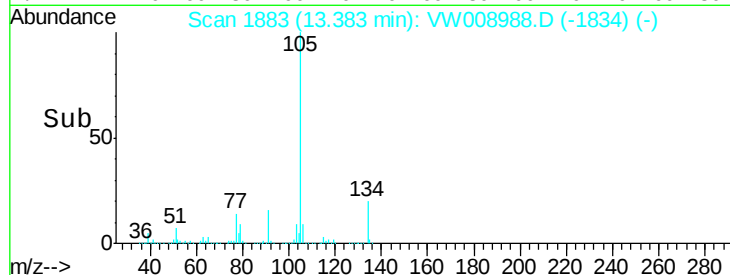
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 52.687 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

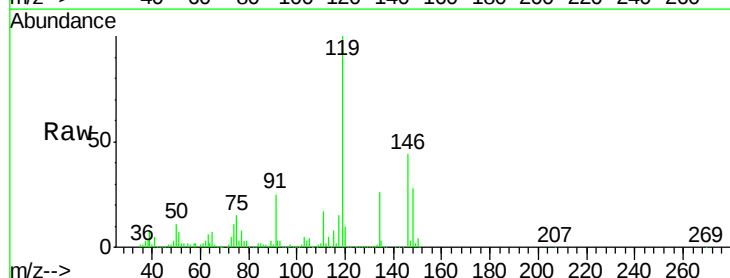
Tgt Ion:119 Resp: 704024

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

600000

500000

400000

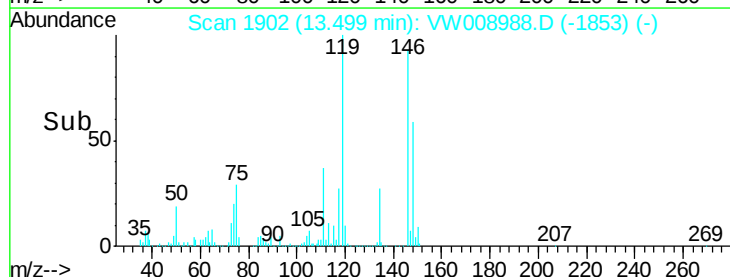
300000

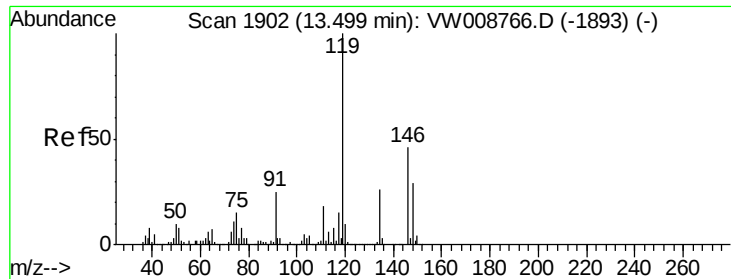
200000

100000

0

Time--> 13.40 13.50





#87

1,3-Dichlorobenzene

Concen: 50.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

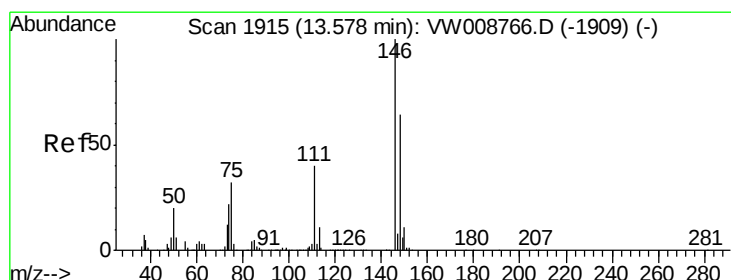
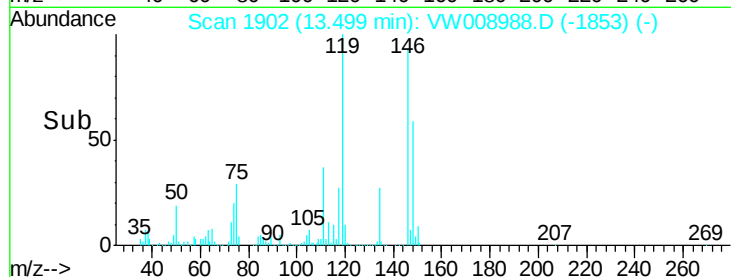
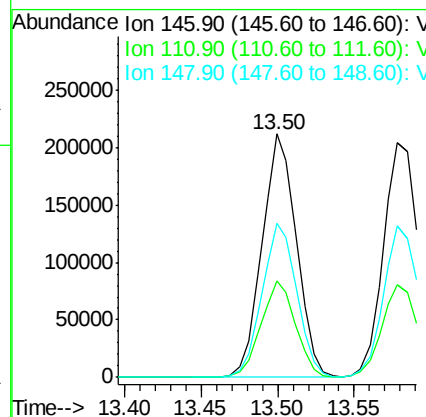
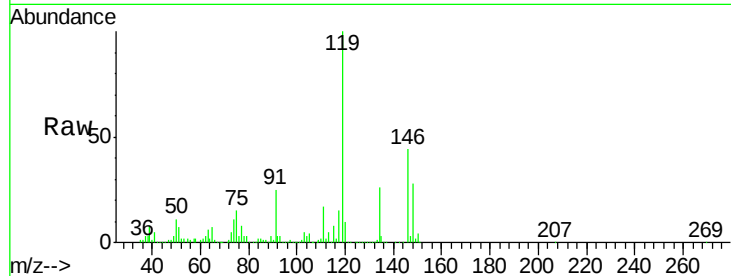
Instrument :
MSVOA_W

ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	331837		
111	39.7	19.9	59.7	
148	63.9	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 50.107 ug/l

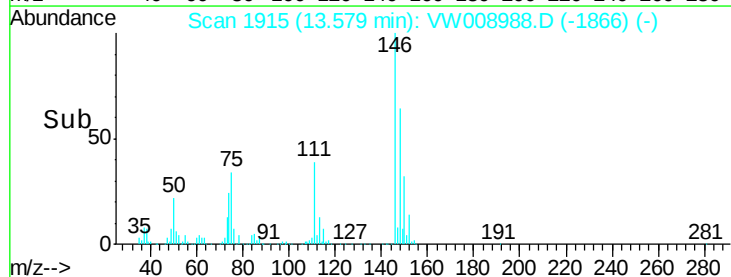
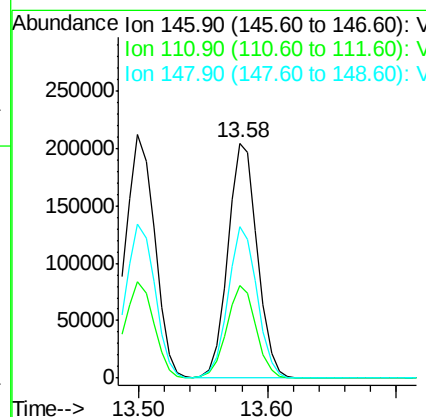
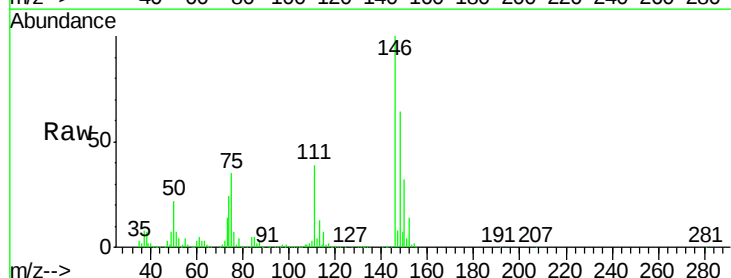
RT: 13.58 min Scan# 1915

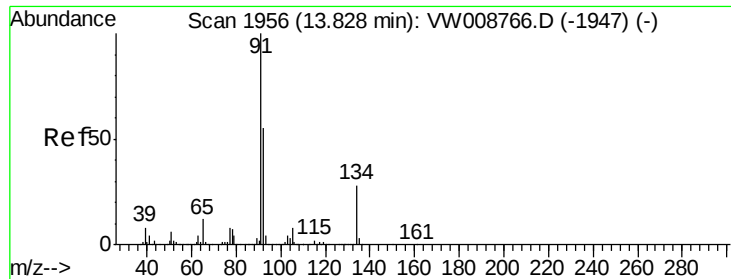
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	326645		
111	39.8	19.3	57.9	
148	63.6	31.9	95.9	





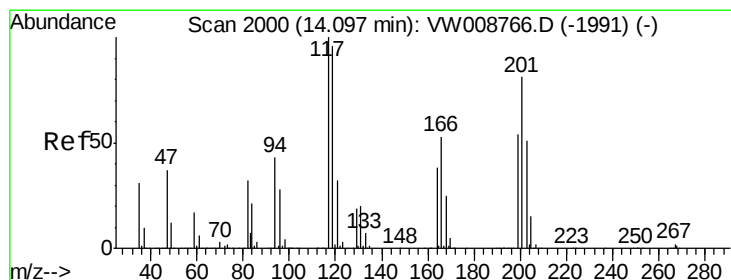
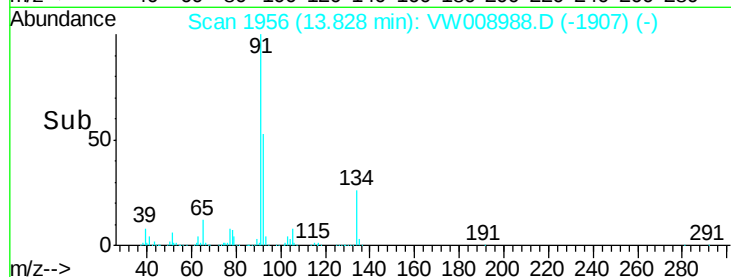
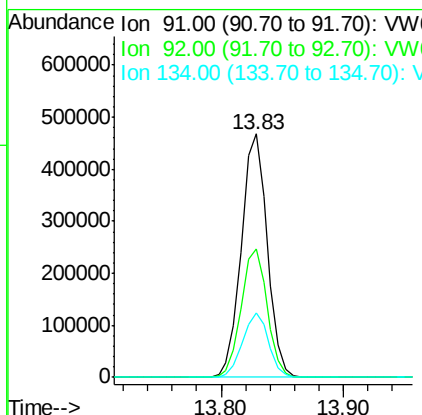
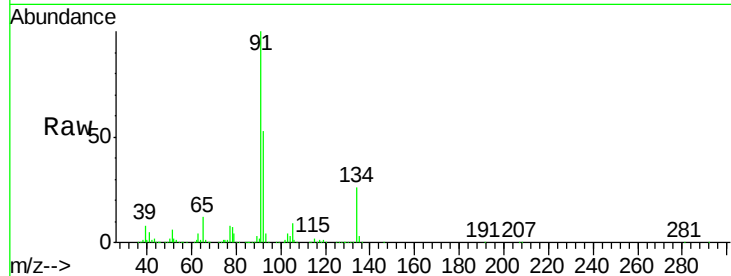
#89
n-Butylbenzene
Concen: 54.736 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	26.4	13.5	40.4

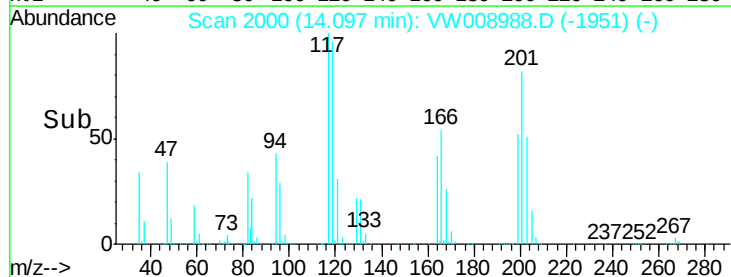
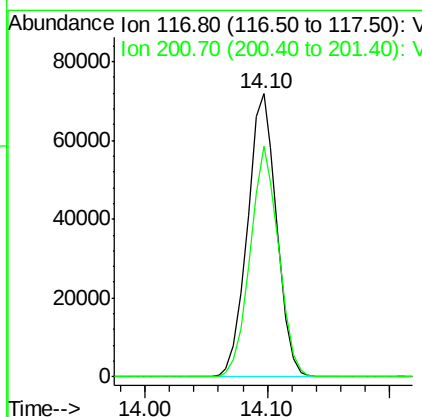
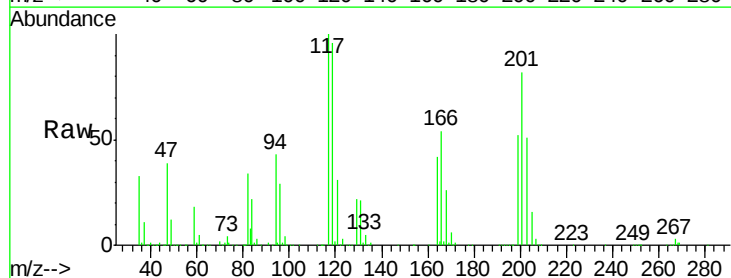
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#90
Hexachloroethane
Concen: 54.398 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	40.3	120.8





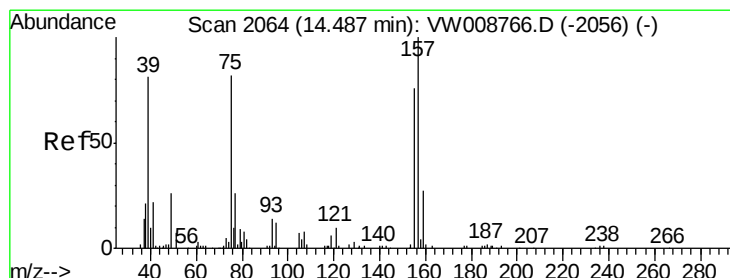
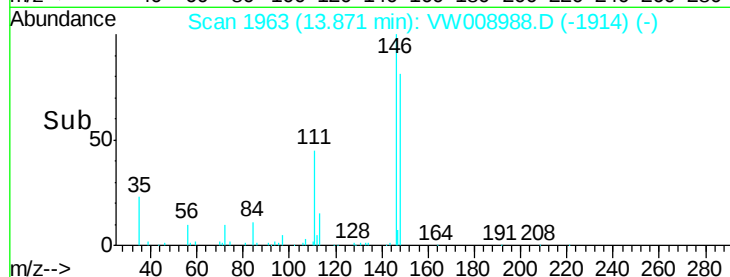
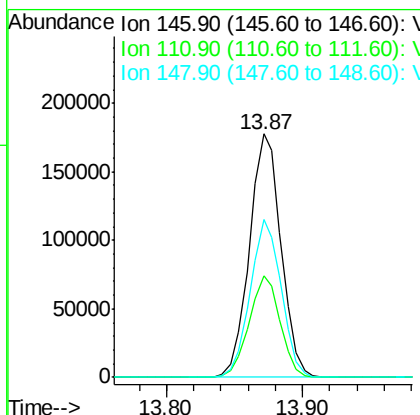
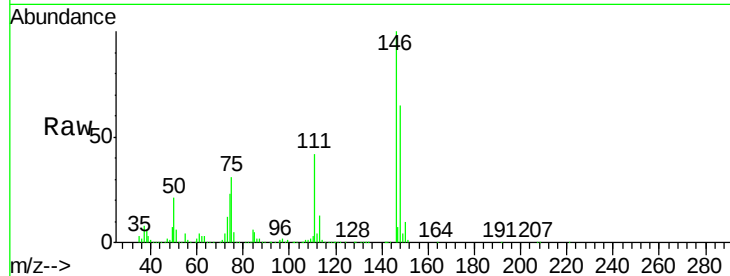
#91
 1,2-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	64.0	32.5	97.5

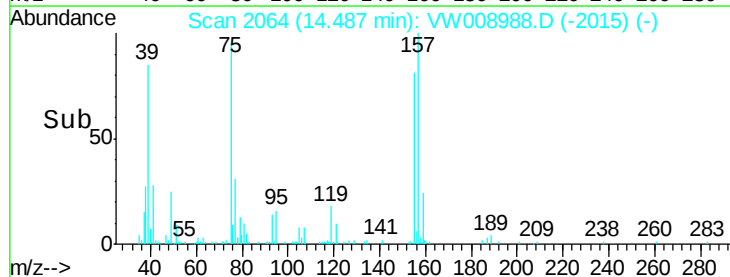
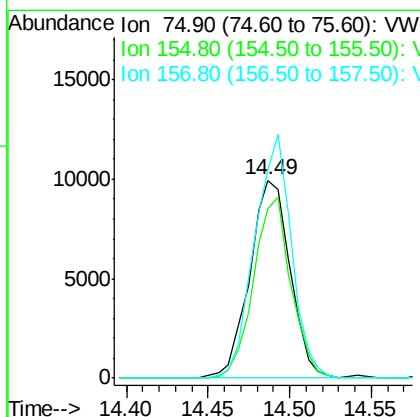
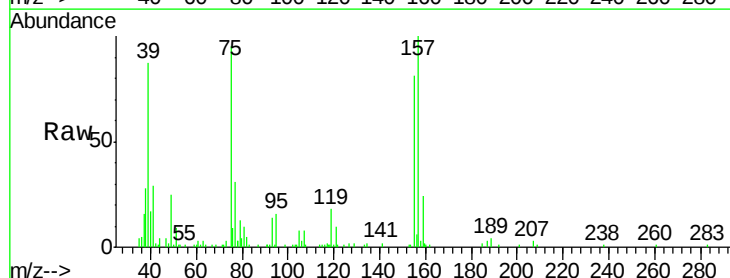
Manual Integrations
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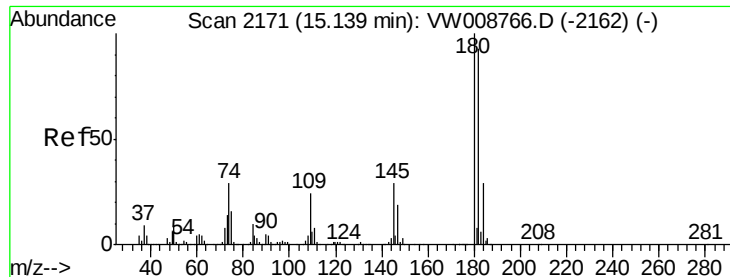
MMDadoda
 3/6/2019 3:20:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.891 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	41.8	125.4
157	111.5	56.6	169.9





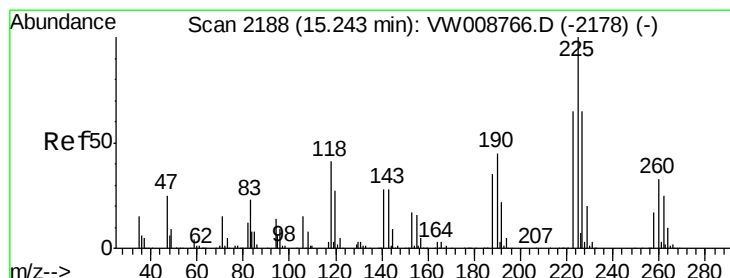
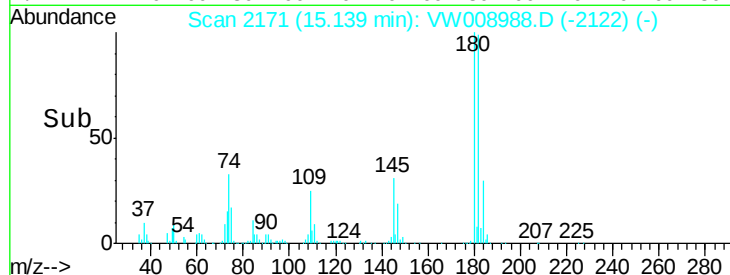
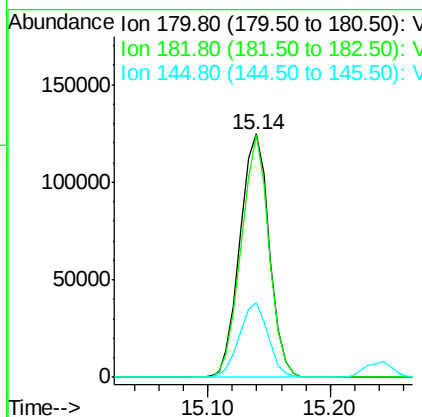
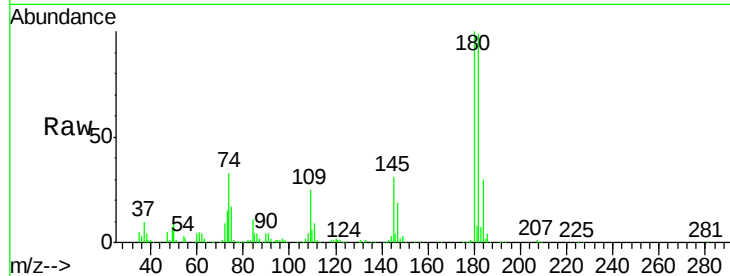
#93
 1,2,4-Trichlorobenzene
 Concen: 48.756 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207036		
182	94.4	47.2	141.6	
145	30.1	14.4	43.0	

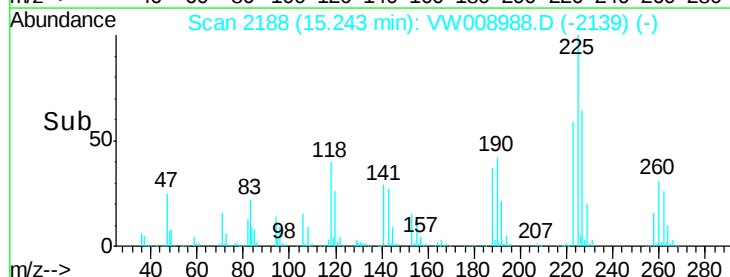
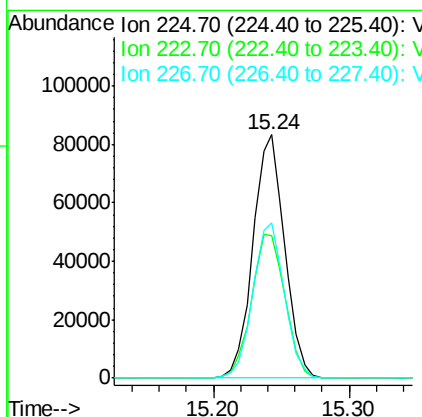
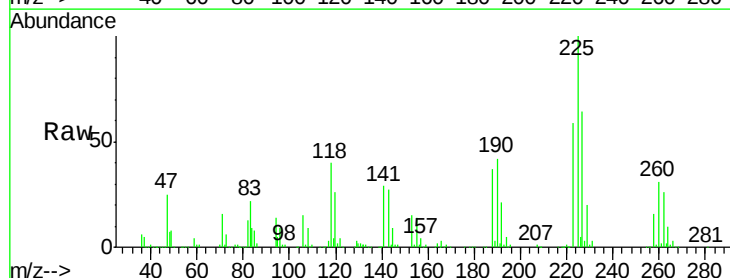
Manual Integrations
 APPROVED

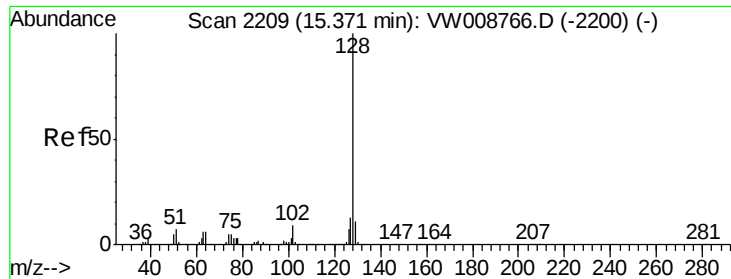
MMDadoda
 3/6/2019 3:20:11 PM



#94
 Hexachlorobutadiene
 Concen: 54.405 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136080		
223	62.3	31.5	94.5	
227	63.6	31.6	94.8	





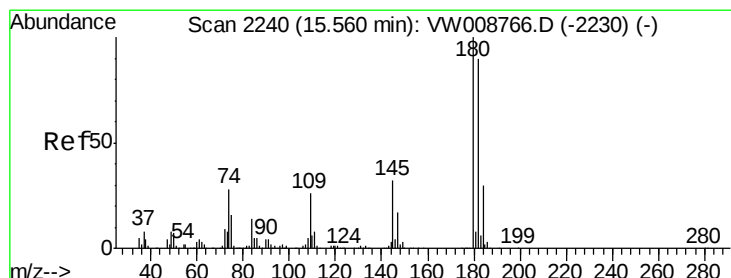
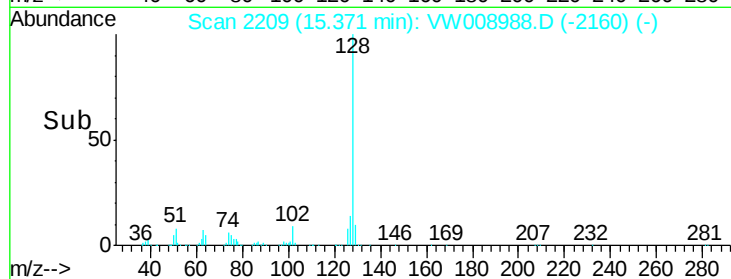
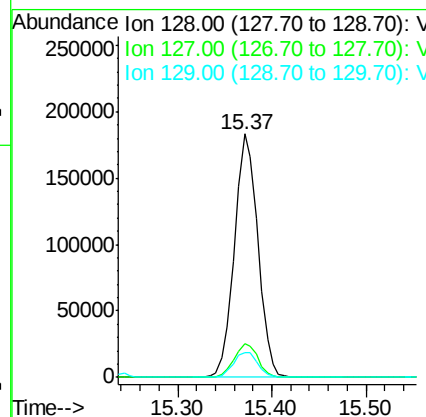
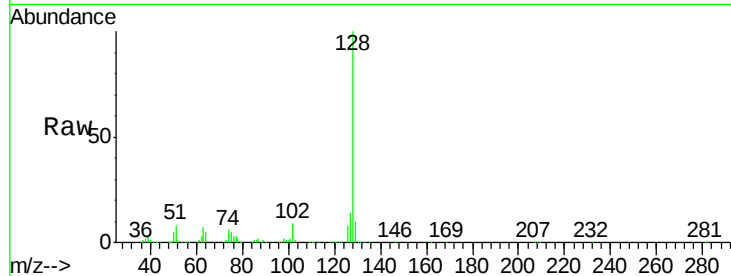
#95
Naphthalene
Concen: 43.780 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	316528		
127	14.0		10.8	16.2
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/6/2019 3:20:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.955 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	176069		
182	94.2		46.9	140.8
145	31.6		15.9	47.6

