

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010456.D
 Acq On : 20 May 2019 19:14
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:29:06 AM

Quant Time: May 21 06:59:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	138301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	243270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	75929	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.88	113	77403	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.32	98	297156	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.62	95	113824	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	68902	55.955	ug/l	100
3) Chloromethane	2.21	50	80517	55.411	ug/l	96
4) Vinyl Chloride	2.35	62	91607	54.426	ug/l	99
5) Bromomethane	2.75	94	64979	56.117	ug/l	96
6) Chloroethane	2.91	64	60752	56.227	ug/l	100
7) Trichlorofluoromethane	3.25	101	135059	54.351	ug/l	96
8) Diethyl Ether	3.68	74	42434	53.870	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	82140	53.675	ug/l	100
10) Methyl Iodide	4.26	142	95279	54.471	ug/l	99
11) Tert butyl alcohol	5.17	59	32557	253.554	ug/l	99
12) 1,1-Dichloroethene	4.03	96	78632	53.827	ug/l	99
13) Acrolein	3.90	56	17800	236.722	ug/l	96
14) Allyl chloride	4.67	41	116473	55.082	ug/l	99
15) Acrylonitrile	5.37	53	88169	267.266	ug/l	99
16) Acetone	4.12	43	75501	259.111	ug/l	96
17) Carbon Disulfide	4.37	76	245622	56.371	ug/l	100
18) Methyl Acetate	4.67	43	36235	50.846	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	204709	54.969	ug/l	97
20) Methylene Chloride	4.92	84	87086	51.042	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	91828	54.803	ug/l	97
22) Diisopropyl ether	6.31	45	234802	54.154	ug/l	99
23) Vinyl Acetate	6.26	43	714360	275.820	ug/l	98
24) 1,1-Dichloroethane	6.21	63	144554	55.868	ug/l	99
25) 2-Butanone	7.17	43	111506	267.401	ug/l	99
26) 2,2-Dichloropropane	7.17	77	131895	53.515	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	100875	55.375	ug/l	100
28) Bromochloromethane	7.51	49	51926	56.053	ug/l	98
29) Tetrahydrofuran	7.52	42	73748	261.357	ug/l	100
30) Chloroform	7.68	83	154193	55.249	ug/l	100
31) Cyclohexane	7.95	56	138974	51.276	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	146631	54.970	ug/l	99
36) 1,1-Dichloropropene	8.09	75	121778	53.737	ug/l	100
37) Ethyl Acetate	7.26	43	49346	51.205	ug/l	97
38) Carbon Tetrachloride	8.07	117	132534	54.214	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	165385	54.472	ug/l	99
40) Benzene	8.32	78	344081	54.627	ug/l	99
41) Methacrylonitrile	7.48	41	28635	50.009	ug/l	99
42) 1,2-Dichloroethane	8.40	62	97661	54.249	ug/l	100
43) Isopropyl Acetate	8.42	43	101334	52.635	ug/l	99
44) Trichloroethene	9.09	130	100192	53.580	ug/l	98
45) 1,2-Dichloropropane	9.37	63	82685	55.273	ug/l	99
46) Dibromomethane	9.46	93	47126	53.867	ug/l	99
47) Bromodichloromethane	9.65	83	120581	54.847	ug/l	100
48) Methyl methacrylate	9.43	41	45661	51.842	ug/l	99
49) 1,4-Dioxane	9.45	88	15206	1064.006	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	254774	261.156	ug/l	100
52) Toluene	10.39	92	229115	54.164	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	119622	53.725	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	138442	54.443	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	68174	54.190	ug/l	97
56) Ethyl methacrylate	10.65	69	91828	52.925	ug/l	100
57) 1,3-Dichloropropane	10.93	76	114078	54.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	195070	253.829	ug/l	100
59) 2-Hexanone	10.97	43	178728	256.824	ug/l	100
60) Dibromochloromethane	11.13	129	87159	54.742	ug/l	100
61) 1,2-Dibromoethane	11.24	107	68912	54.075	ug/l	99
64) Tetrachloroethene	10.86	164	81967	54.619	ug/l	98
65) Chlorobenzene	11.66	112	250421	54.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	90488	55.056	ug/l	100
67) Ethyl Benzene	11.73	91	436589	53.897	ug/l	100
68) m/p-Xylenes	11.84	106	345761	108.823	ug/l	100
69) o-Xylene	12.16	106	164280	54.573	ug/l	99
70) Styrene	12.18	104	281323	55.079	ug/l	99
71) Bromoform	12.35	173	50297	55.572	ug/l #	99
73) Isopropylbenzene	12.46	105	442341	53.020	ug/l	100
74) N-amyl acetate	12.27	43	98927	51.745	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	77599	51.137	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	54009m	50.608	ug/l	
77) Bromobenzene	12.75	156	101373	54.297	ug/l	99
78) n-propylbenzene	12.80	91	514880	52.956	ug/l	100
79) 2-Chlorotoluene	12.90	91	296555	52.596	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	378602	53.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	25740	50.337	ug/l	97
82) 4-Chlorotoluene	12.99	91	310274	53.016	ug/l	99
83) tert-Butylbenzene	13.21	119	324763	52.617	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	374513	53.217	ug/l	100
85) sec-Butylbenzene	13.38	105	456391	52.838	ug/l	100
86) p-Isopropyltoluene	13.50	119	414878	53.066	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	195309	53.320	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	197322	53.692	ug/l	99
89) n-Butylbenzene	13.83	91	395936	53.242	ug/l	99
90) Hexachloroethane	14.10	117	82072	54.235	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	178451	53.468	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14398	51.027	ug/l	100

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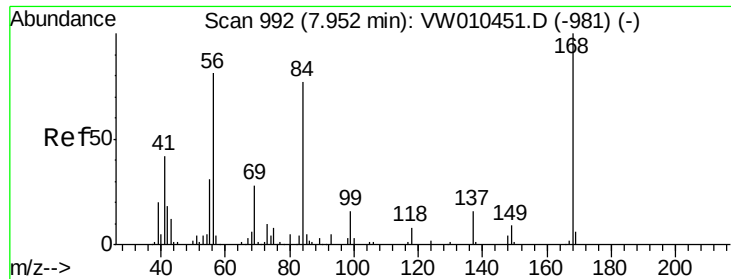
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122001	53.726	ug/l	98
94) Hexachlorobutadiene	15.24	225	66098	54.486	ug/l	99
95) Naphthalene	15.37	128	256363	53.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	105029	53.752	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 138301

Ion Ratio Lower Upper

168 100

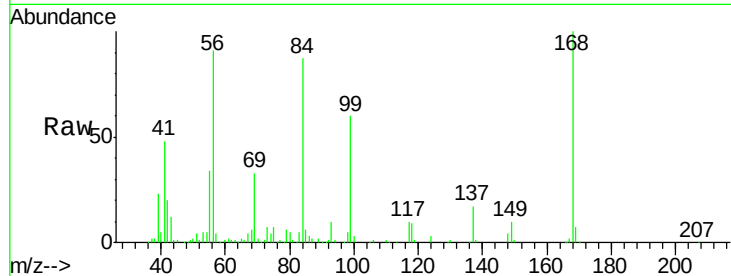
99 59.7 46.1 69.1

Manual Integrations

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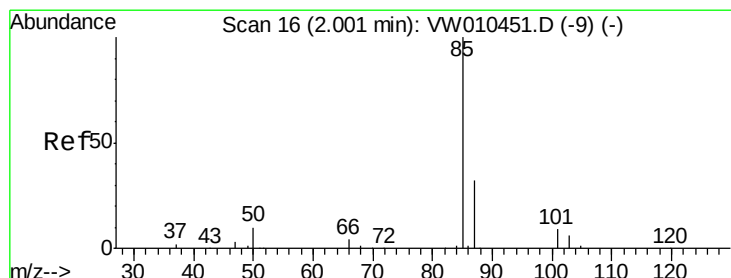
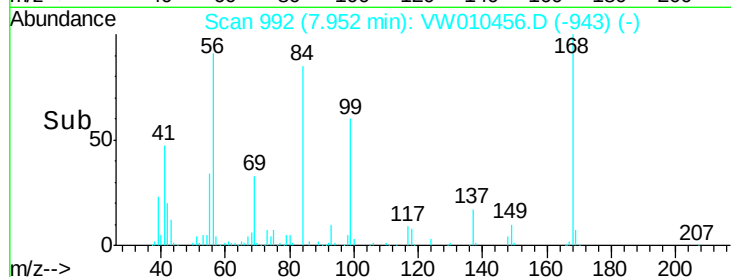
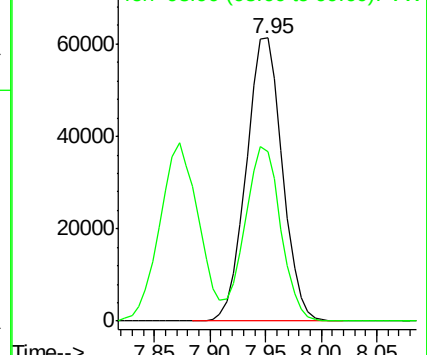
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 55.955 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010456.D

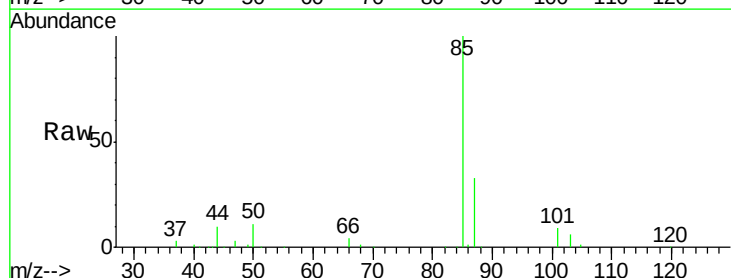
Acq: 20 May 2019 19:14

Tgt Ion: 85 Resp: 68902

Ion Ratio Lower Upper

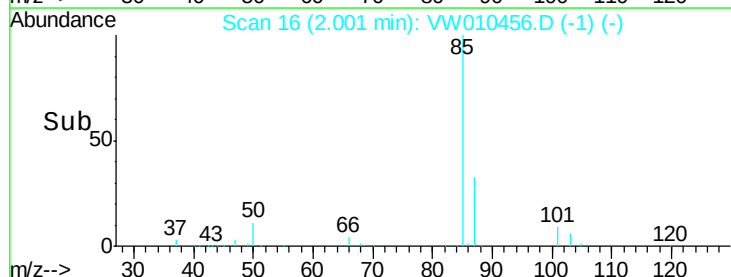
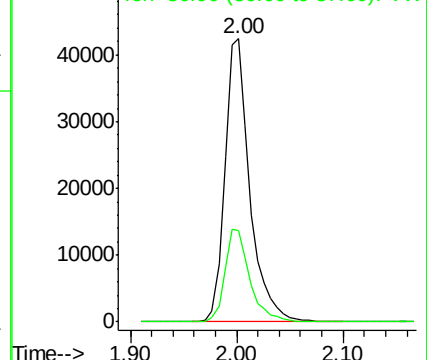
85 100

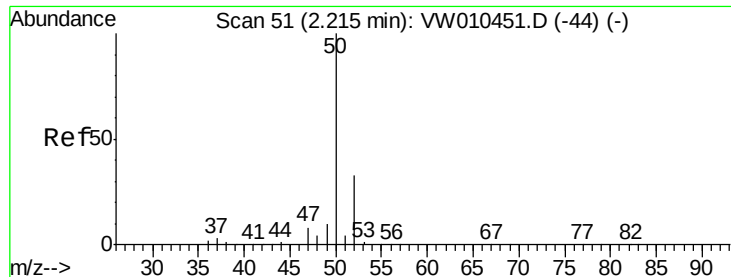
87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.411 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 80517

Ion Ratio Lower Upper

50 100

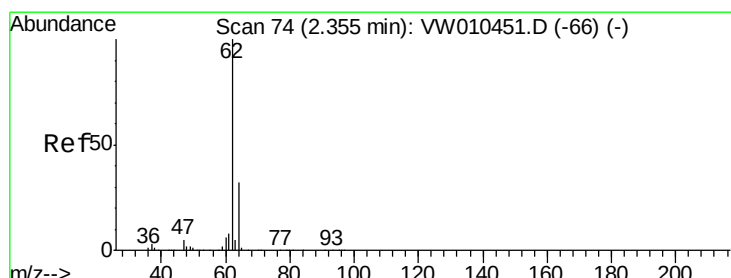
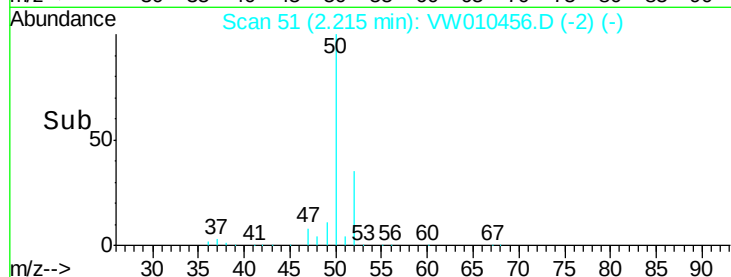
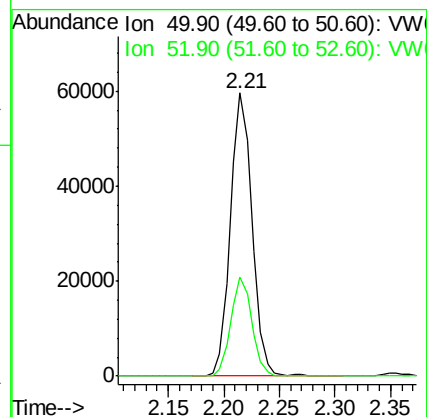
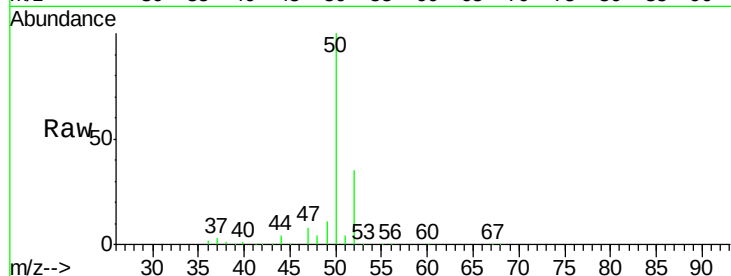
52 35.0 26.3 39.5

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#4

Vinyl Chloride

Concen: 54.426 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010456.D

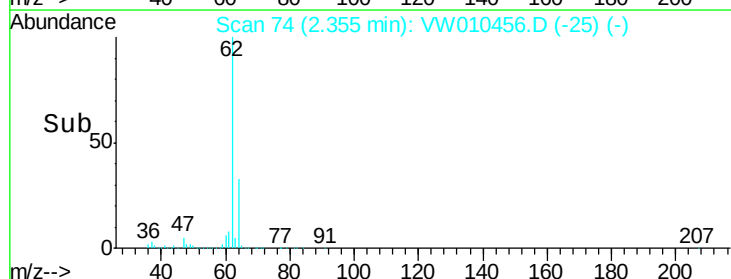
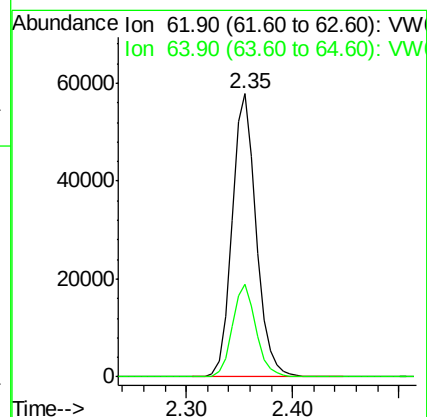
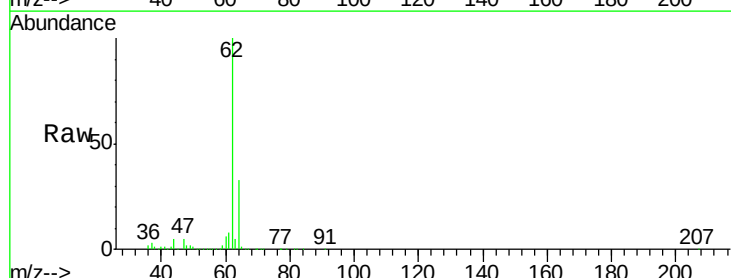
Acq: 20 May 2019 19:14

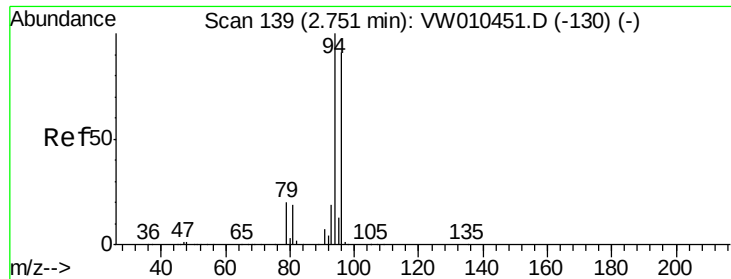
Tgt Ion: 62 Resp: 91607

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 56.117 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64979

Ion Ratio Lower Upper

94 100

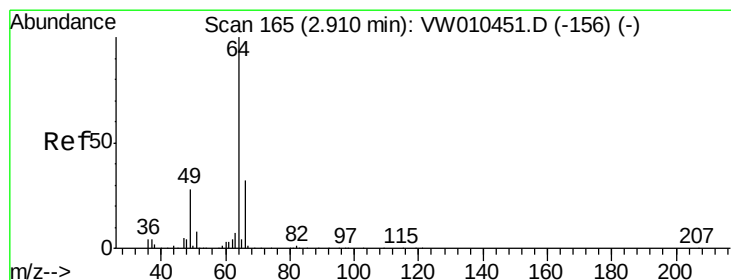
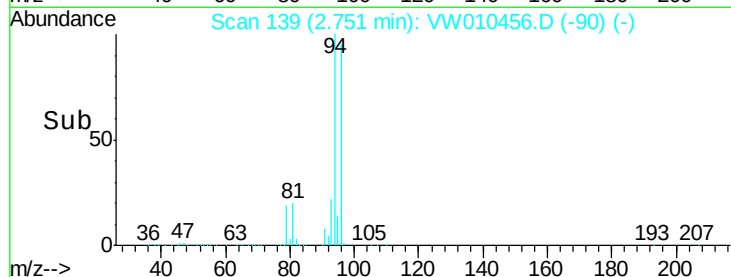
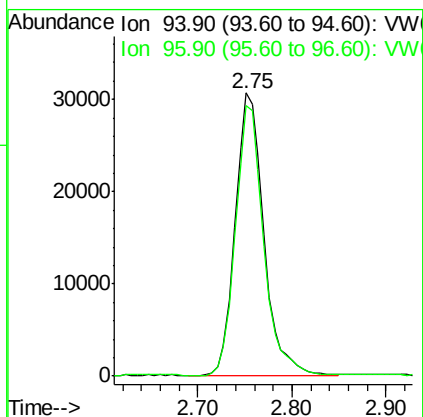
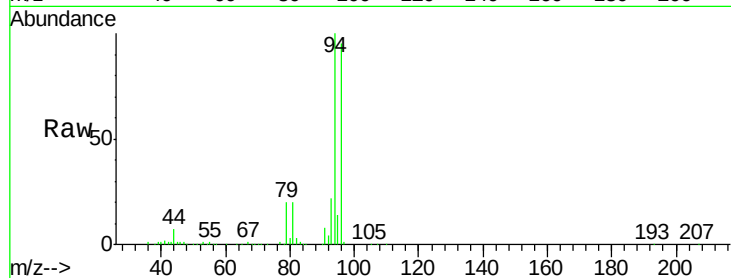
96 95.1 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 56.227 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010456.D

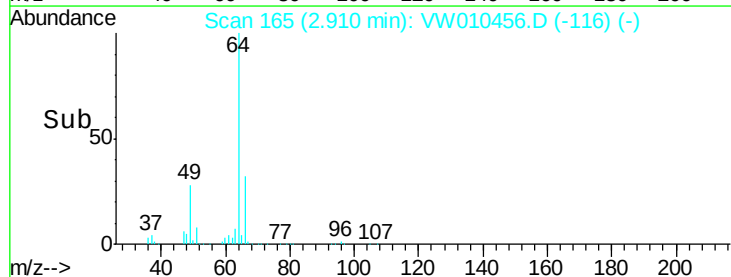
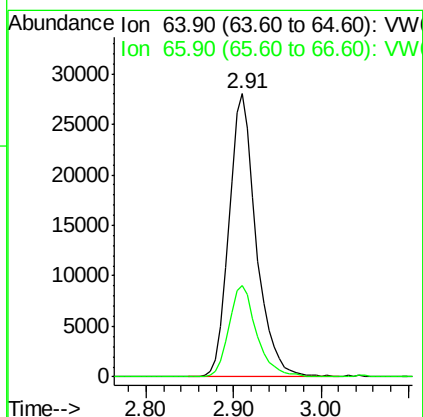
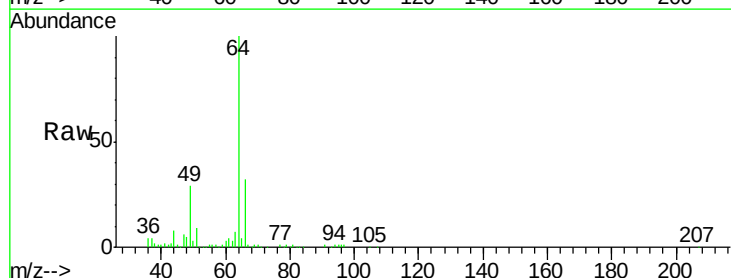
Acq: 20 May 2019 19:14

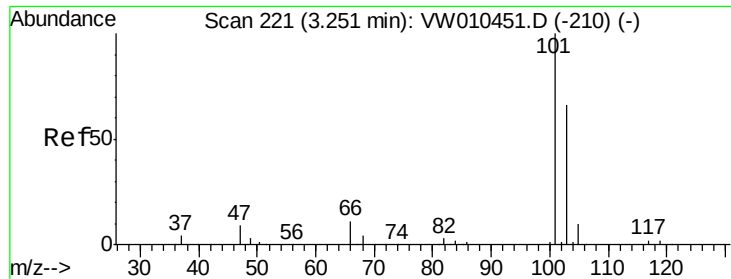
Tgt Ion: 64 Resp: 60752

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

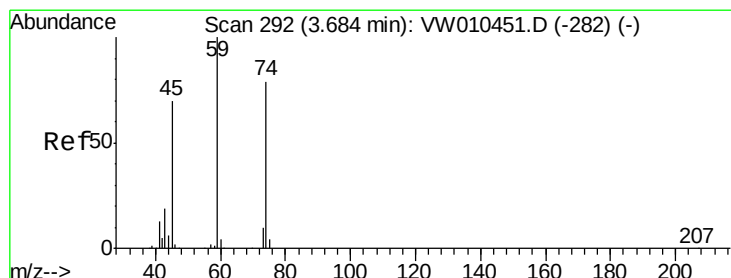
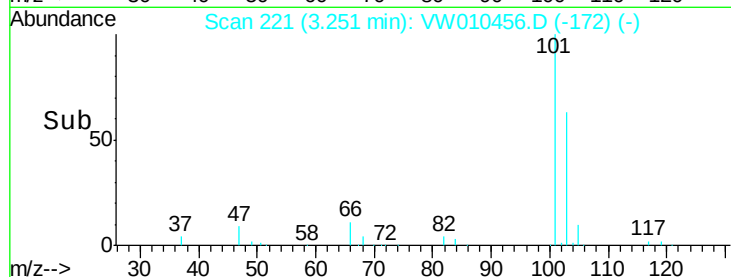
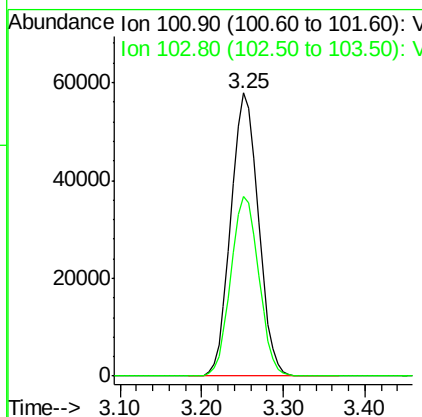
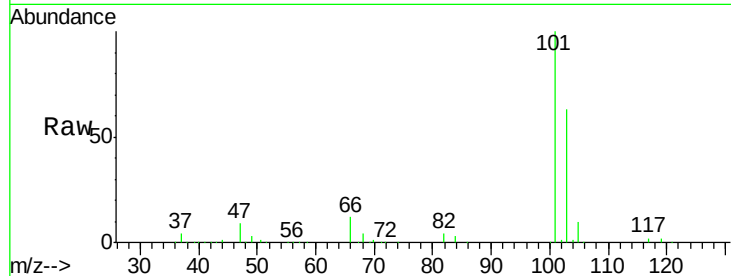
Trichlorofluoromethane
 Concen: 54.351 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.4

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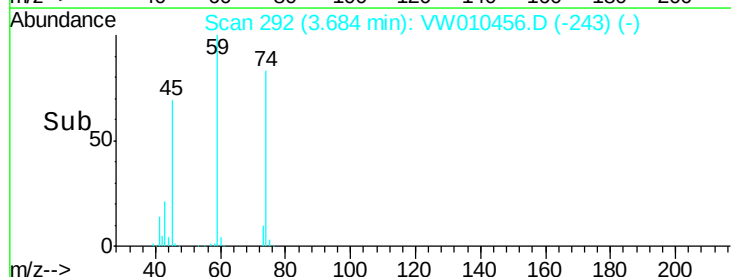
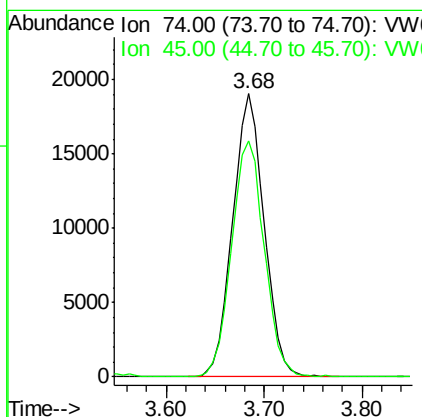
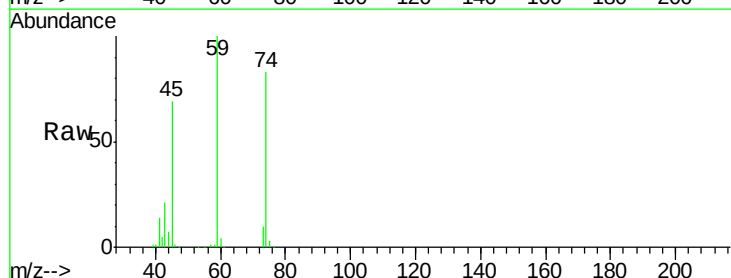
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 5/21/2019 11:29:06 AM

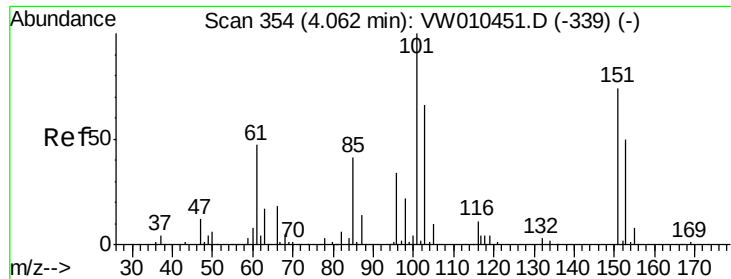


#8

Diethyl Ether
 Concen: 53.870 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.0	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.675 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010456.D

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Instrument :

MSVOA_W

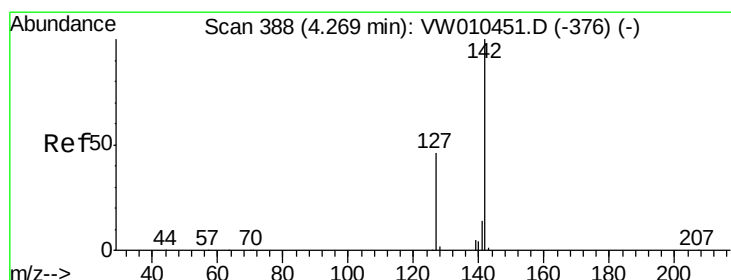
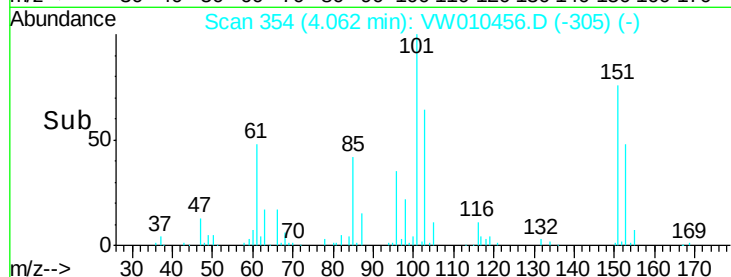
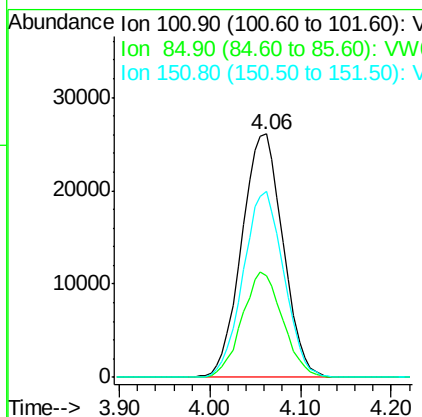
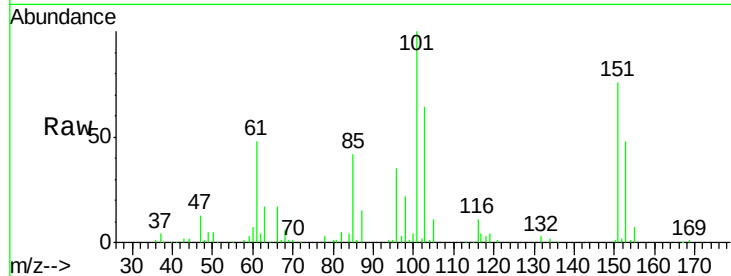
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	82140
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.3	51.5
151	75.4	60.3	90.5

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#10

Methyl Iodide

Concen: 54.471 ug/l

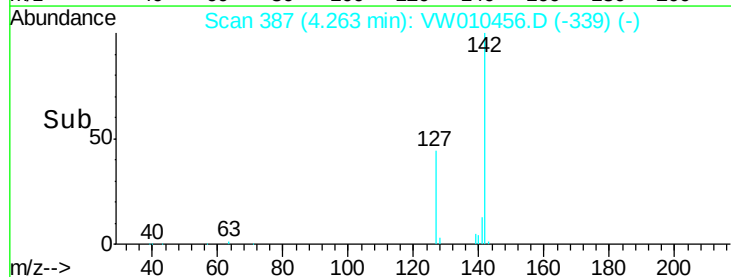
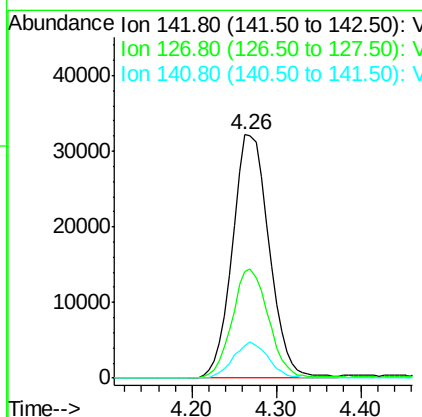
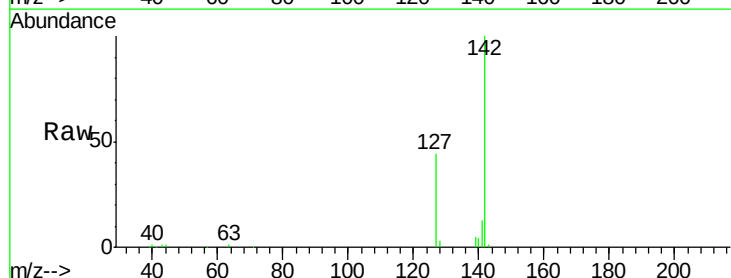
RT: 4.26 min Scan# 387

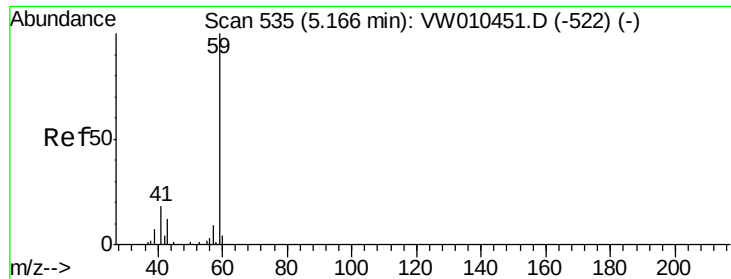
Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion:	142	Resp:	95279
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.1	54.1
141	14.0	11.3	16.9





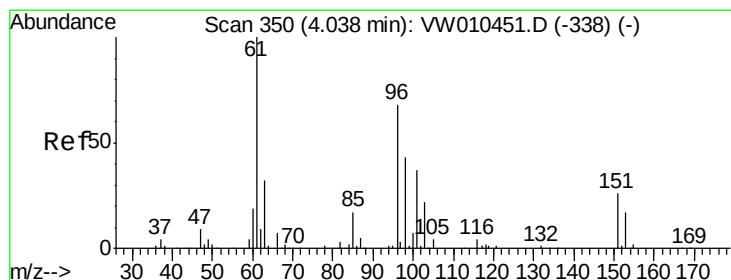
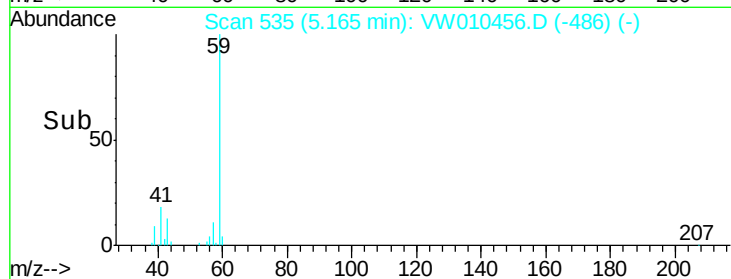
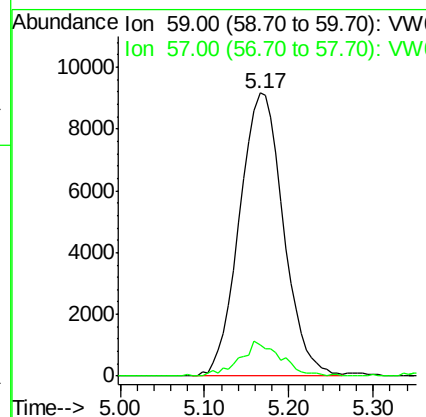
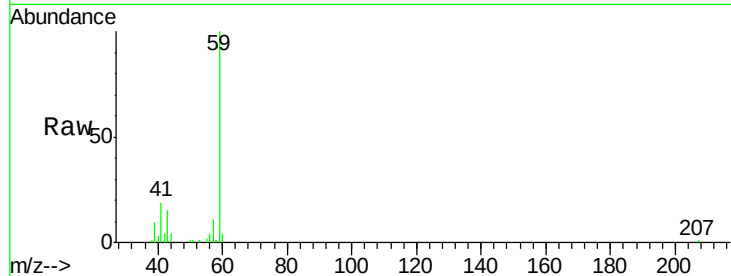
#11
Tert butyl alcohol
Concen: 253.554 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

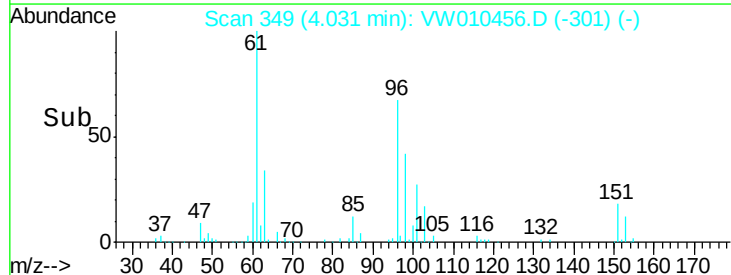
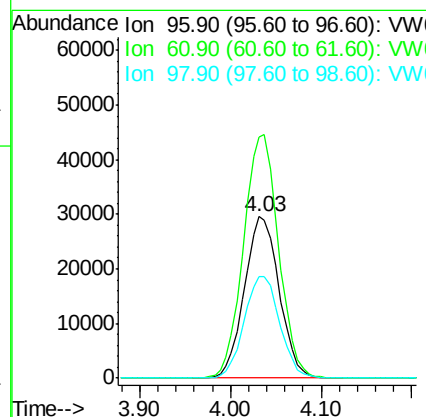
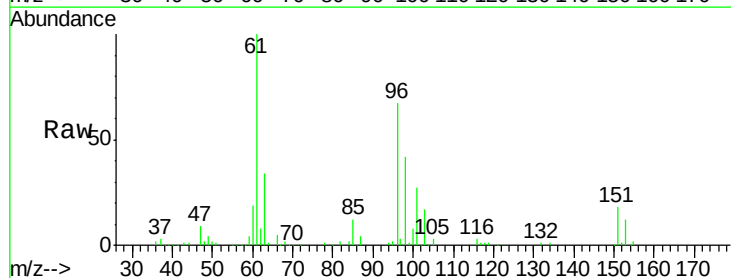
Manual Integrations
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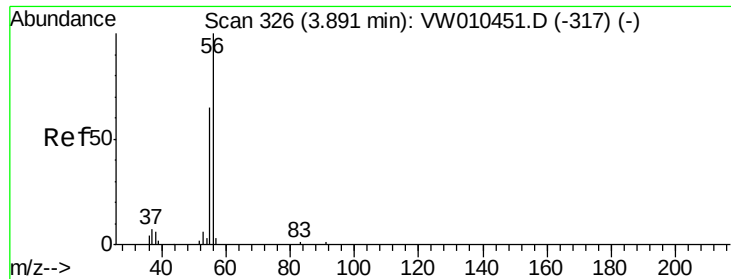
MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.827 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	118.3	177.5
98	63.0	51.0	76.6





#13

Acrolein

Concen: 236.722 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 17800

Ion Ratio Lower Upper

56 100

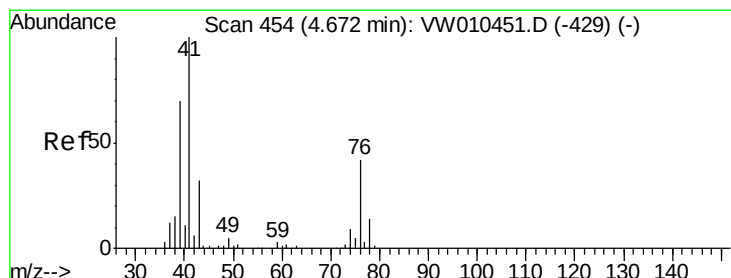
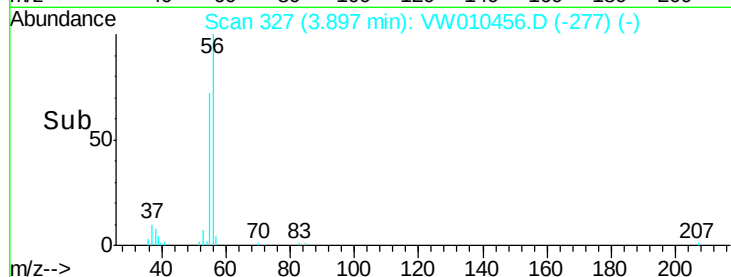
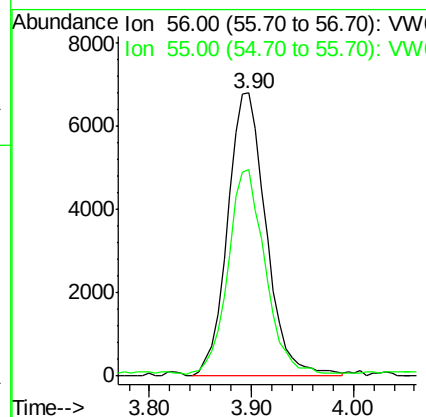
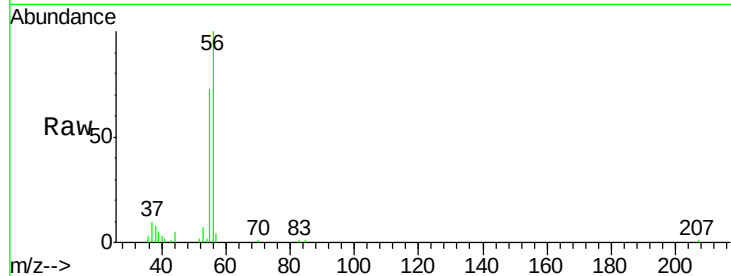
55 69.2 57.9 86.9

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#14

Allyl chloride

Concen: 55.082 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

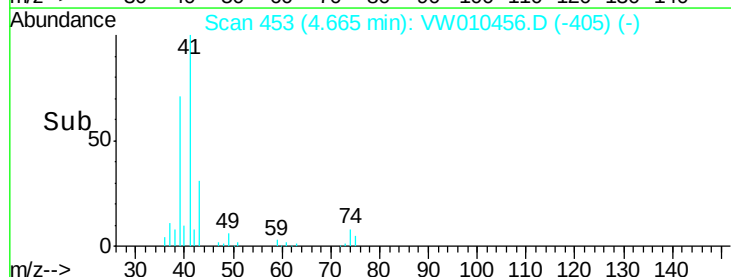
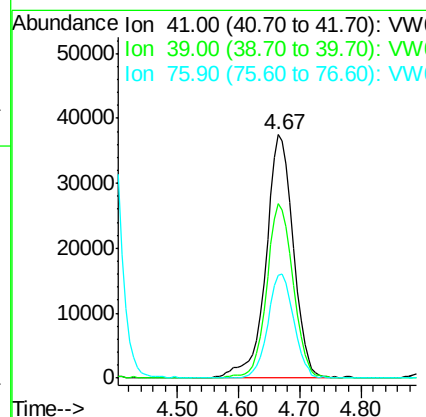
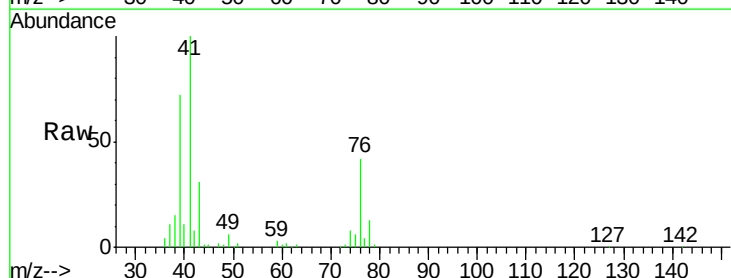
Tgt Ion: 41 Resp: 116473

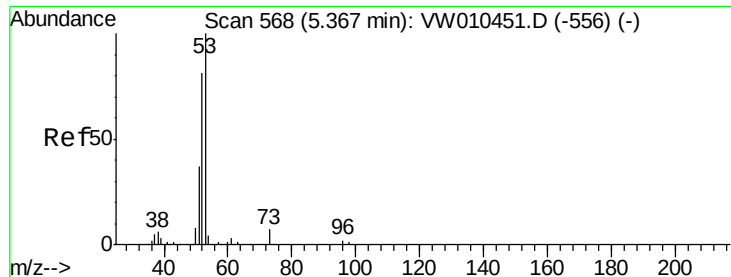
Ion Ratio Lower Upper

41 100

39 68.5 55.0 82.4

76 40.4 32.8 49.2





#15

Acrylonitrile

Concen: 267.266 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

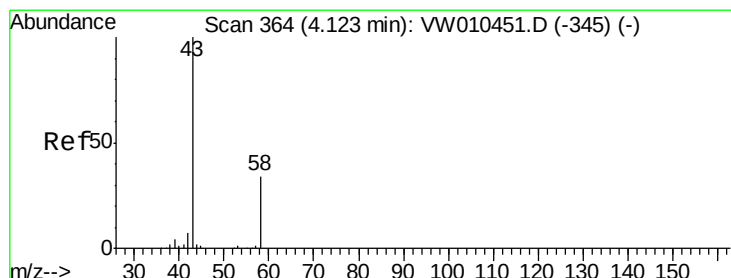
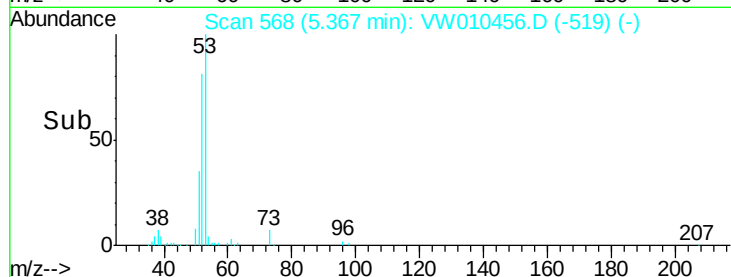
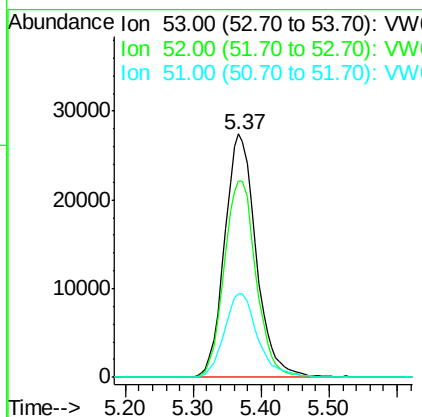
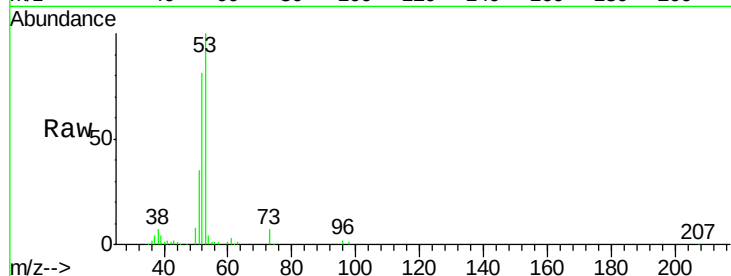
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	88169
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.6	98.4
51	36.5	29.5	44.3

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#16

Acetone

Concen: 259.111 ug/l

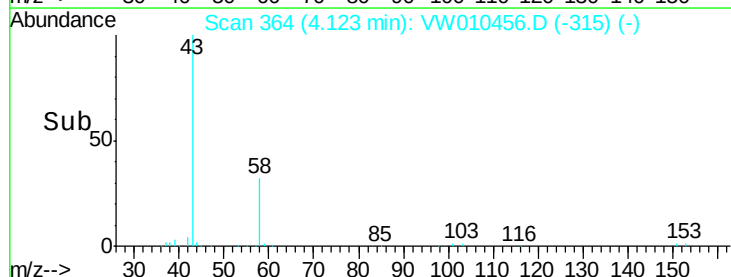
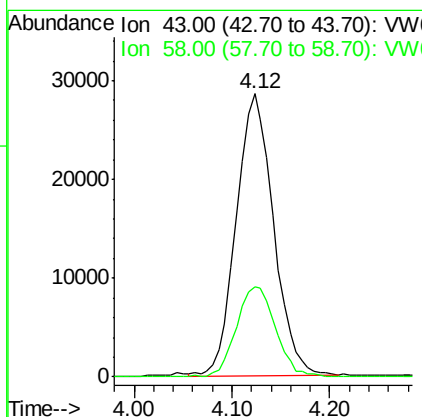
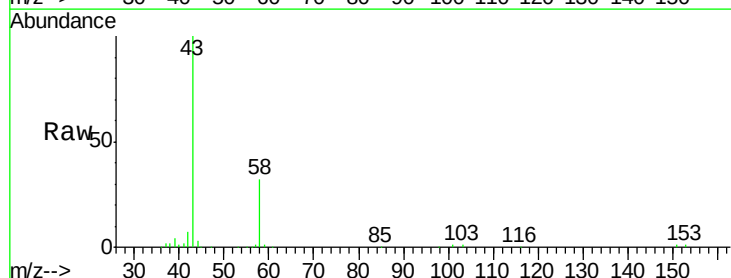
RT: 4.12 min Scan# 364

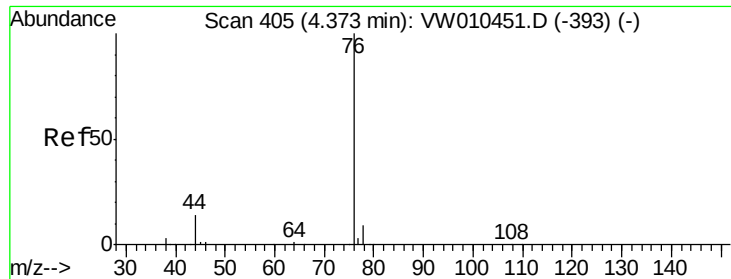
Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion:	43	Resp:	75501
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.0	40.4





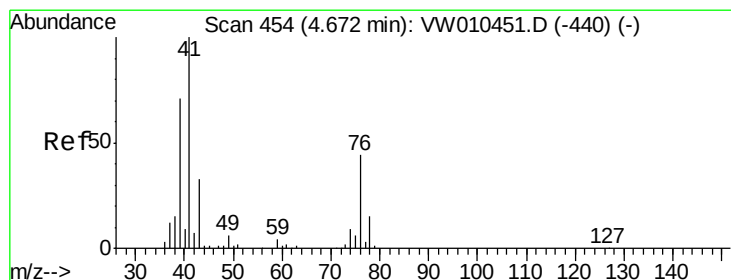
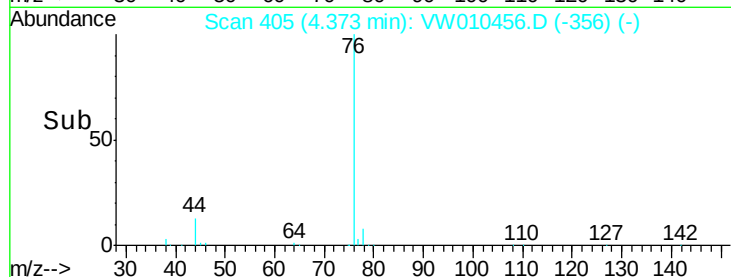
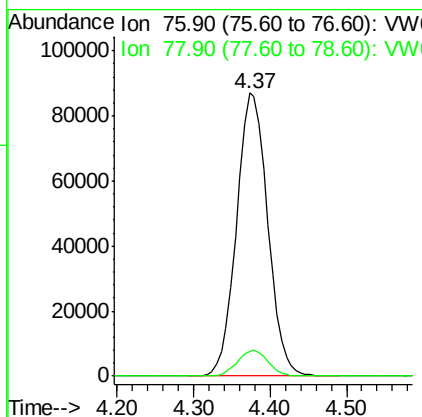
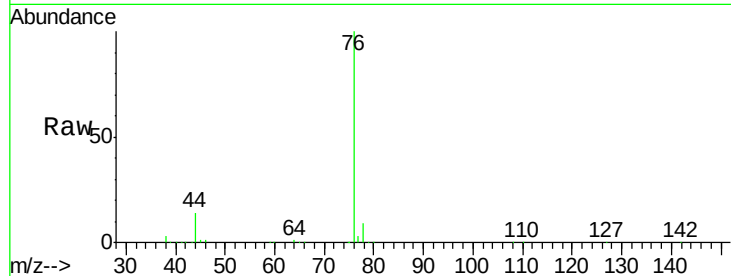
#17
Carbon Disulfide
Concen: 56.371 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

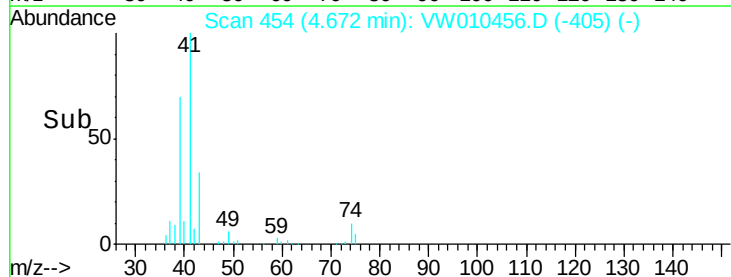
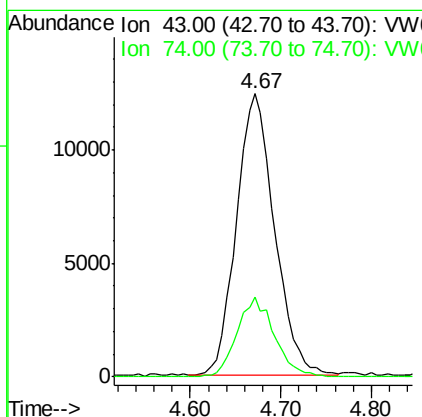
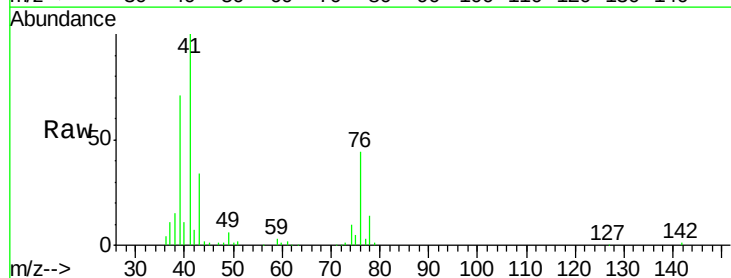
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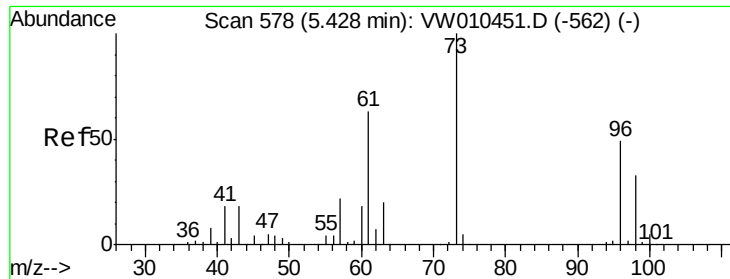
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#18
Methyl Acetate
Concen: 50.846 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	21.6	32.4





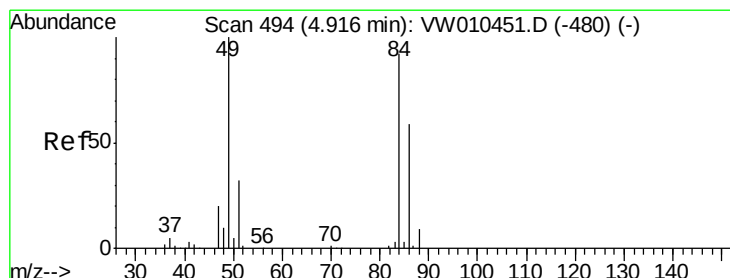
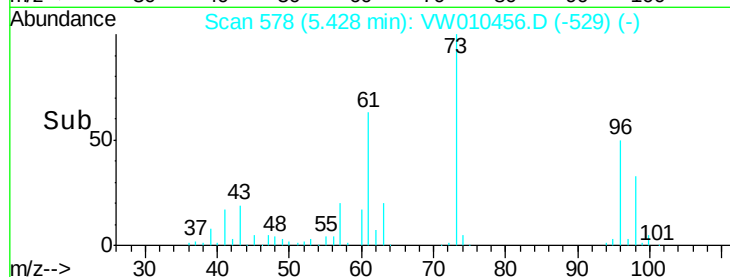
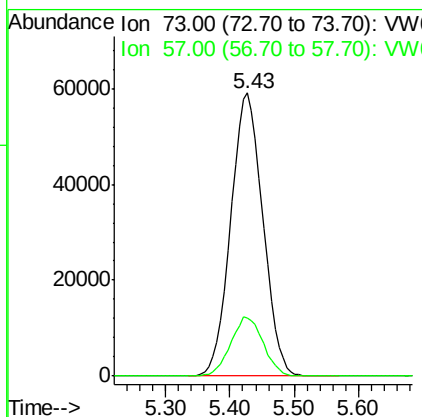
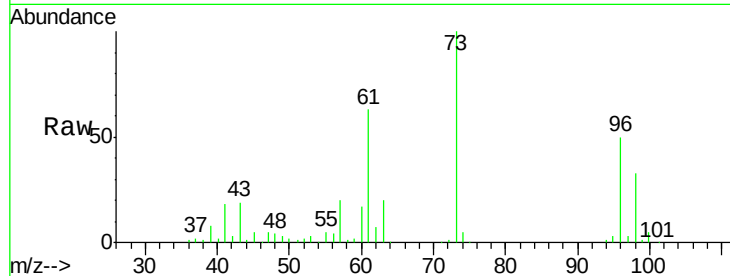
#19
Methyl tert-butyl Ether
Concen: 54.969 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 204709
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

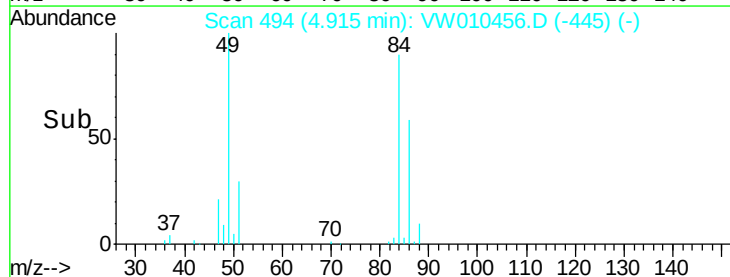
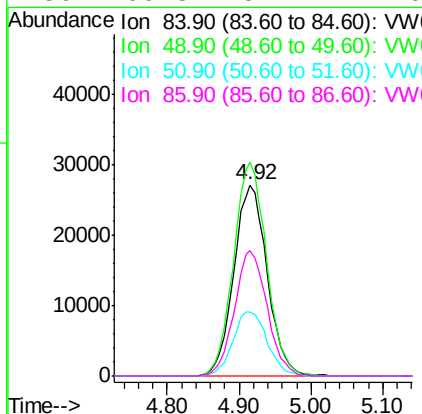
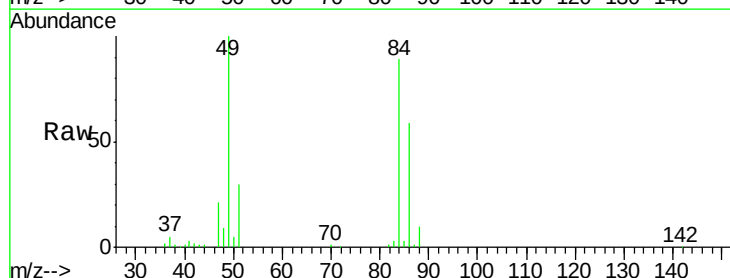
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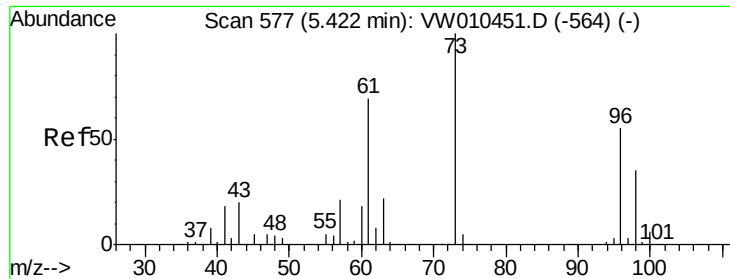
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#20
Methylene Chloride
Concen: 51.042 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 84 Resp: 87086
Ion Ratio Lower Upper
84 100
49 112.0 87.2 130.8
51 33.5 27.7 41.5
86 65.8 51.4 77.0





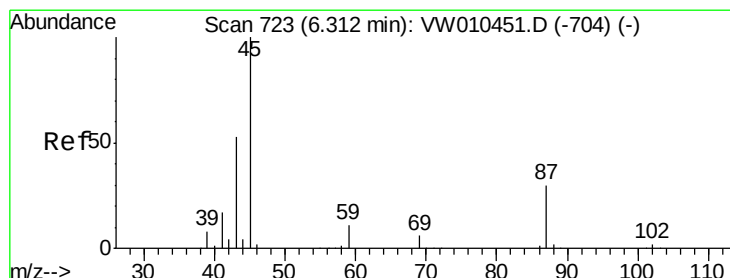
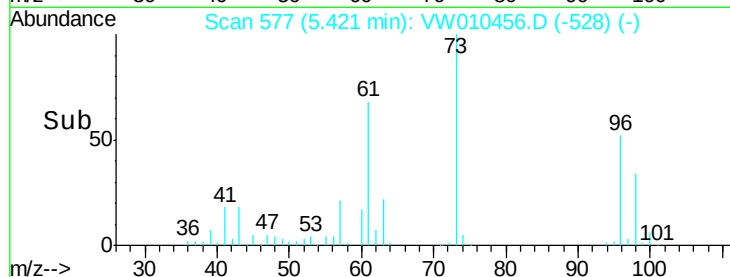
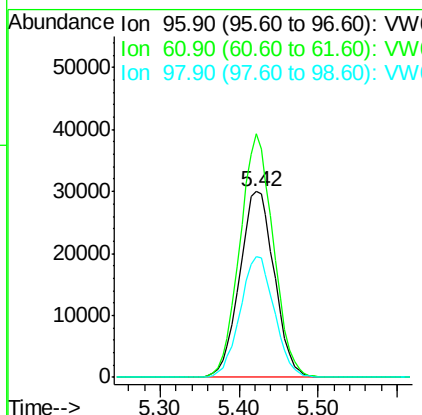
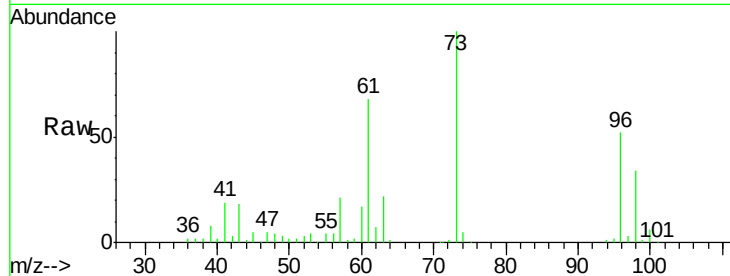
#21
trans-1,2-Dichloroethene
Concen: 54.803 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	101.4	152.0
98	65.2	50.6	76.0

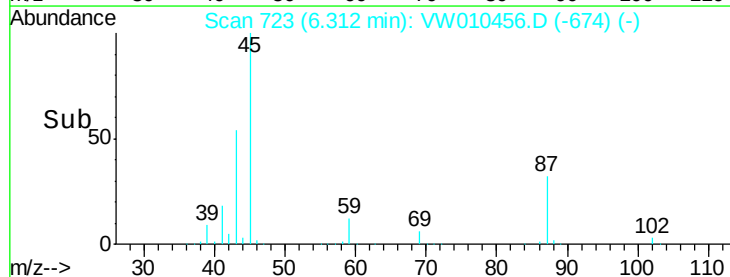
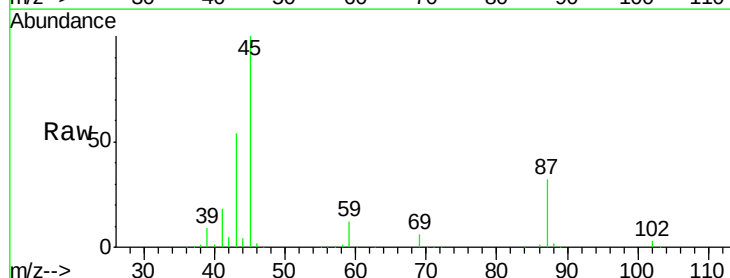
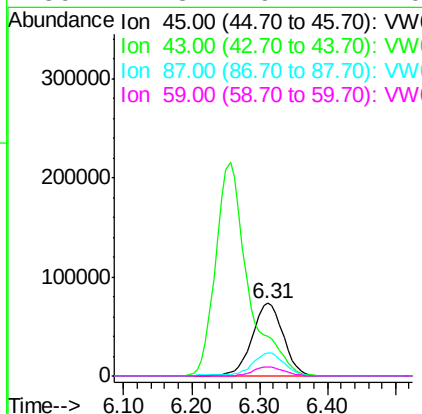
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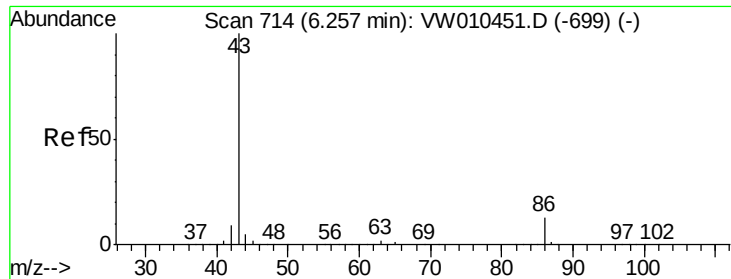
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#22
Diisopropyl ether
Concen: 54.154 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.0	42.9	64.3
87	32.3	24.6	36.8
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 275.820 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 714360

Ion Ratio Lower Upper

43 100

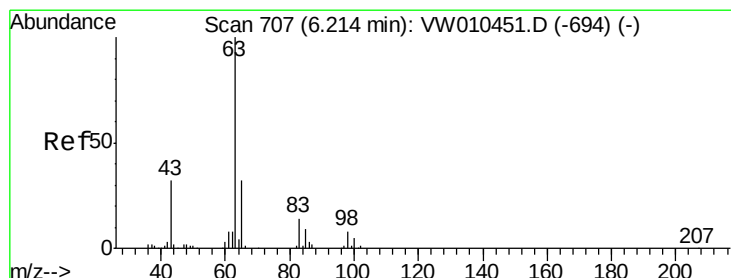
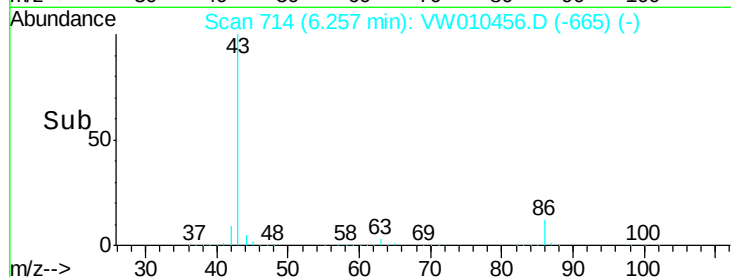
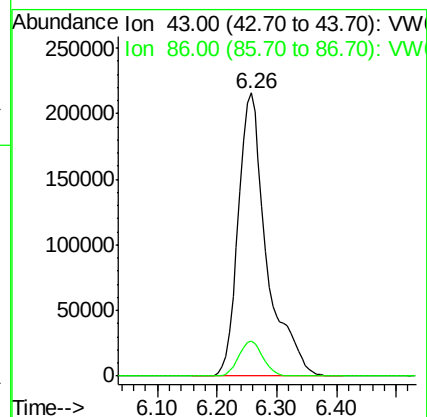
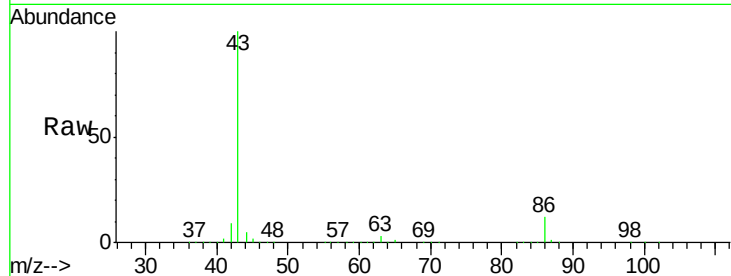
86 12.2 10.3 15.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.868 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

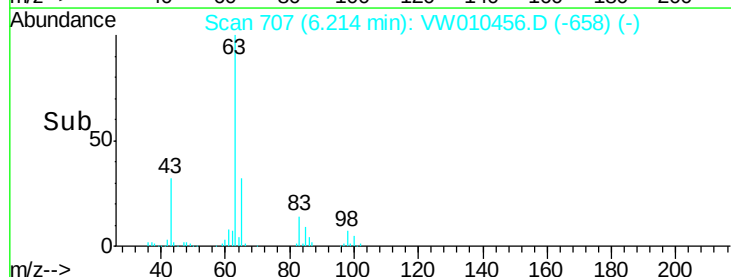
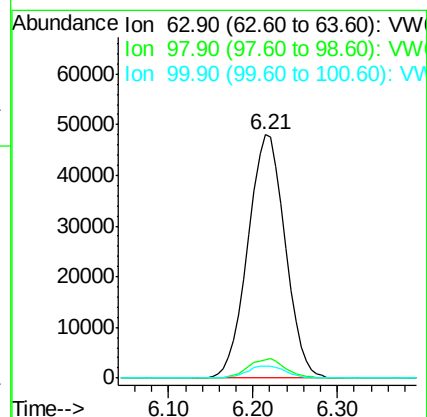
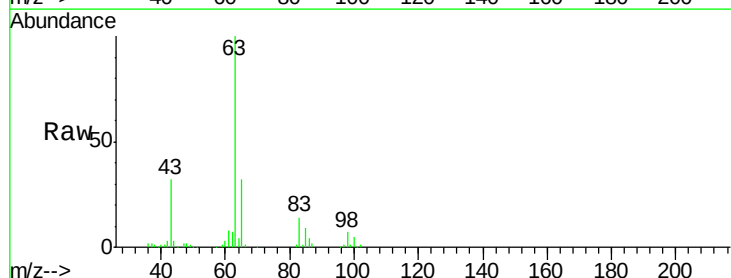
Tgt Ion: 63 Resp: 144554

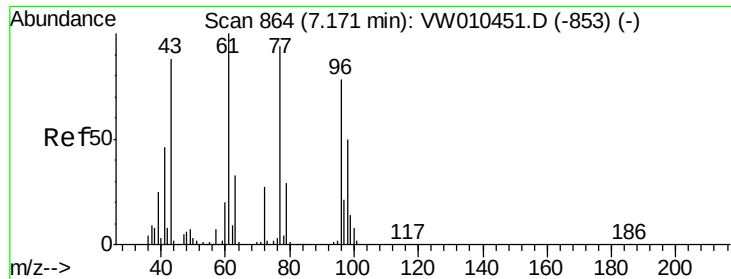
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 267.401 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 111506

Ion Ratio Lower Upper

43 100

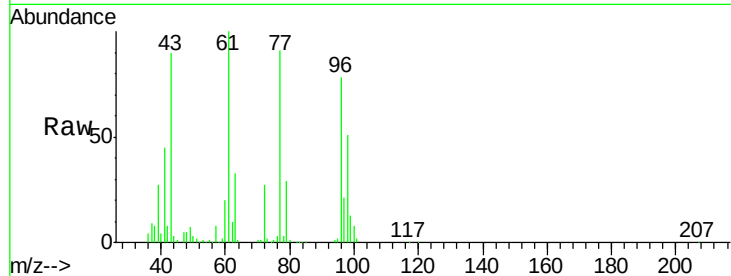
72 30.6 24.1 36.1

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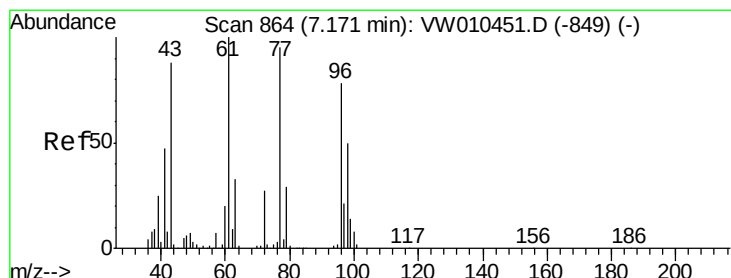
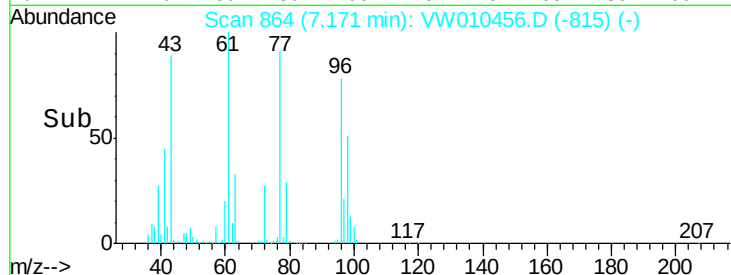
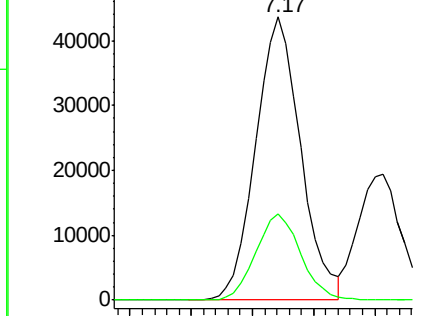
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 53.515 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010456.D

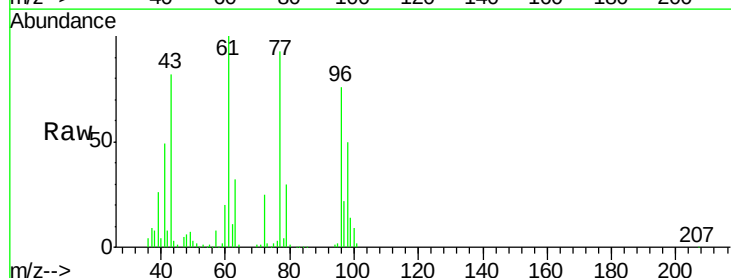
Acq: 20 May 2019 19:14

Tgt Ion: 77 Resp: 131895

Ion Ratio Lower Upper

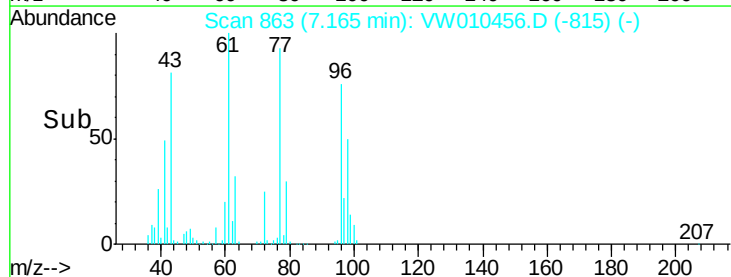
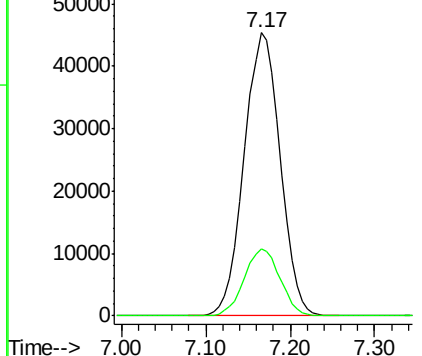
77 100

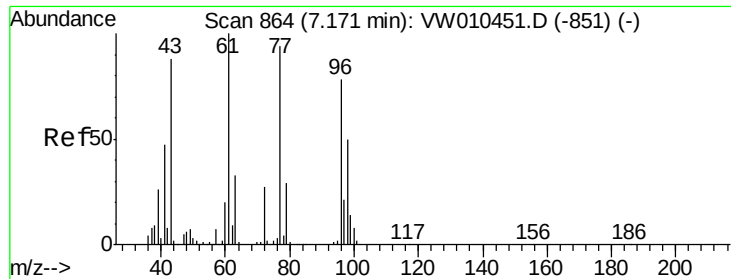
97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

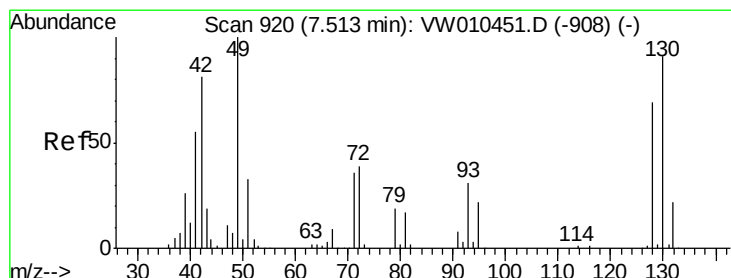
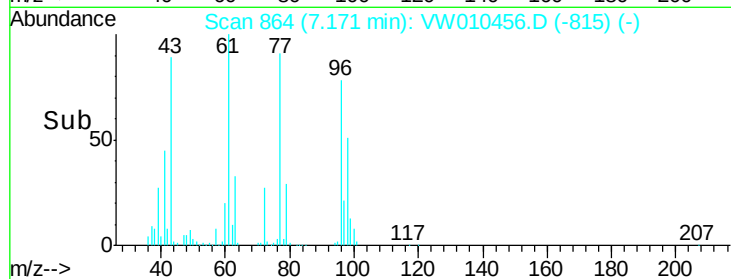
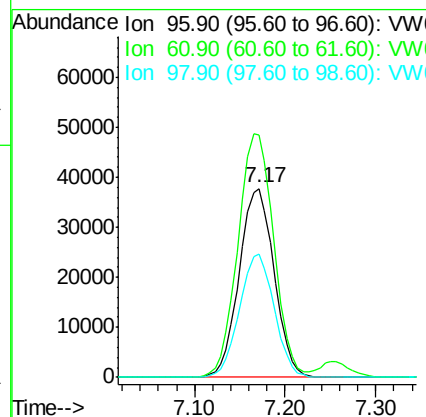
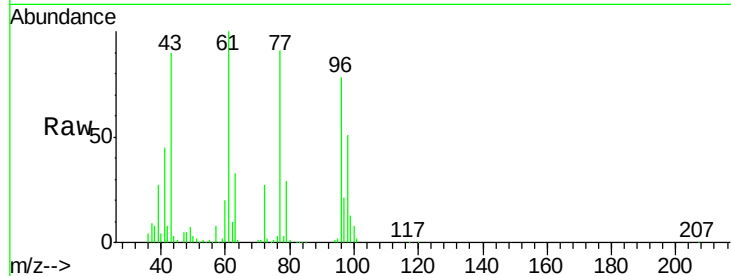
cis-1,2-Dichloroethene
 Concen: 55.375 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	265.4
98	64.8	0.0	129.4

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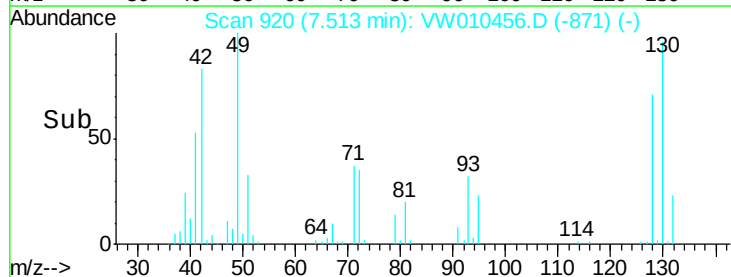
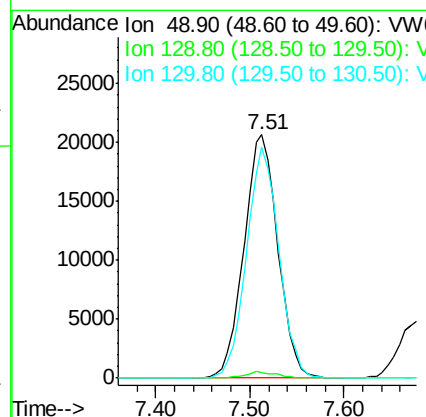
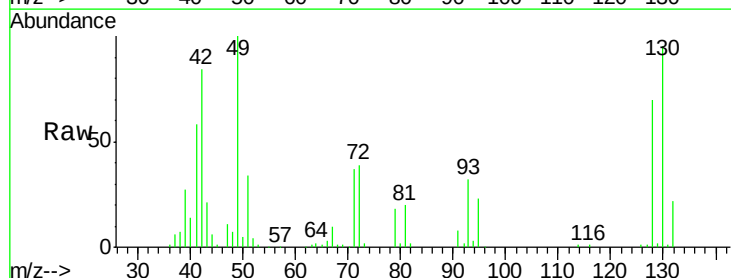
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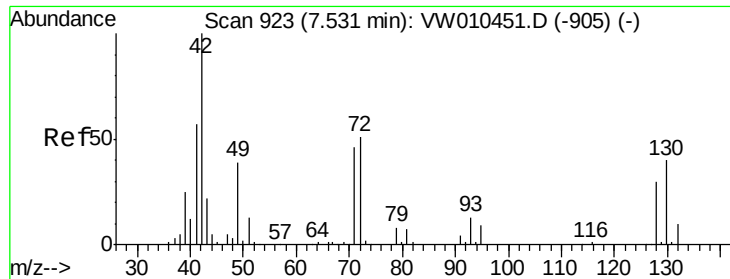


#28

Bromochloromethane
 Concen: 56.053 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.7	71.2	106.8





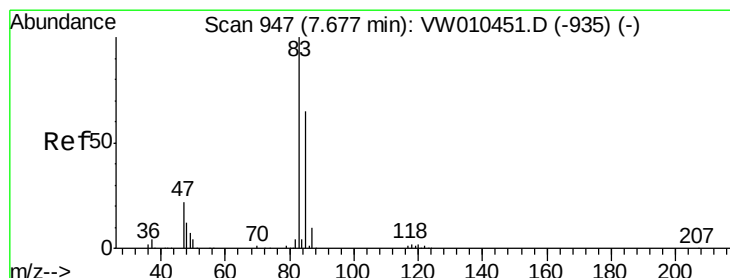
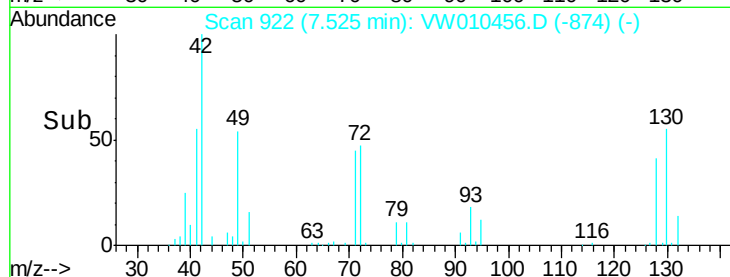
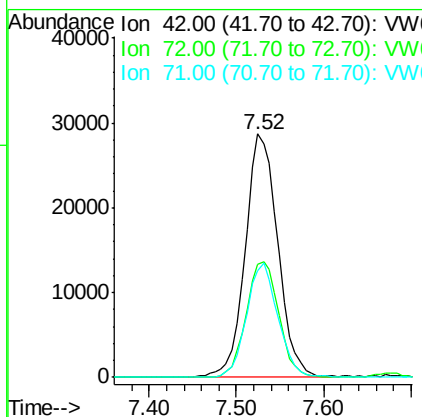
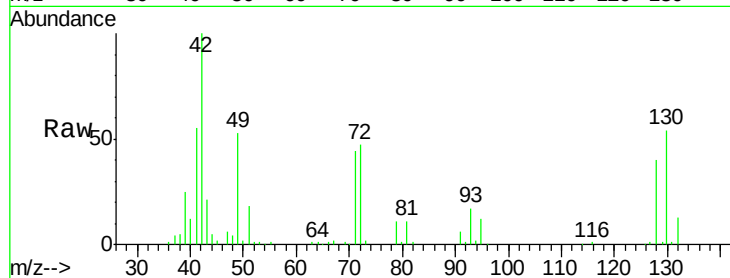
#29
Tetrahydrofuran
Concen: 261.357 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.5	57.7
71	45.5	36.5	54.7

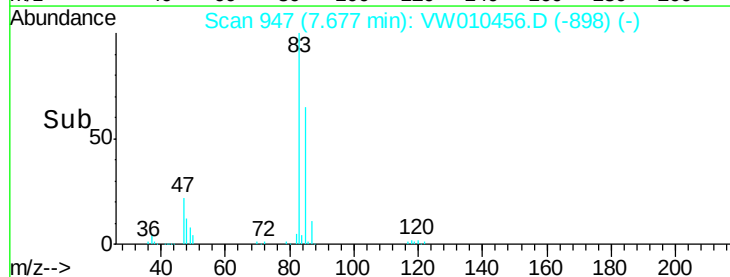
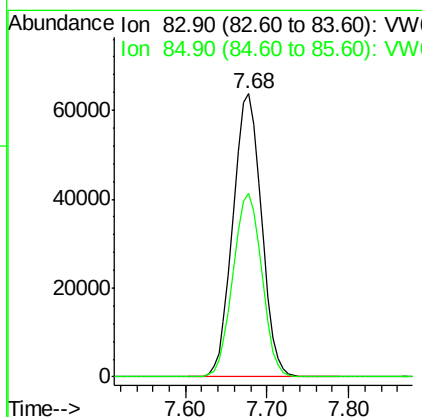
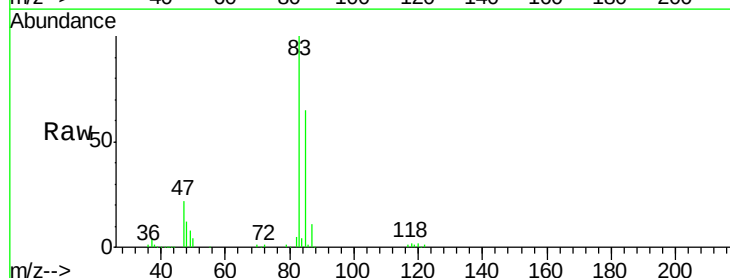
Manual Integrations
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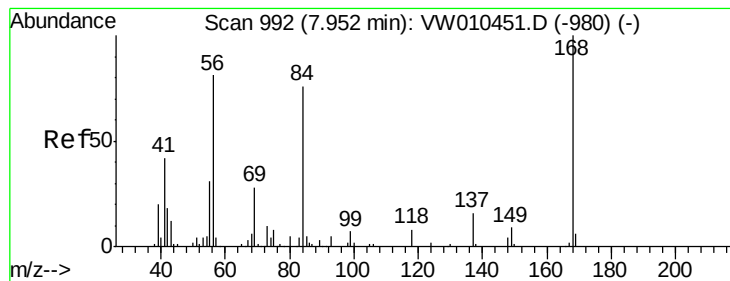
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#30
Chloroform
Concen: 55.249 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





#31

Cyclohexane

Concen: 51.276 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

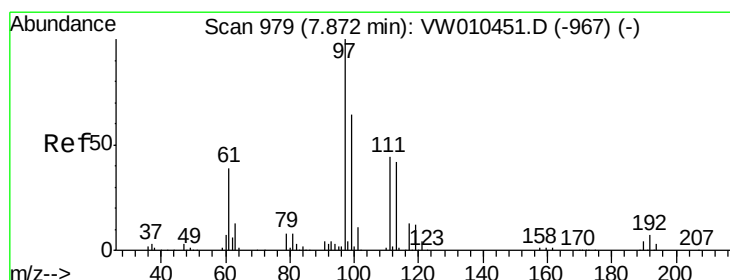
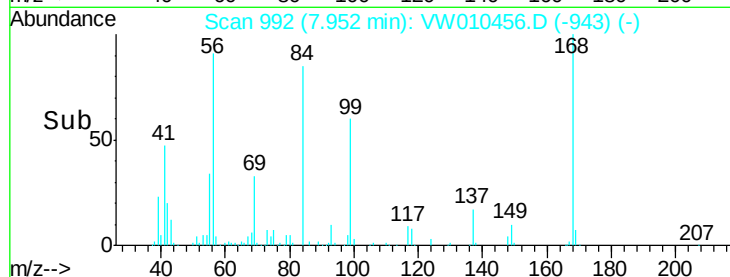
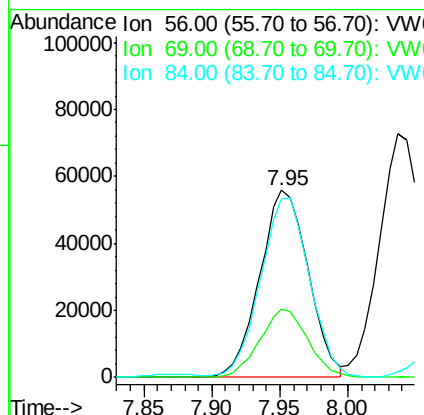
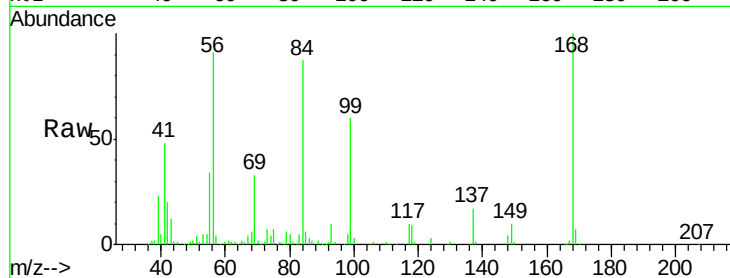
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	138974
Ion Ratio	Lower	Upper	
56	100		
69	36.5	28.2	42.2
84	93.7	75.8	113.8

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#32

1,1,1-Trichloroethane

Concen: 54.970 ug/l

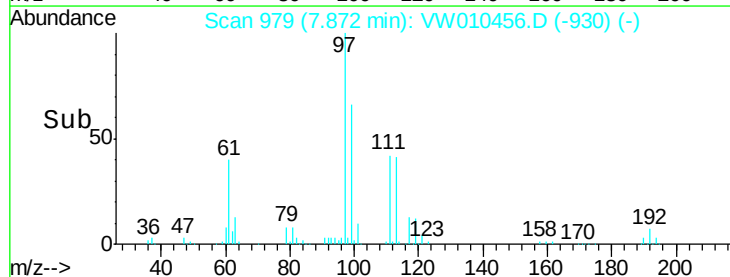
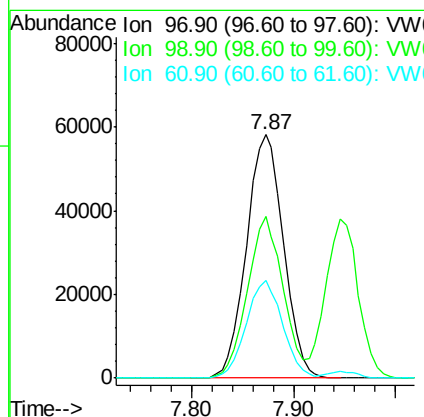
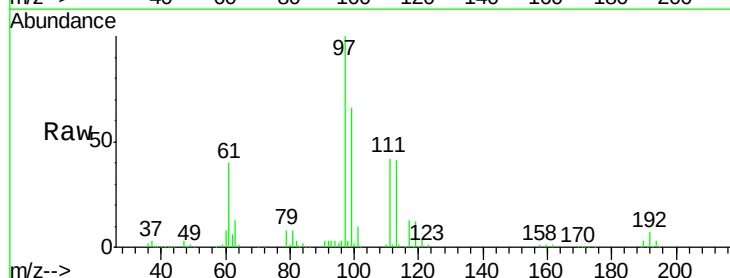
RT: 7.87 min Scan# 979

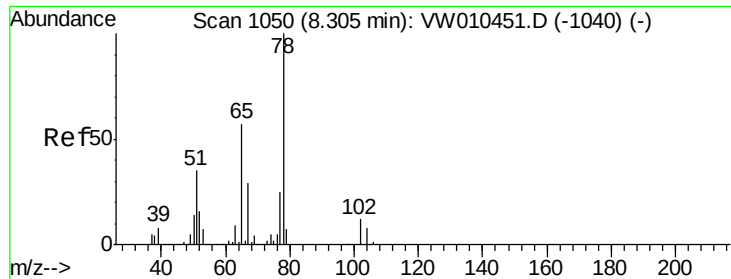
Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion:	97	Resp:	146631
Ion Ratio	Lower	Upper	
97	100		
99	63.9	50.8	76.2
61	39.5	32.1	48.1





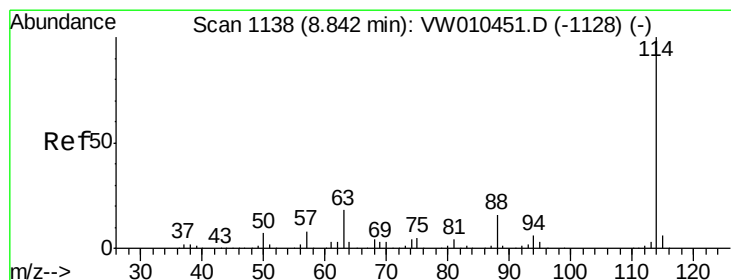
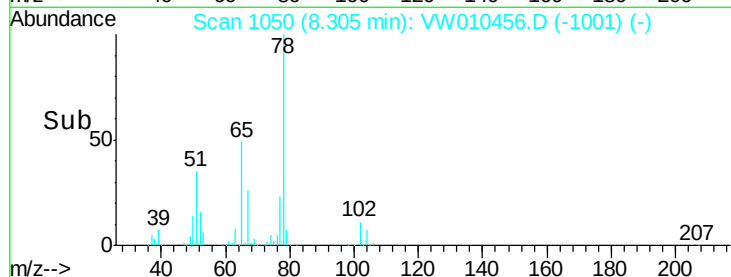
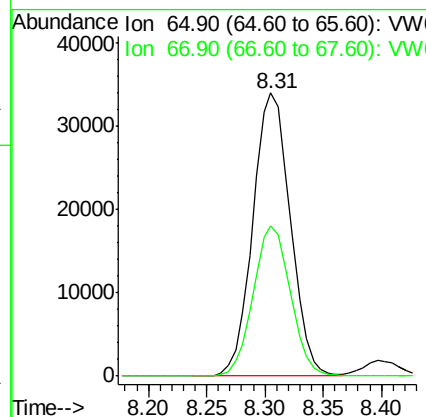
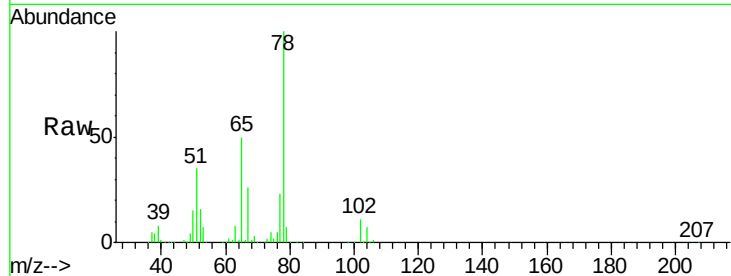
#33
 1,2-Dichloroethane-d4
 Concen: 53.190 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	75929		
67	52.6		0.0	103.6

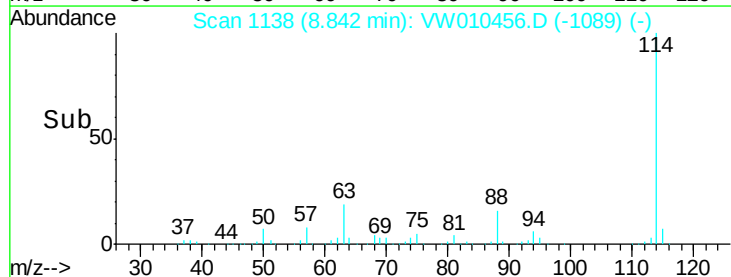
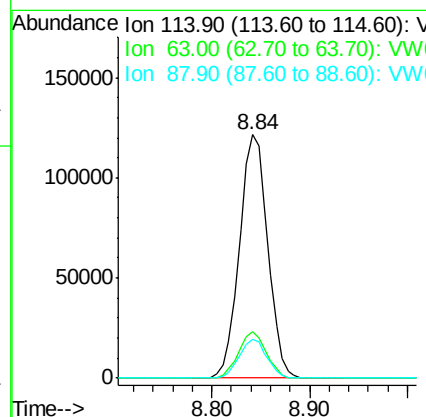
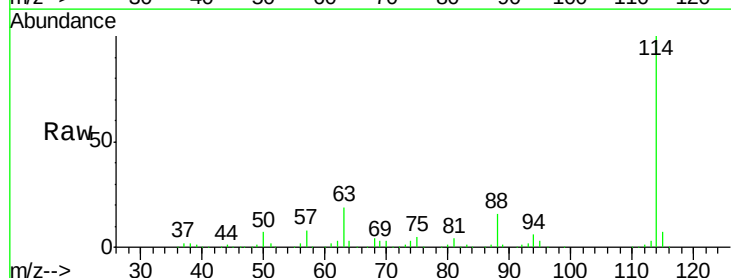
Manual Integrations
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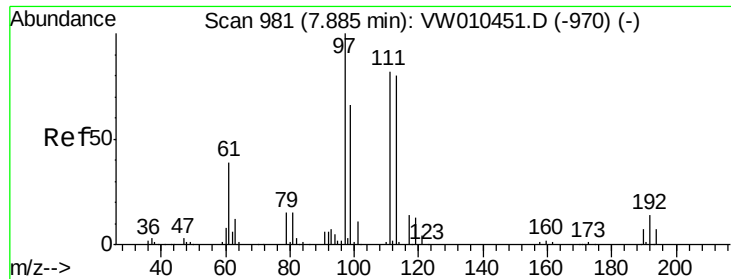
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	243270		
63	19.3		0.0	36.0
88	16.1		0.0	32.0





#35

Dibromofluoromethane

Concen: 52.437 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

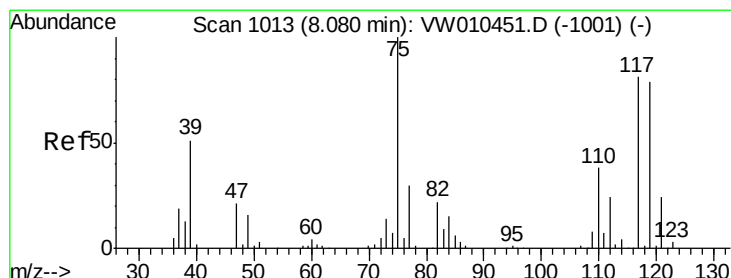
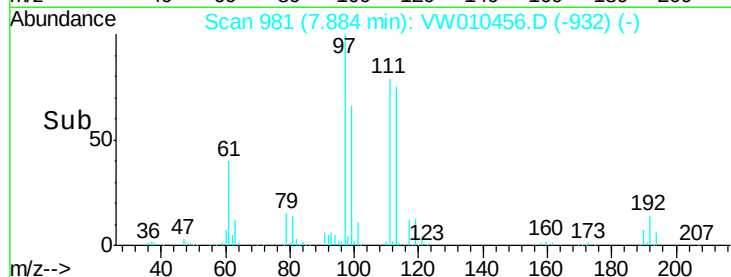
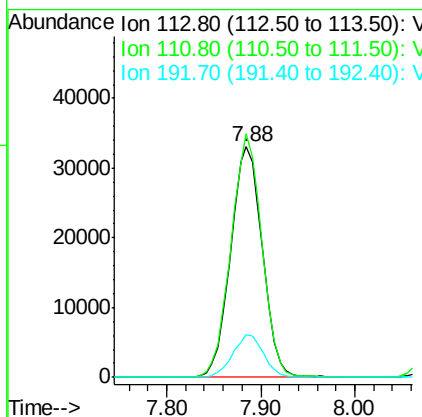
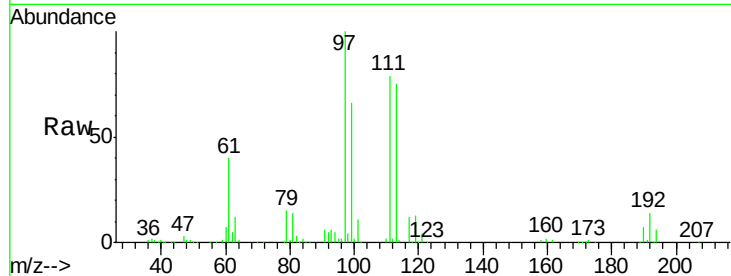
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	17.9	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 53.737 ug/l

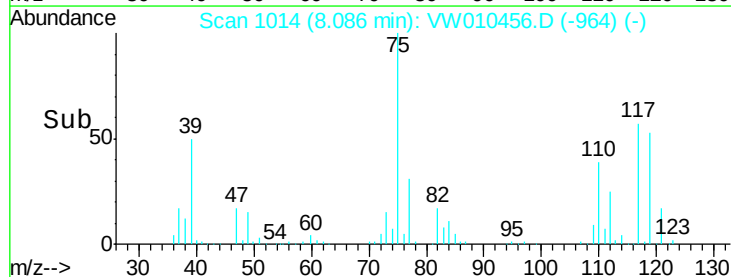
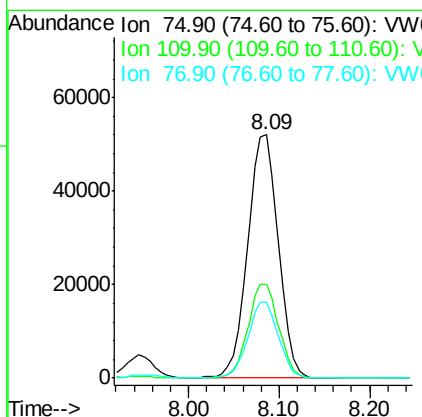
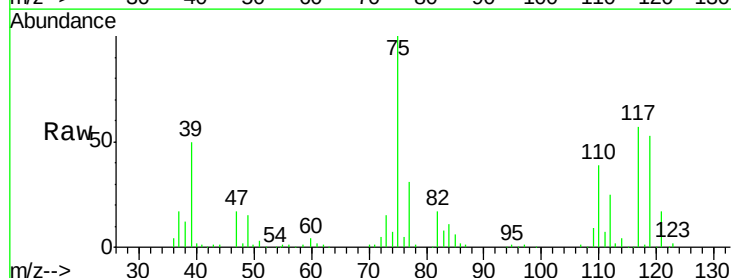
RT: 8.09 min Scan# 1014

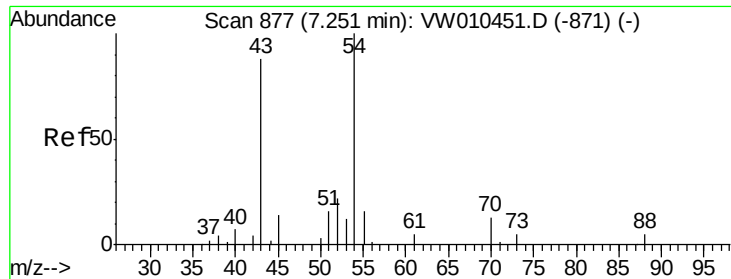
Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.2	57.6
77	31.1	25.2	37.8





#37

Ethyl Acetate

Concen: 51.205 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

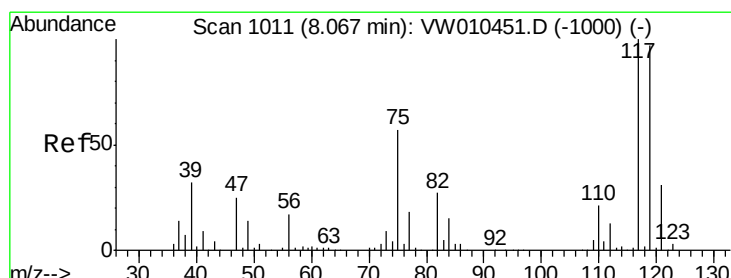
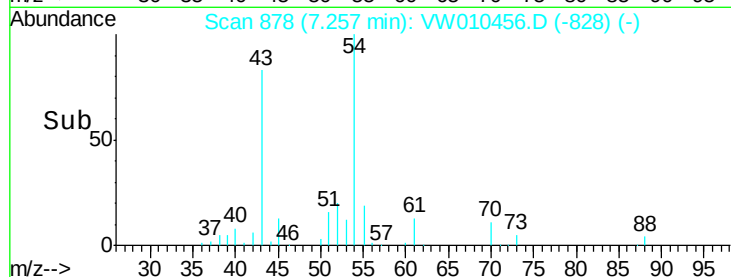
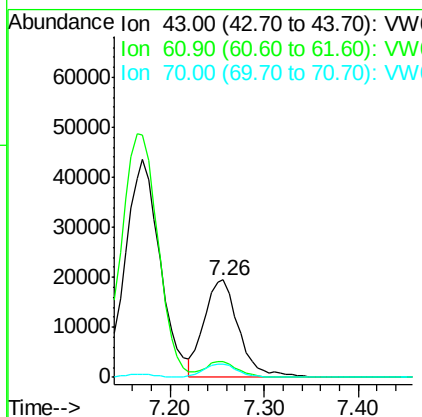
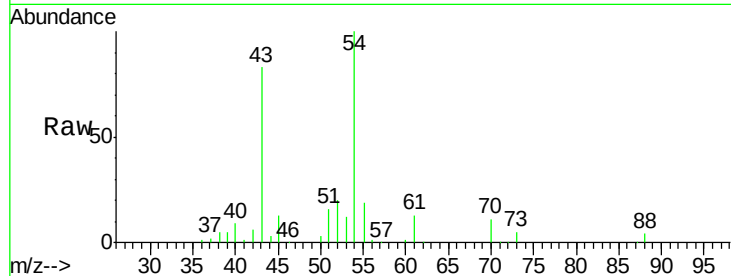
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	49346
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	13.6	9.9	14.9

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#38

Carbon Tetrachloride

Concen: 54.214 ug/l

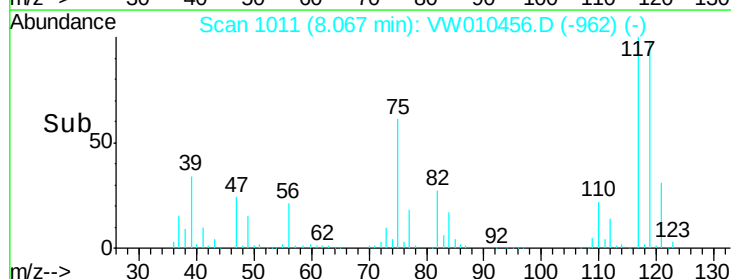
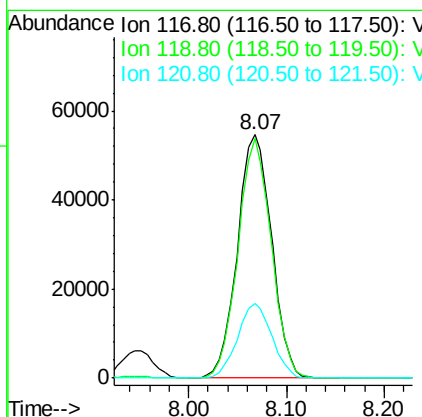
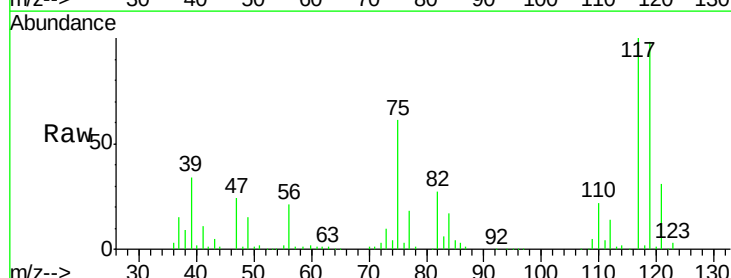
RT: 8.07 min Scan# 1011

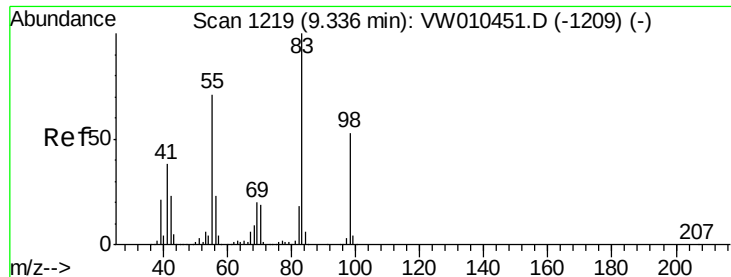
Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion:	117	Resp:	132534
Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.4	116.0
121	30.9	25.0	37.6





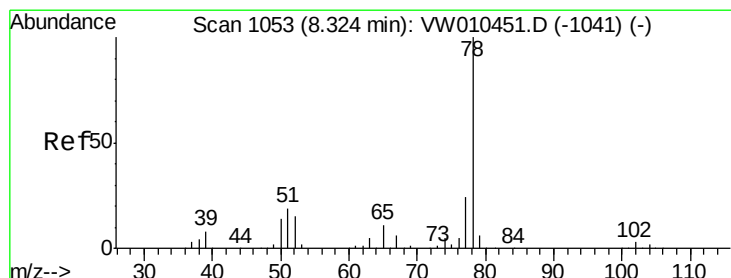
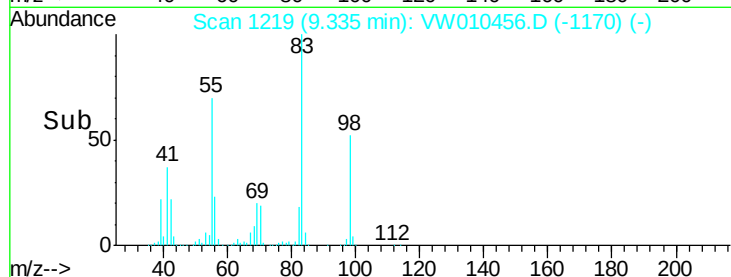
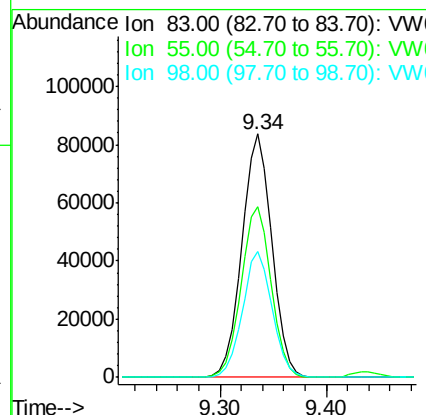
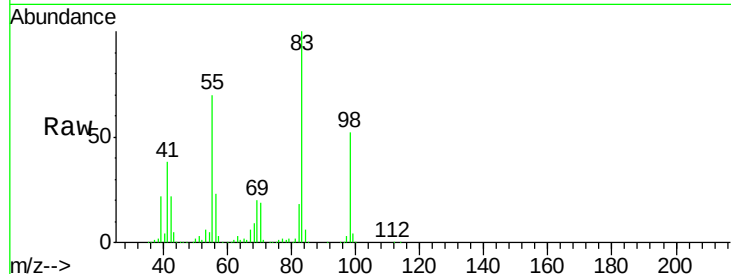
#39
Methylvlcyclohexane
Concen: 54.472 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	165385
Ion	Ratio	Lower	Upper
83	100		
55	69.9	57.0	85.6
98	51.8	42.0	63.0

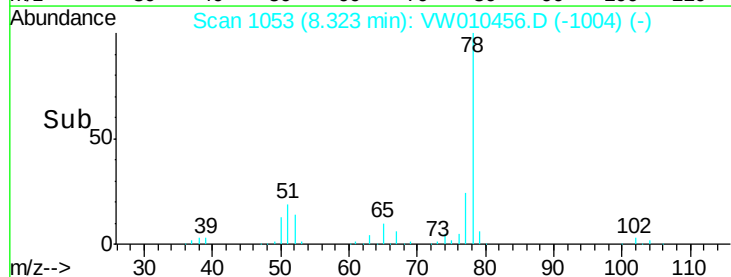
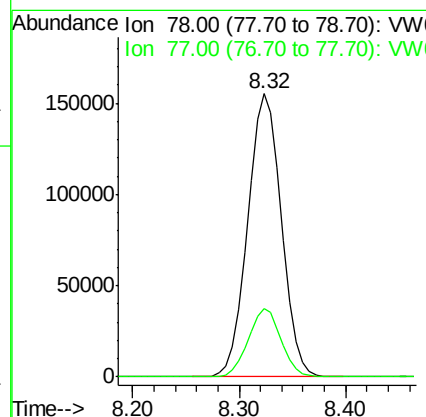
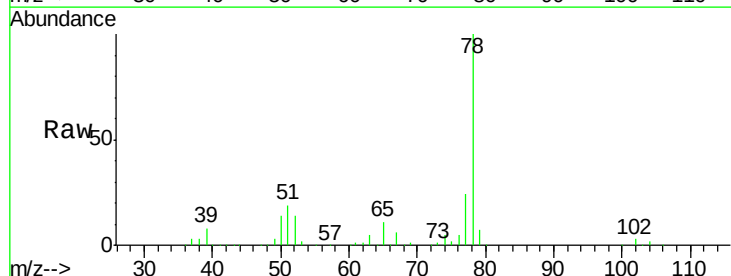
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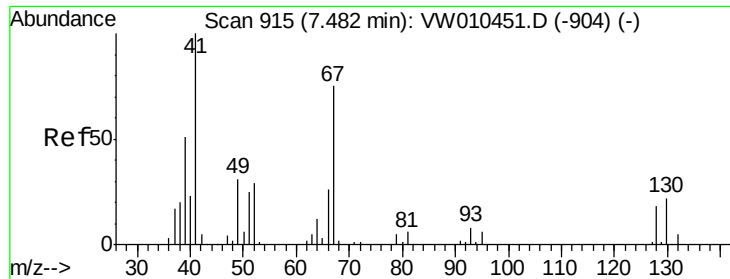
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#40
Benzene
Concen: 54.627 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	78	Resp	344081
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





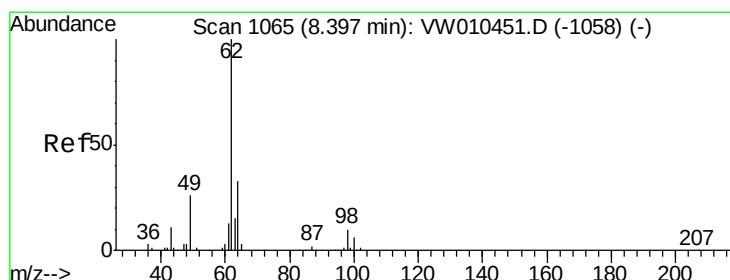
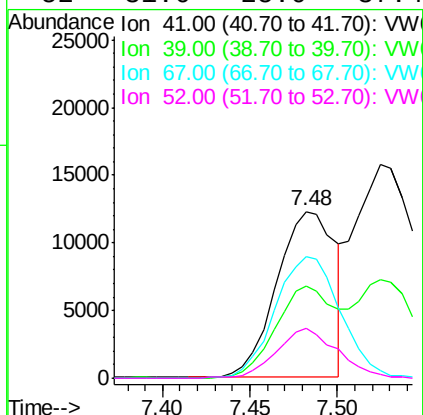
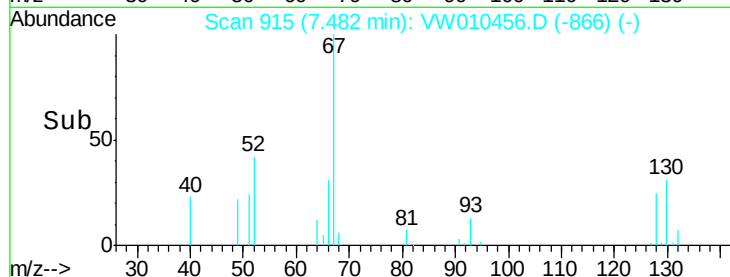
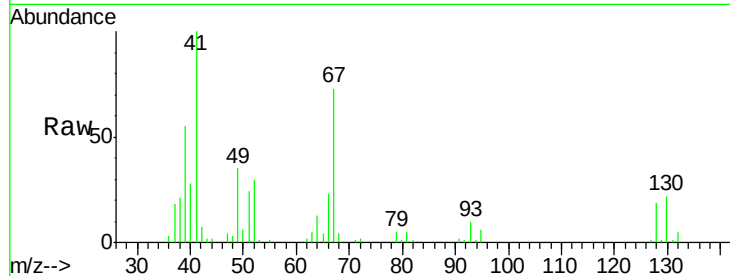
#41
Methacrylonitrile
Concen: 50.009 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.4	71.2
67	82.2	65.5	98.3
52	31.6	25.0	37.4

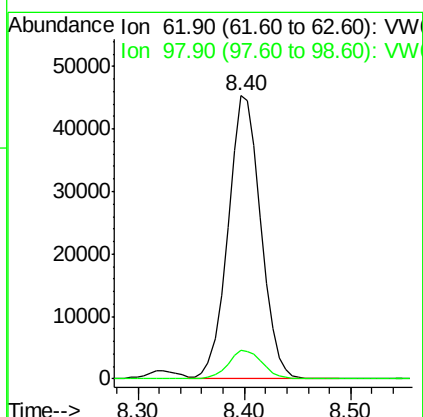
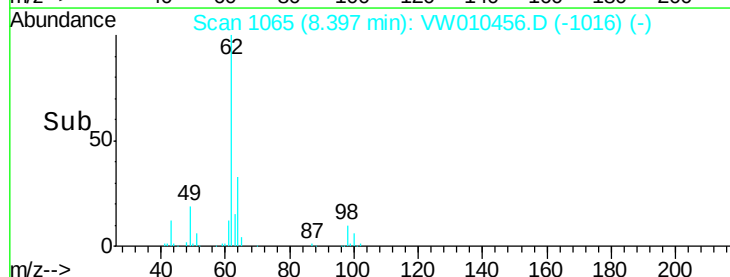
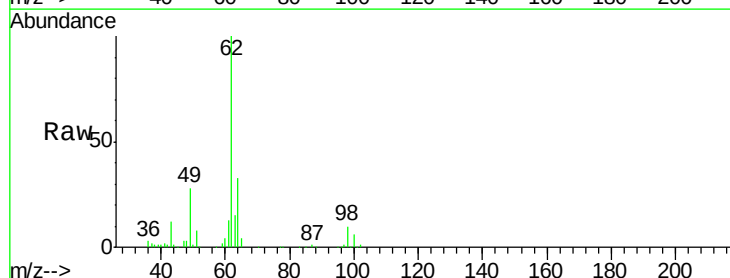
Manual Integrations
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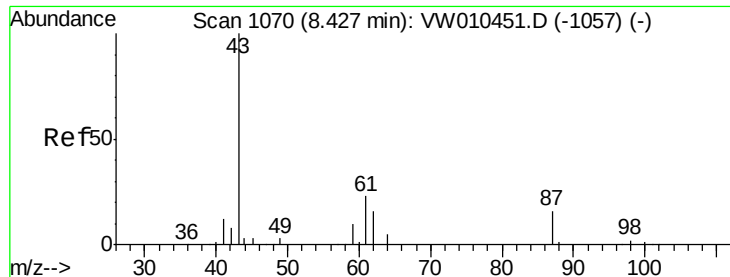
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.249 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





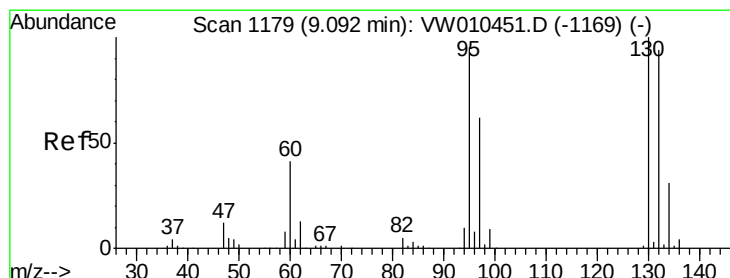
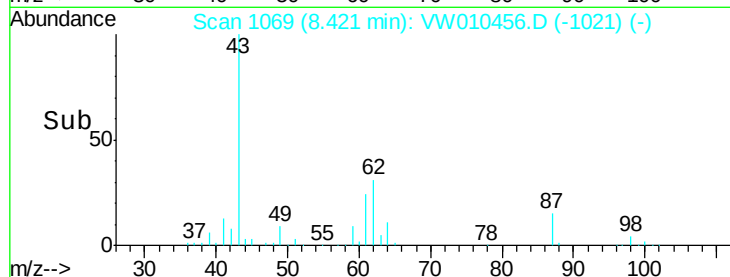
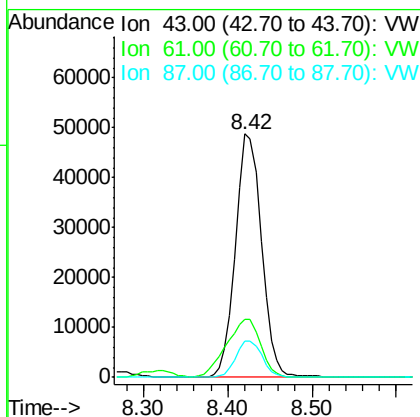
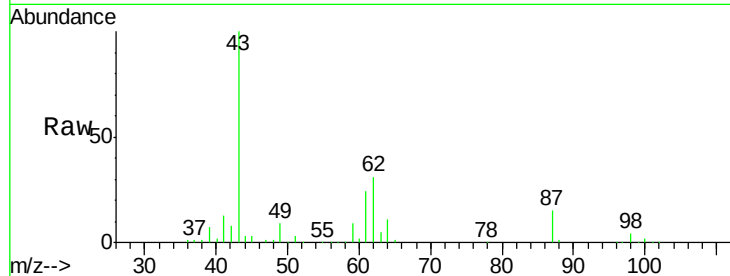
#43
Isopropyl Acetate
Concen: 52.635 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	25.4	38.2
87	15.2	12.7	19.1

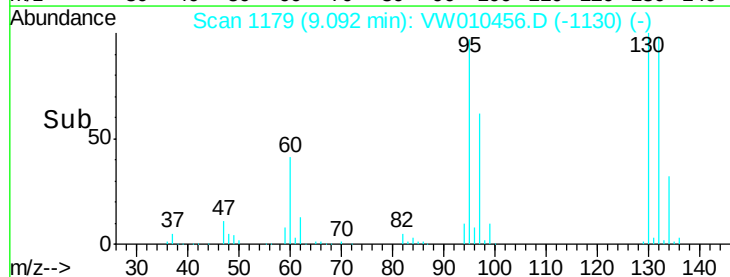
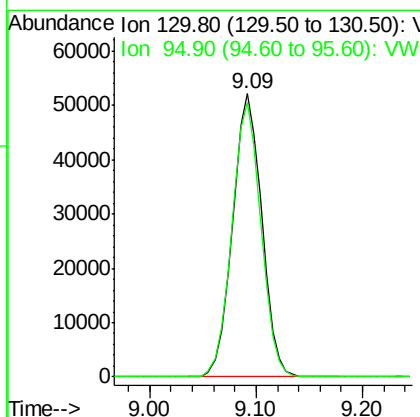
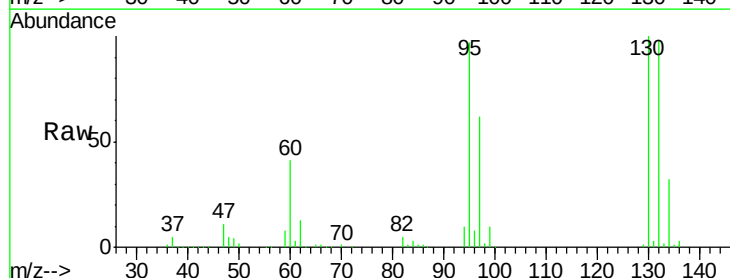
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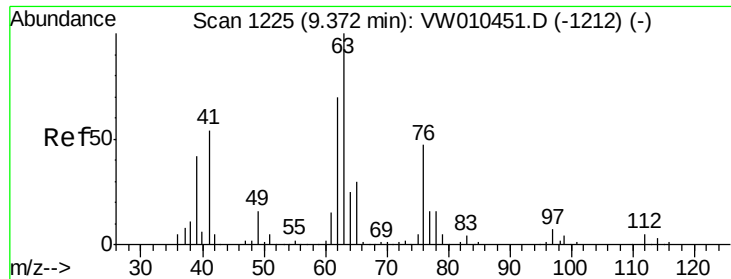
MMDadoda
5/21/2019 11:29:06 AM



#44
Trichloroethene
Concen: 53.580 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	189.6





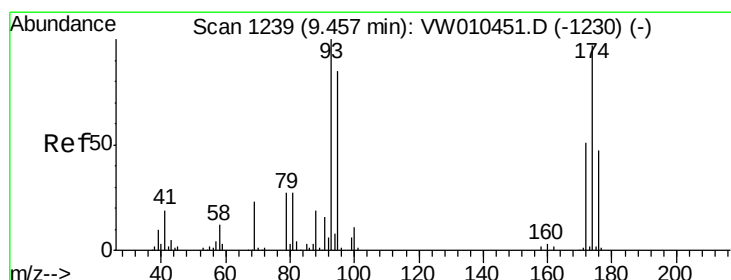
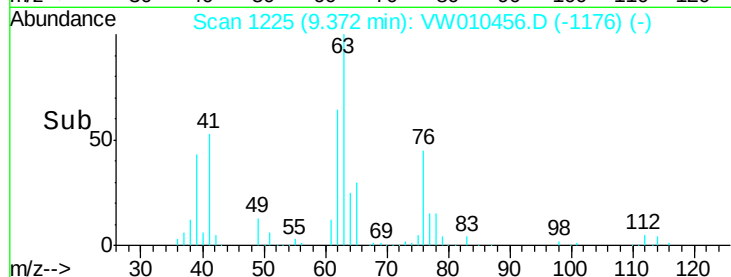
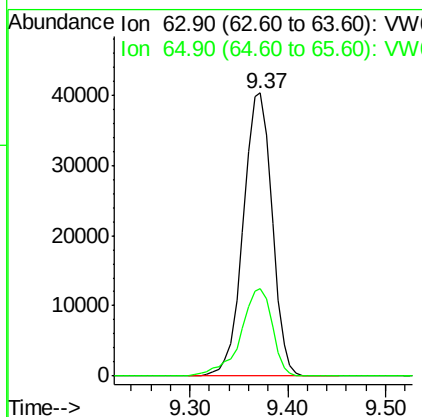
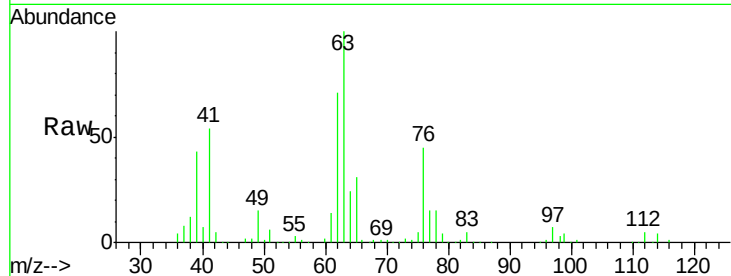
#45
 1,2-Dichloropropane
 Concen: 55.273 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 82685
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5

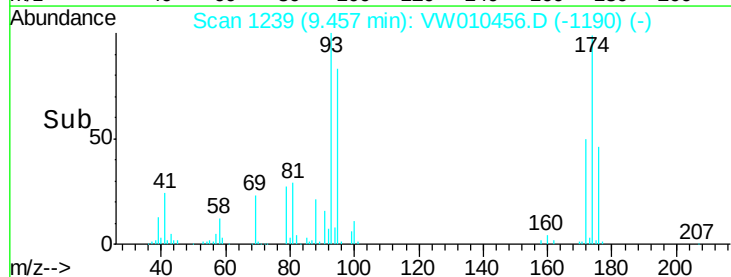
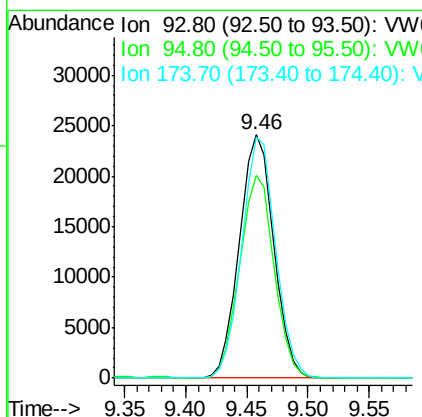
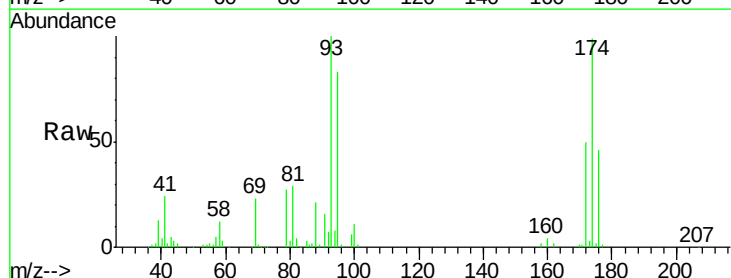
Manual Integrations
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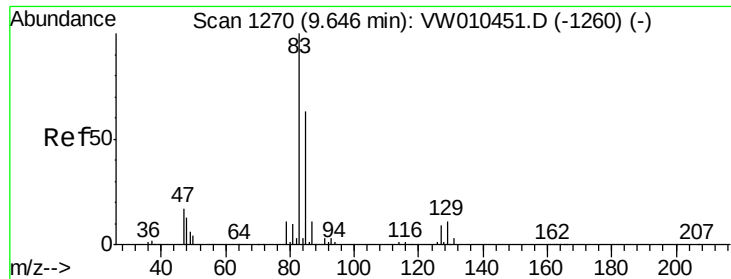
MMDadoda
 5/21/2019 11:29:06 AM



#46
 Dibromomethane
 Concen: 53.867 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 93 Resp: 47126
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.1 99.1
 174 97.6 77.1 115.7





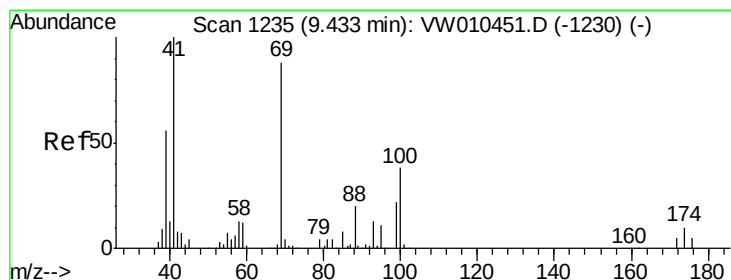
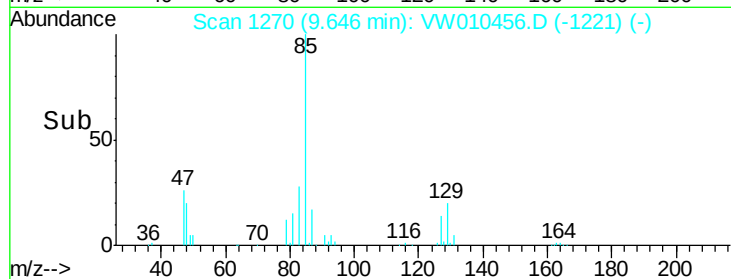
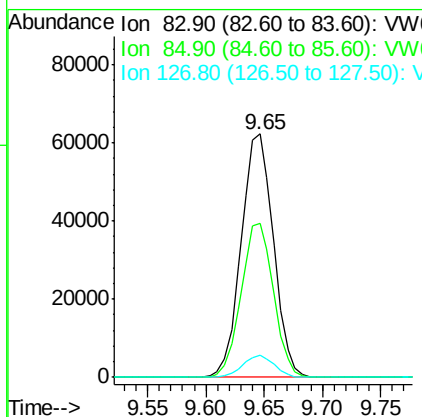
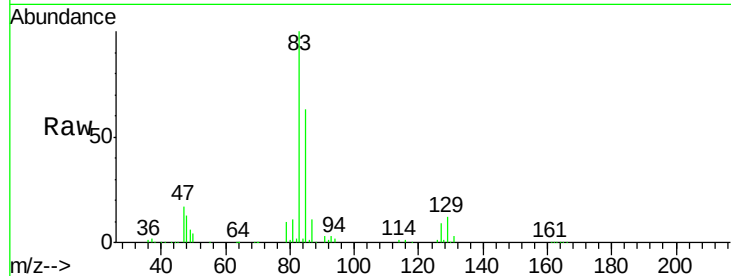
#47
 Bromodichloromethane
 Concen: 54.847 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120581		
85	63.2		50.4	75.6
127	8.9		7.4	11.0

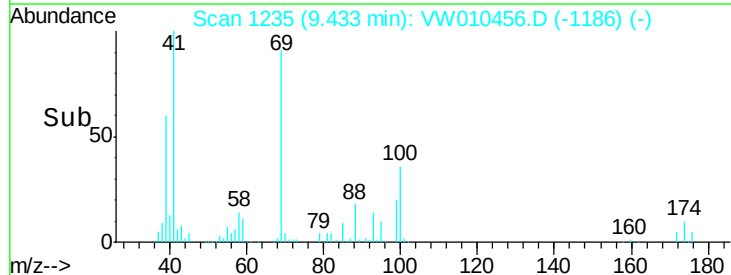
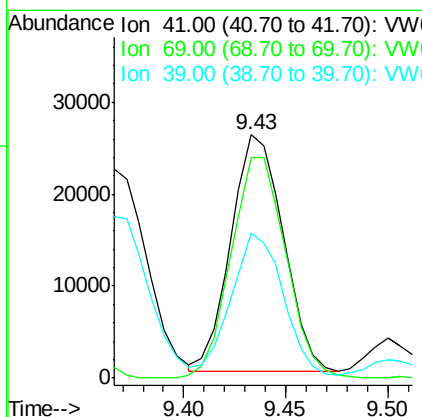
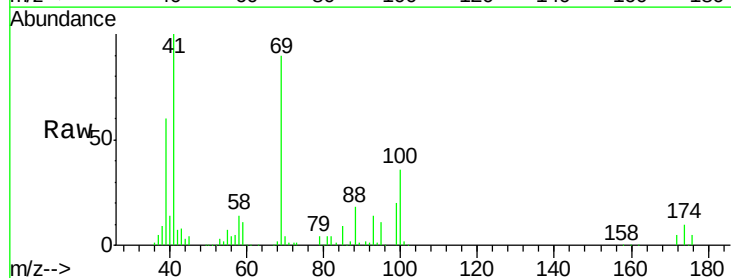
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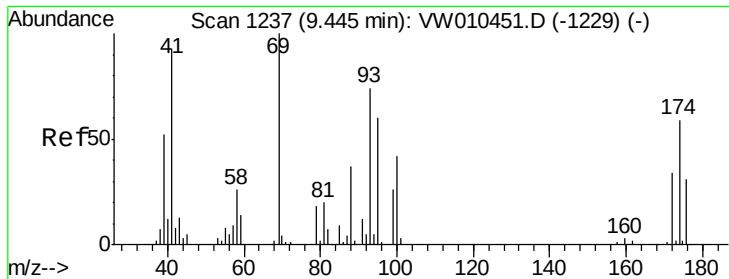
MMDadoda
 5/21/2019 11:29:06 AM



#48
 Methyl methacrylate
 Concen: 51.842 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45661		
69	98.9		77.6	116.4
39	62.6		49.8	74.8





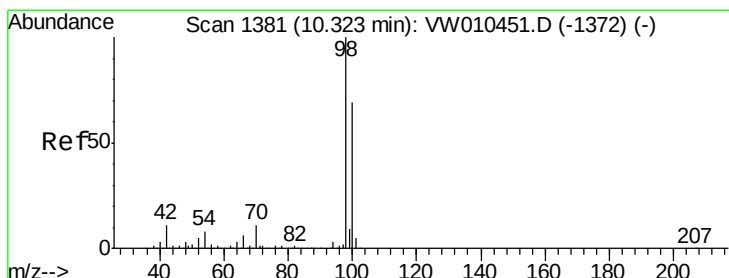
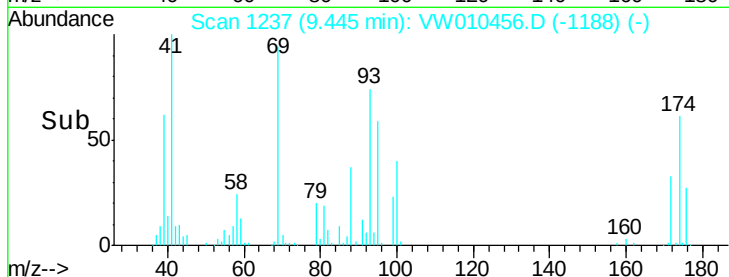
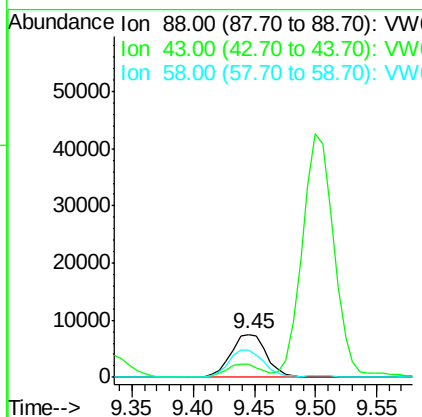
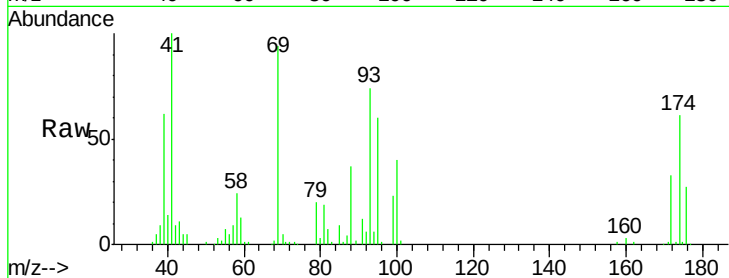
#49
1,4-Dioxane
Concen: 1064.006 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	15206
Ion	Ratio	Lower	Upper
88	100		
43	29.7	25.9	38.9
58	63.0	52.7	79.1

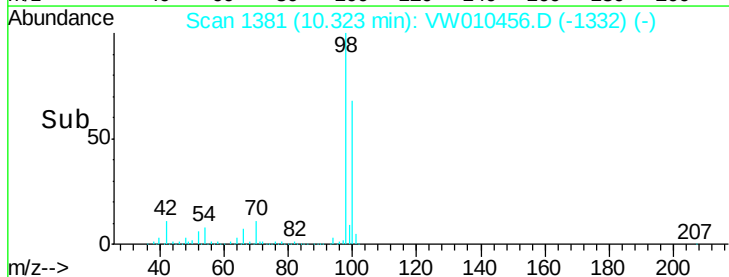
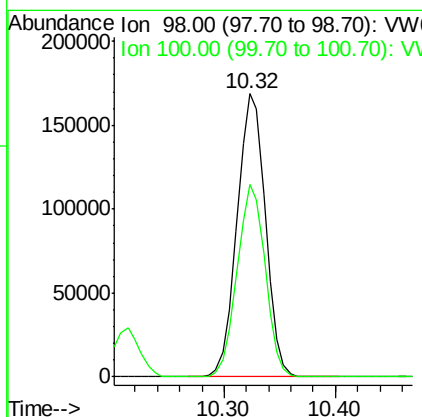
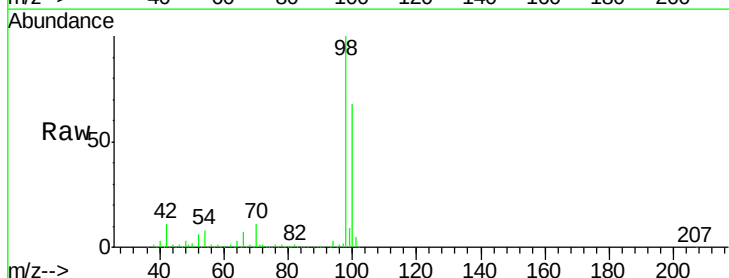
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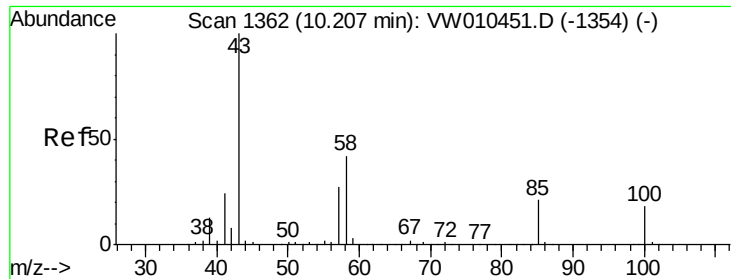
MMDadoda
5/21/2019 11:29:06 AM



#50
Toluene-d8
Concen: 52.696 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	98	Resp	297156
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 261.156 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 254774

Ion Ratio Lower Upper

43 100

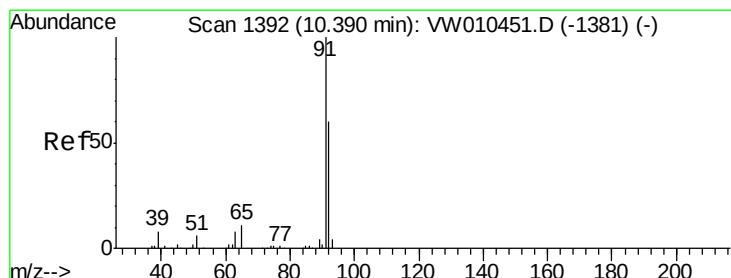
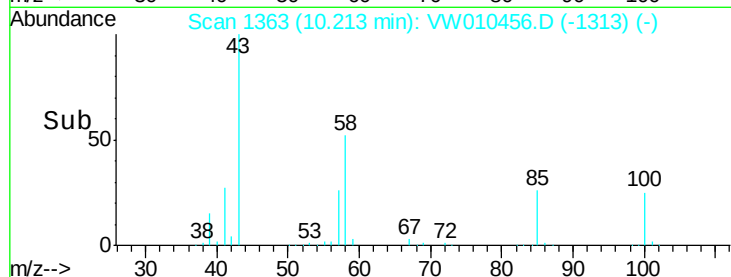
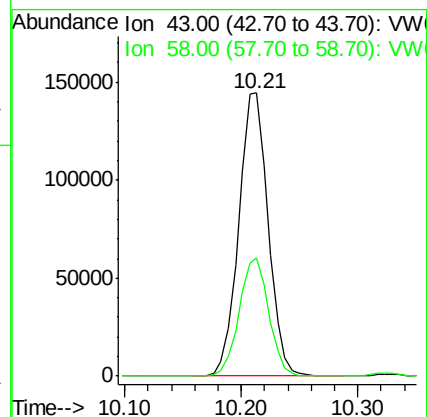
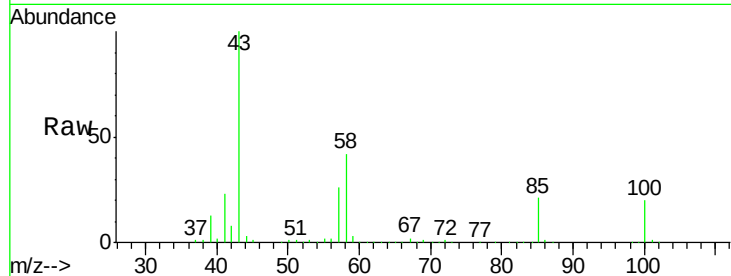
58 41.7 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 54.164 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010456.D

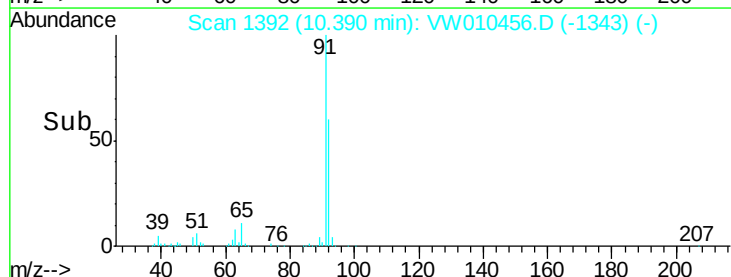
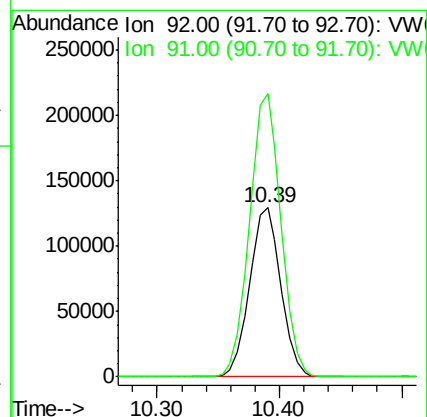
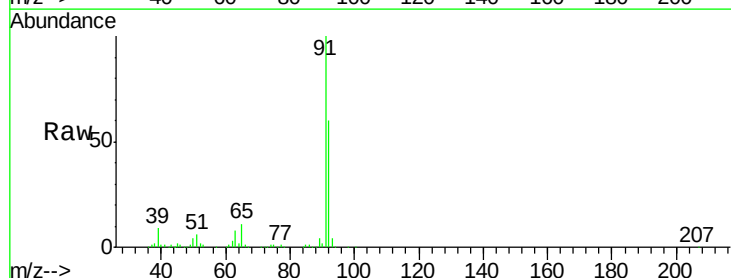
Acq: 20 May 2019 19:14

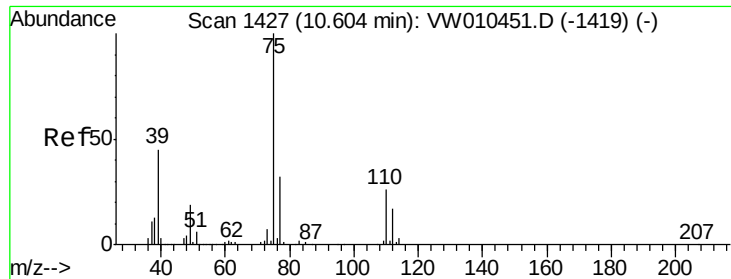
Tgt Ion: 92 Resp: 229115

Ion Ratio Lower Upper

92 100

91 168.4 135.4 203.0





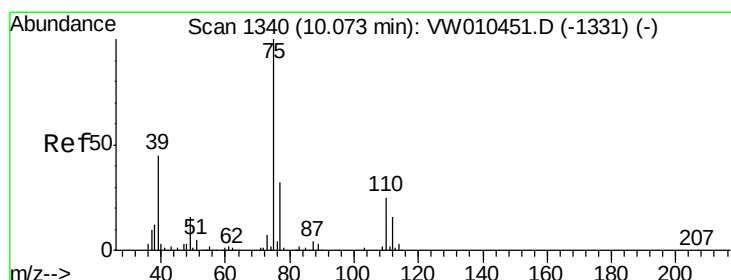
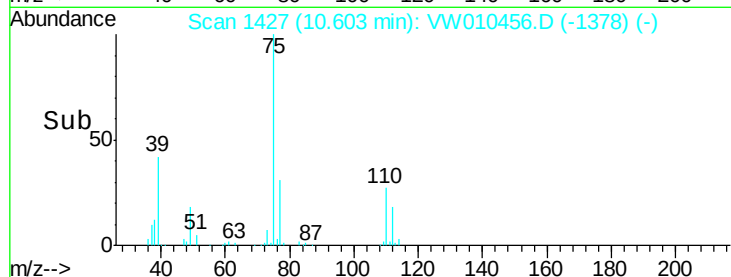
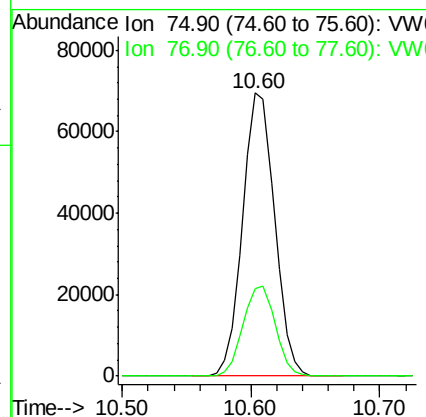
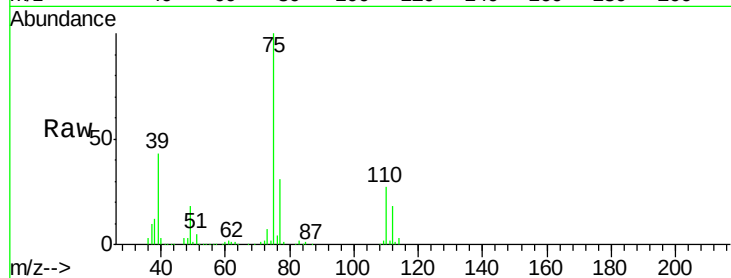
#53
 t-1,3-Dichloropropene
 Concen: 53.725 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 119622
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.0

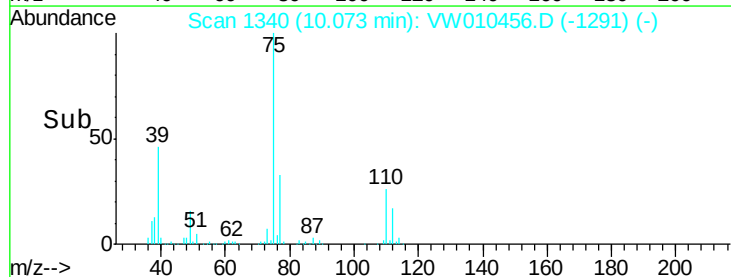
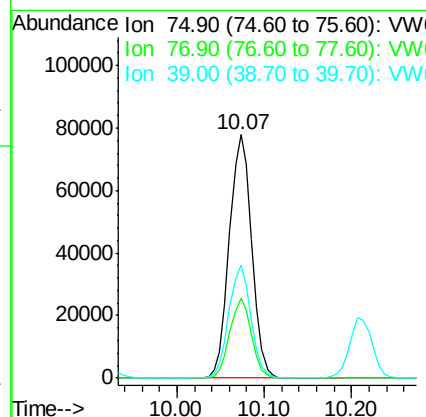
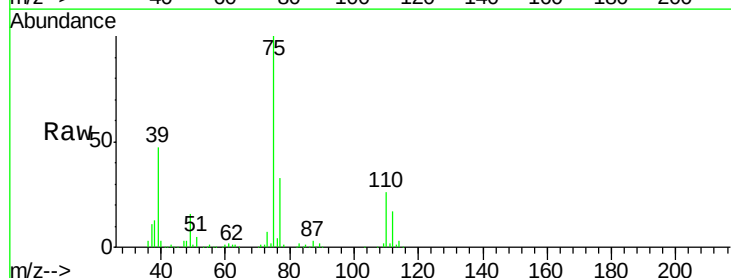
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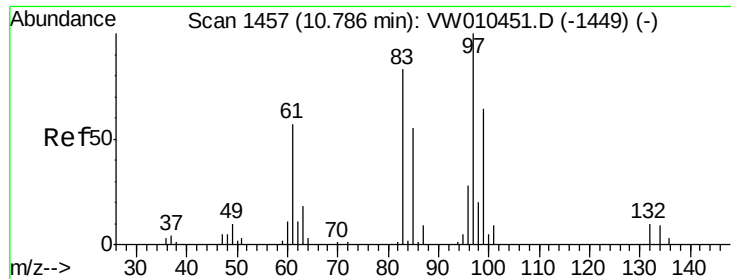
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 54.443 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 75 Resp: 138442
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5
 39 46.4 36.2 54.4





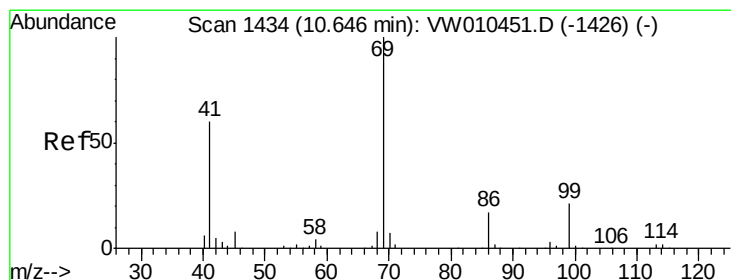
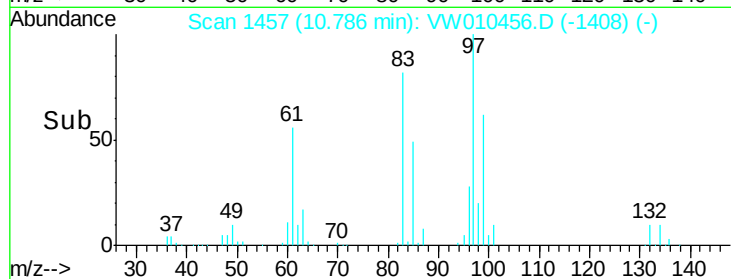
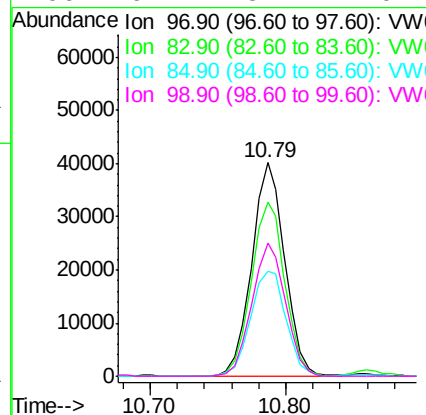
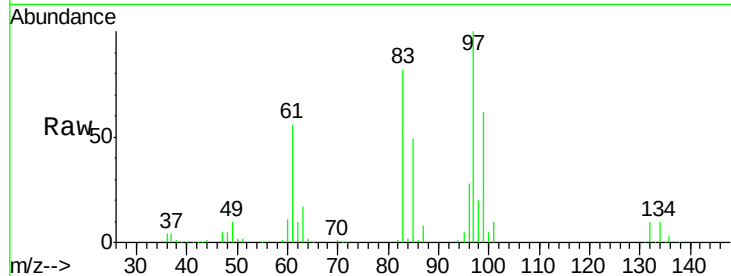
#55
 1,1,2-Trichloroethane
 Concen: 54.190 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		68174		
83	81.5	66.1	99.1		
85	49.5	44.2	66.4		
99	62.1	51.1	76.7		

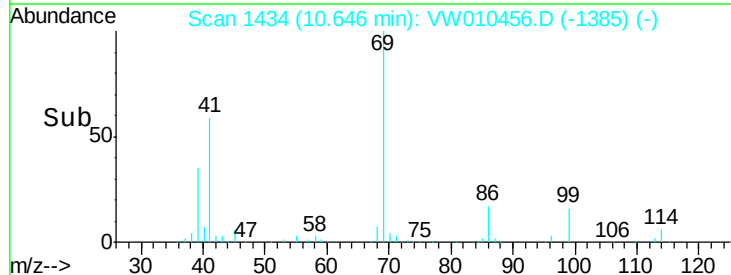
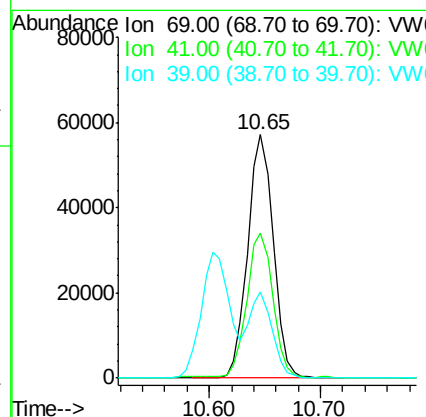
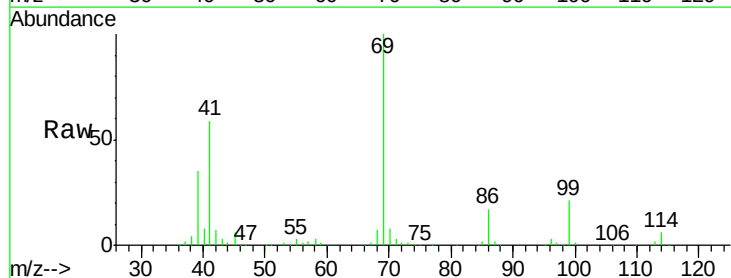
Manual Integrations
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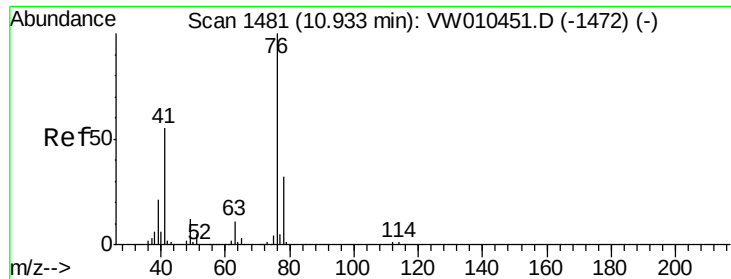
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#56
 Ethyl methacrylate
 Concen: 52.925 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		91828		
41	59.3	47.7	71.5		
39	32.0	25.3	37.9		





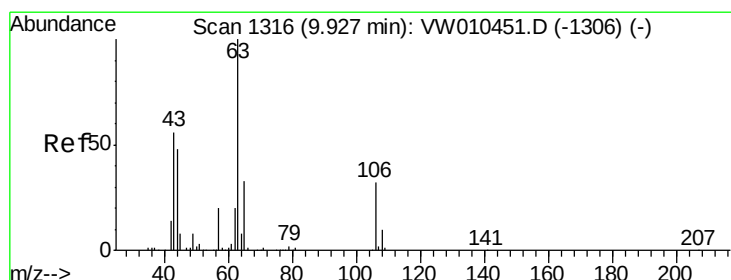
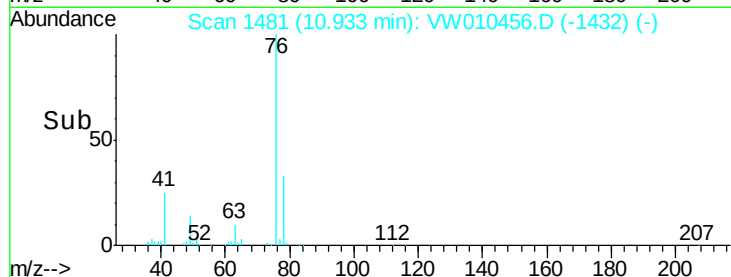
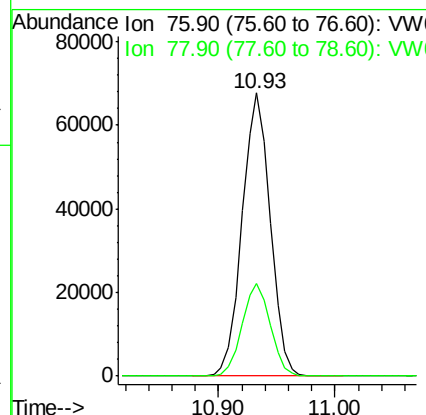
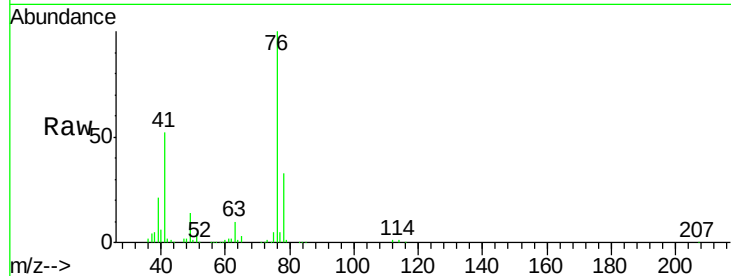
#57
 1,3-Dichloropropane
 Concen: 54.134 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 114078
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

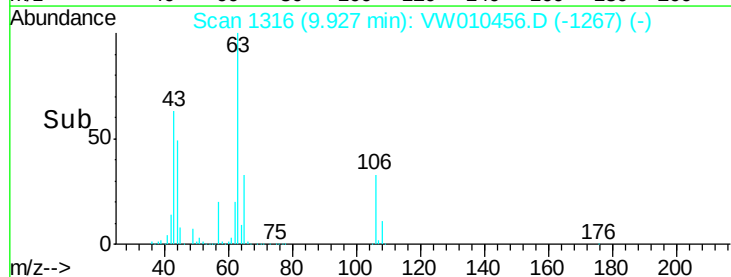
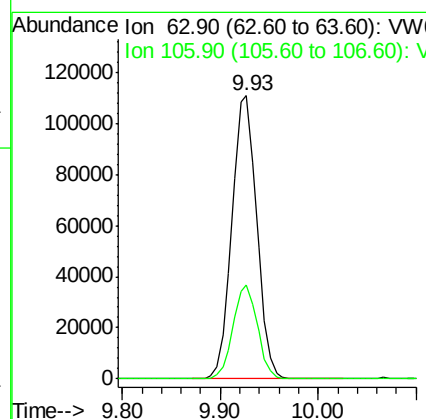
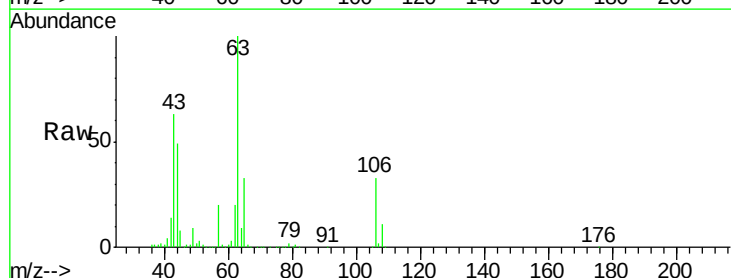
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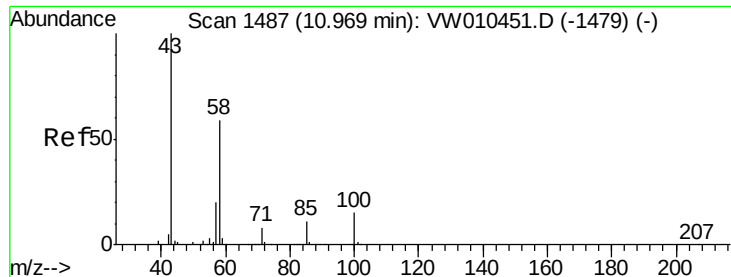
MMDadoda
 5/21/2019 11:29:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.829 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion: 63 Resp: 195070
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.8 38.6





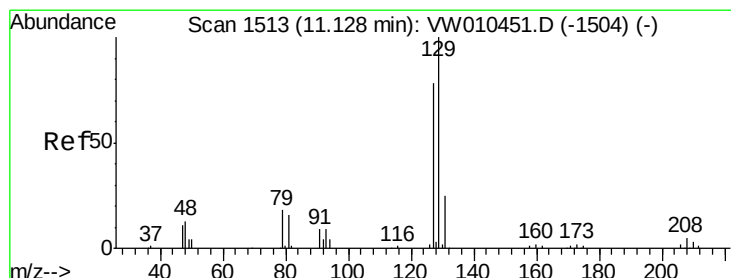
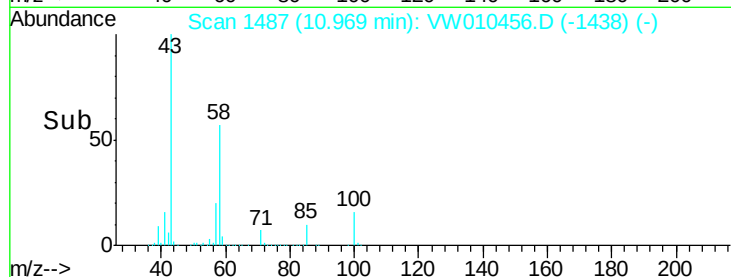
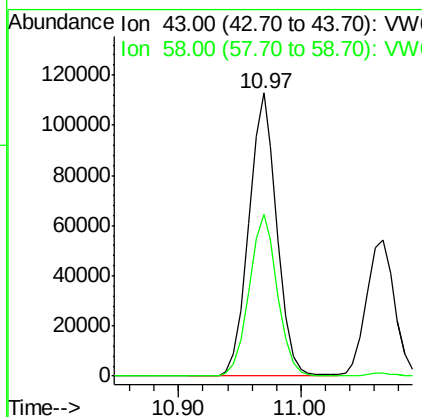
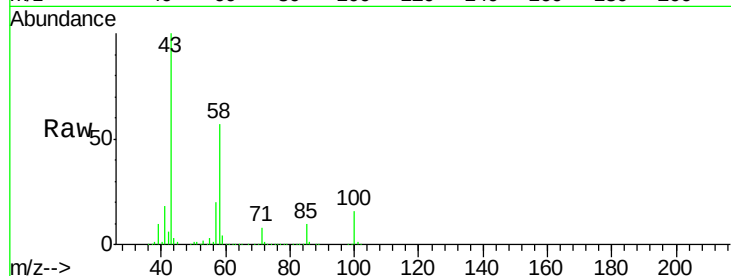
#59
2-Hexanone
Concen: 256.824 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 178728
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8

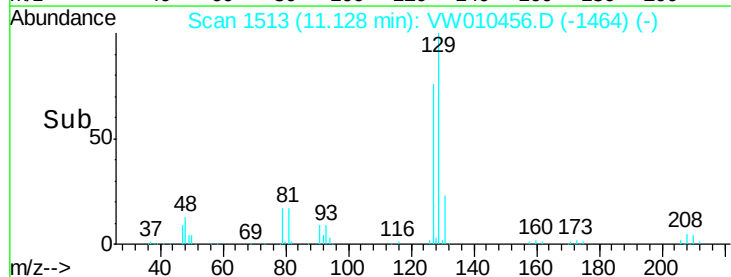
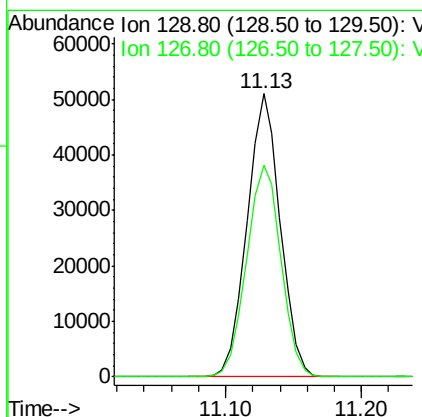
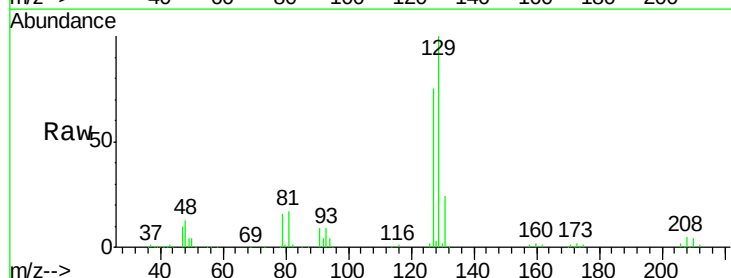
Manual Integrations
APPROVED

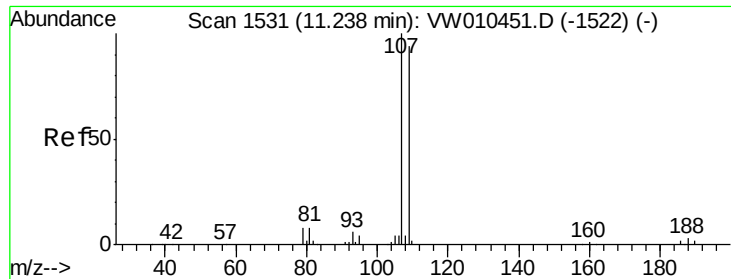
MMDadoda
5/21/2019 11:29:06 AM



#60
Dibromochloromethane
Concen: 54.742 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 129 Resp: 87159
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 54.075 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 68912

Ion Ratio Lower Upper

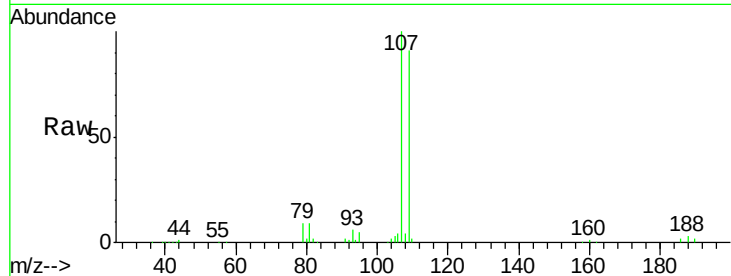
107 100

109 92.7 75.0 112.4

Manual Integrations
APPROVED

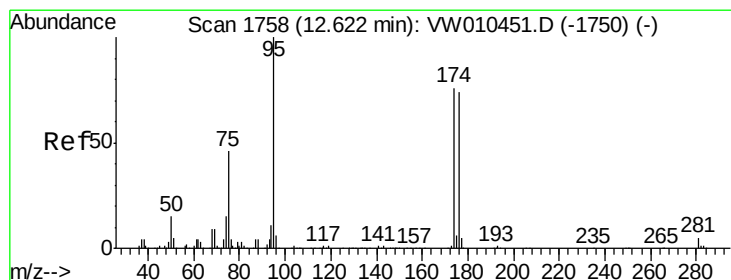
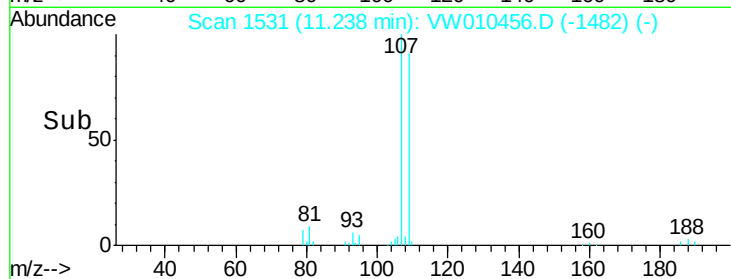
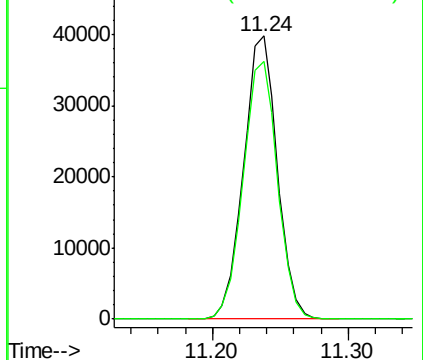
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.675 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

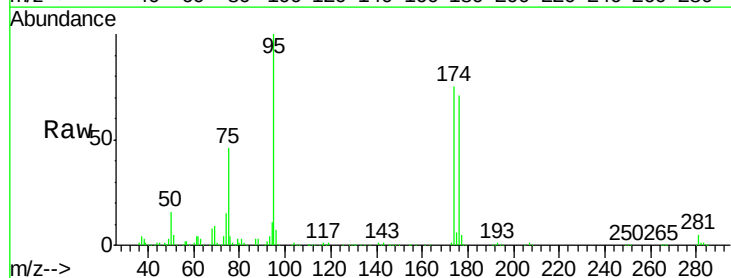
Tgt Ion: 95 Resp: 113824

Ion Ratio Lower Upper

95 100

174 74.0 0.0 148.6

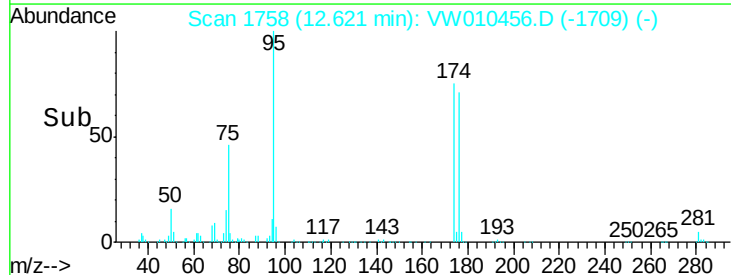
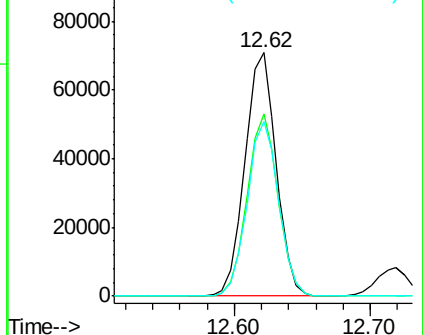
176 72.0 0.0 144.2

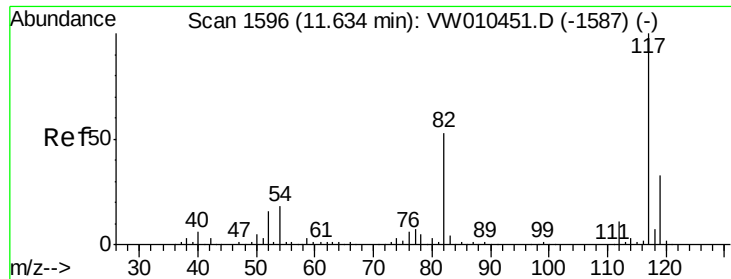


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





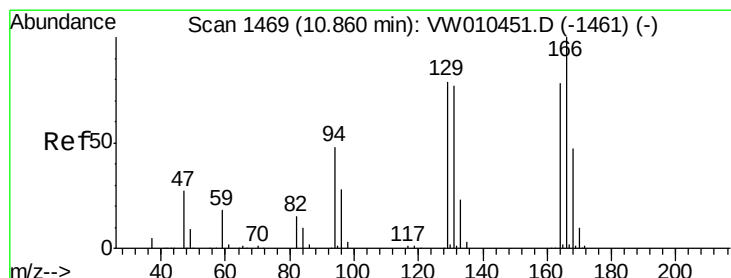
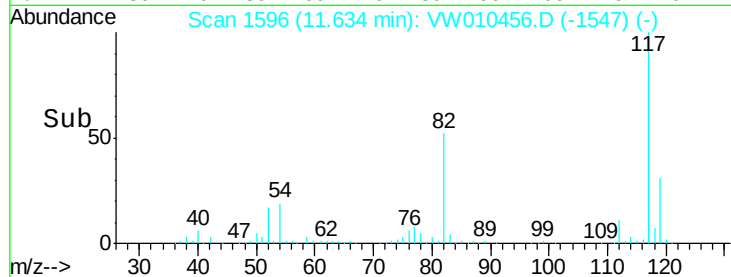
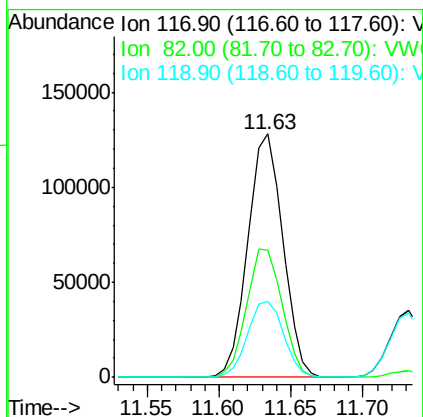
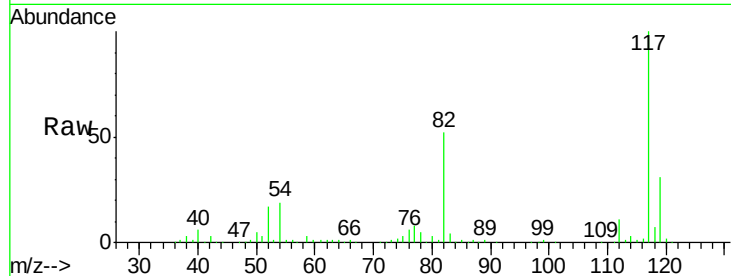
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	215280		
82	52.5		42.8	64.2
119	31.3		26.3	39.5

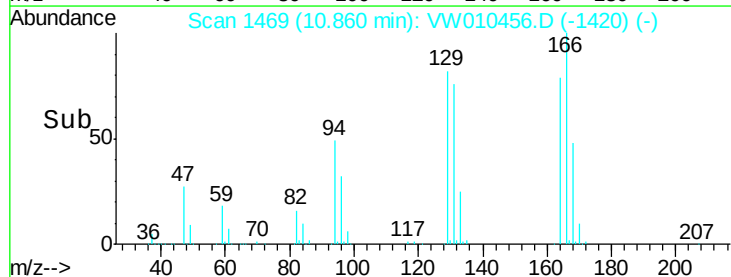
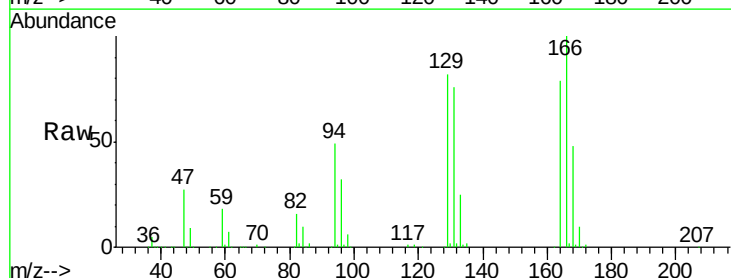
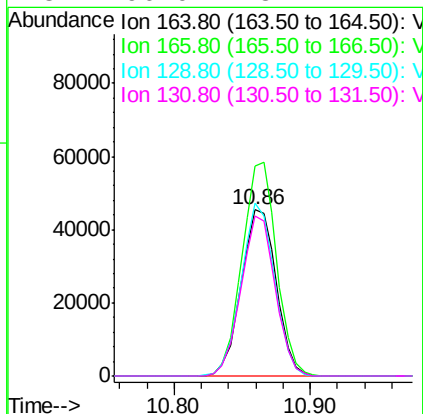
Manual Integrations
APPROVED

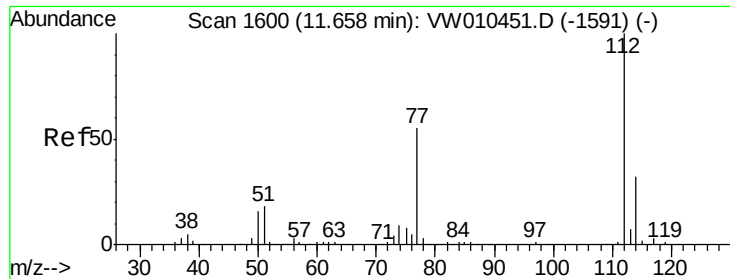
MMDadoda
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#64
Tetrachloroethene
Concen: 54.619 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81967		
166	126.1		101.9	152.9
129	103.6		80.6	121.0
131	96.0		78.2	117.2





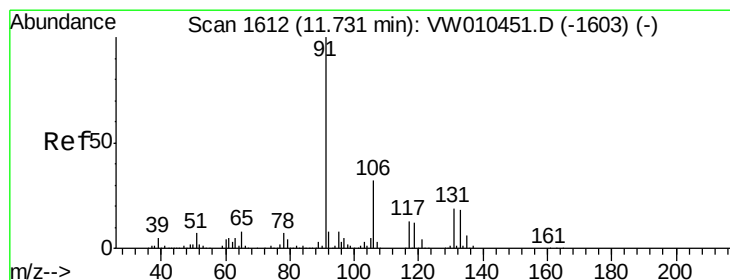
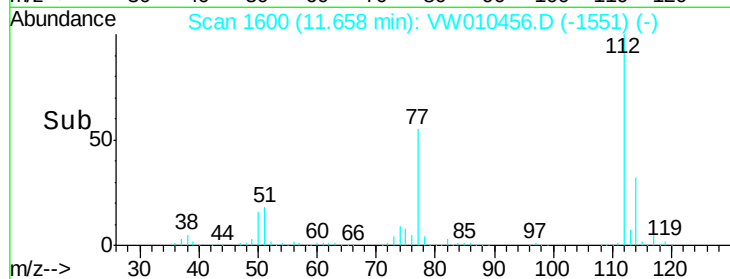
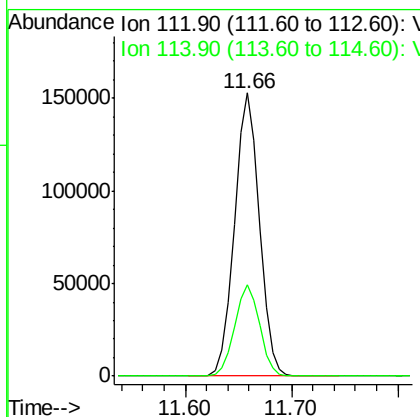
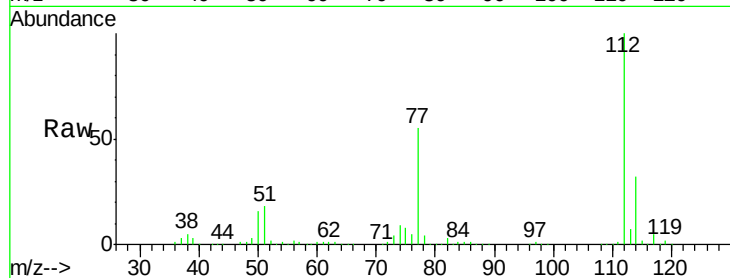
#65
Chlorobenzene
Concen: 54.580 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 250421
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

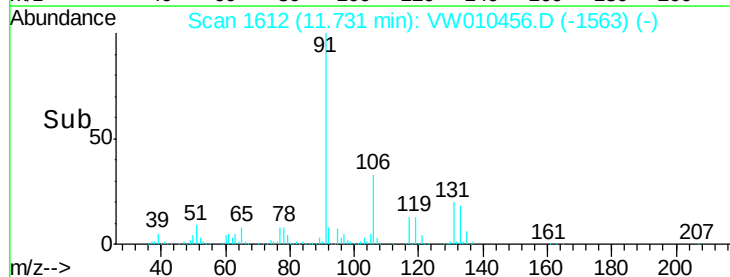
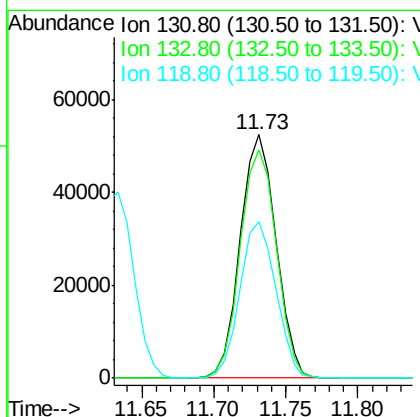
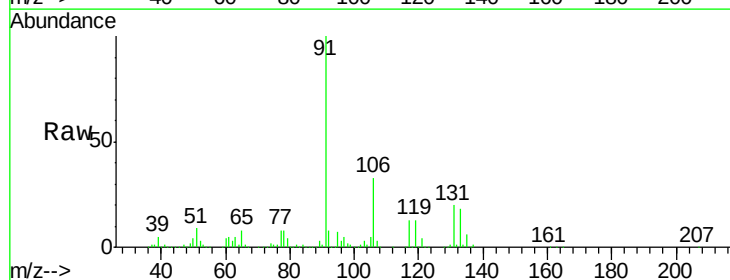
Manual Integrations
APPROVED

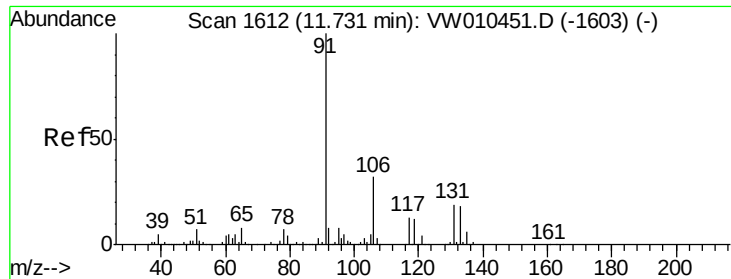
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.056 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion:131 Resp: 90488
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 64.6 32.1 96.5





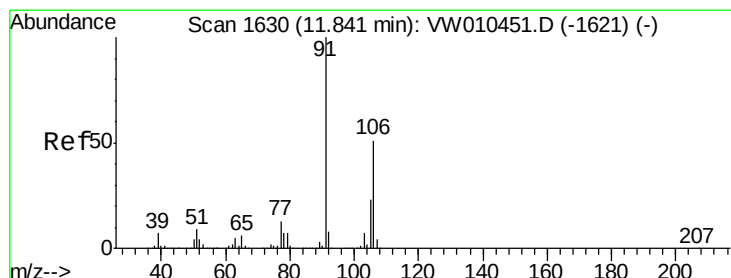
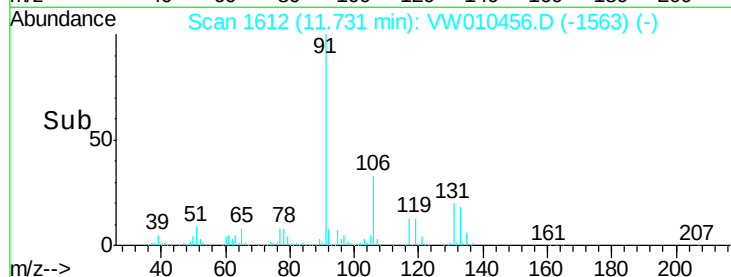
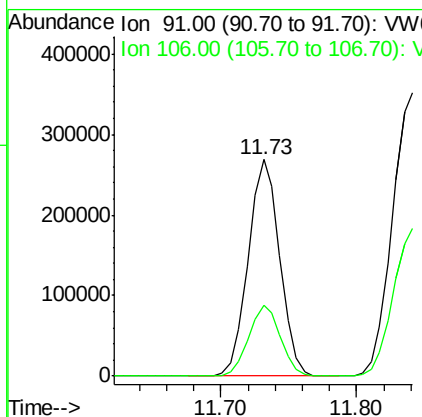
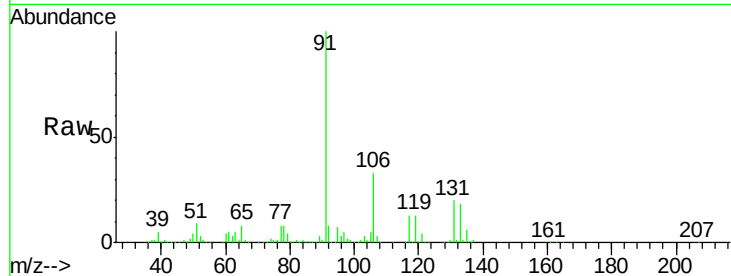
#67
Ethyl Benzene
Concen: 53.897 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	91	Resp	436589
Ion Ratio	100	Lower	Upper
106	32.6	25.9	38.9

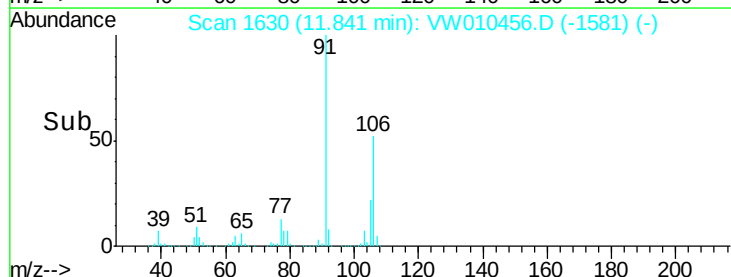
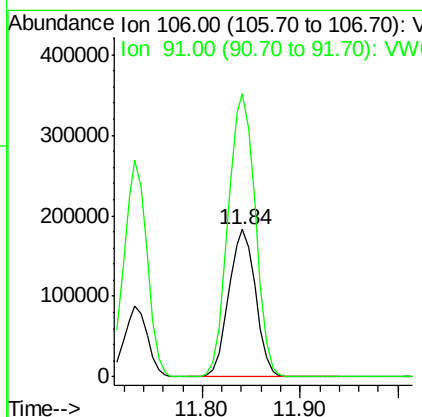
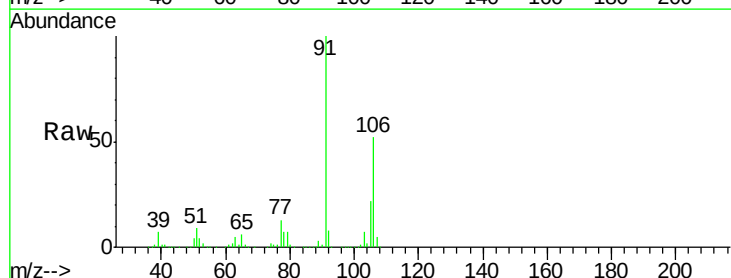
Manual Integrations
APPROVED

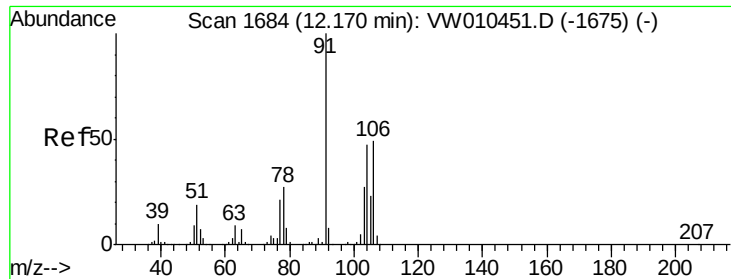
MMDadoda
5/21/2019 11:29:06 AM



#68
m/p-Xylenes
Concen: 108.823 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	106	Resp	345761
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	195.4	156.0	234.0





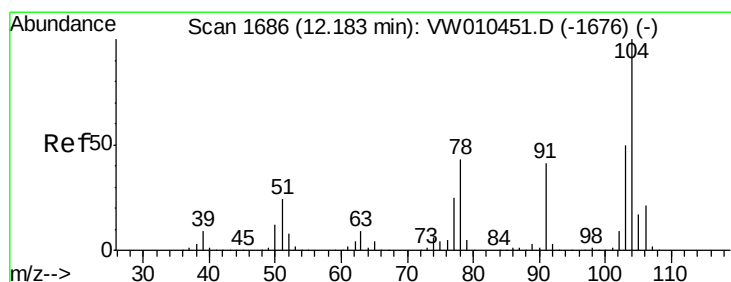
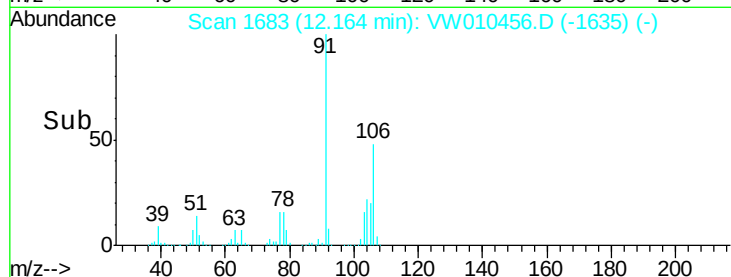
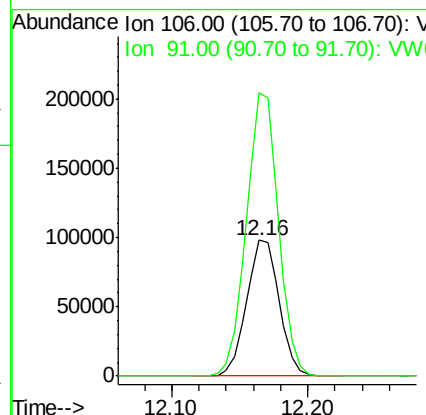
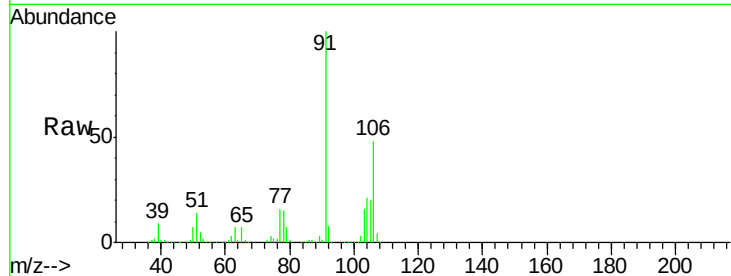
#69
o-Xylene
Concen: 54.573 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 164280
Ion Ratio Lower Upper
106 100
91 205.3 103.2 309.4

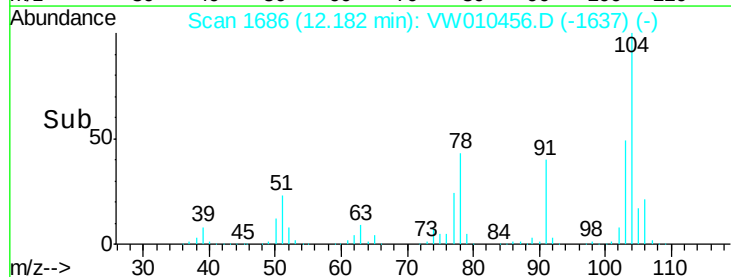
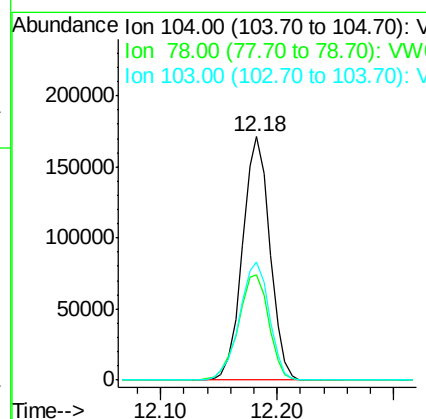
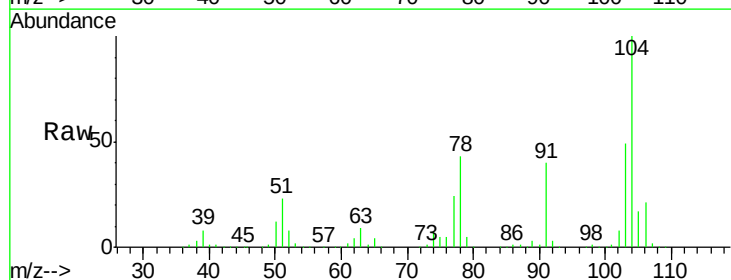
Manual Integrations
APPROVED

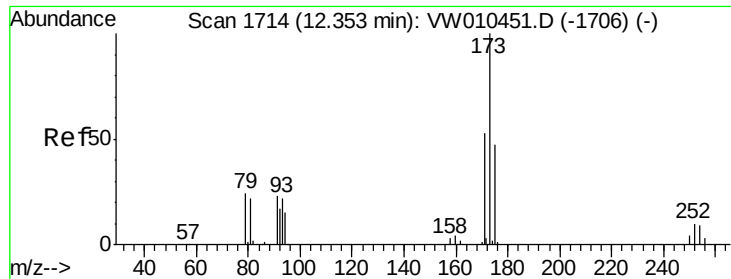
MMDadoda
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#70
Styrene
Concen: 55.079 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion:104 Resp: 281323
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.4
103 52.8 43.0 64.6





#71

Bromoform

Concen: 55.572 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 50297

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

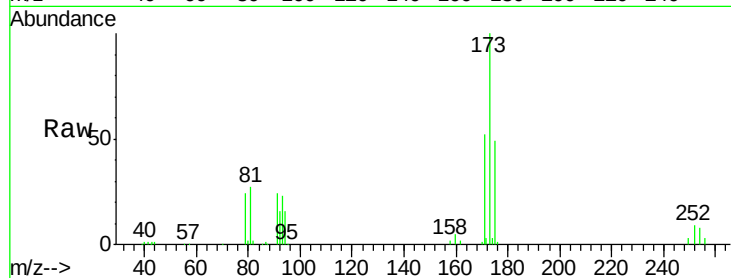
254 0.1 0.0 0.0#

Manual Integrations

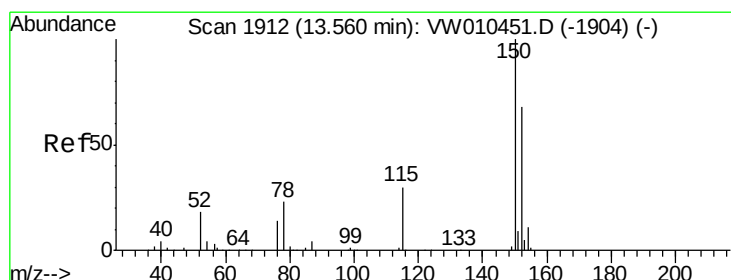
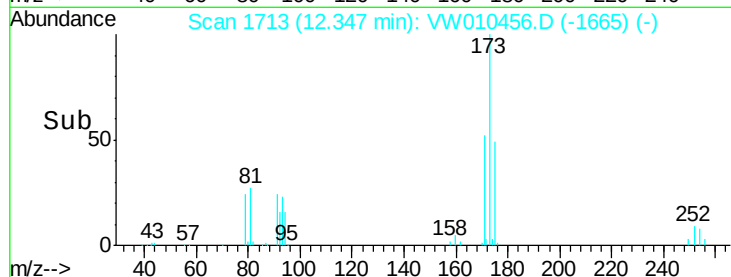
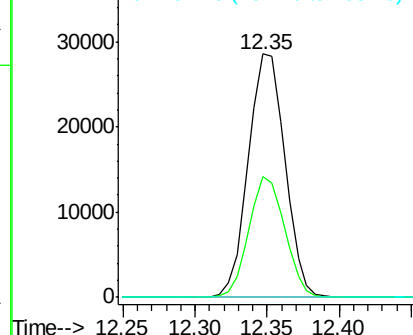
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

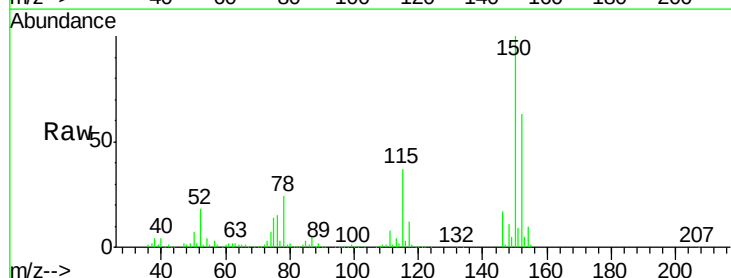
Tgt Ion:152 Resp: 105137

Ion Ratio Lower Upper

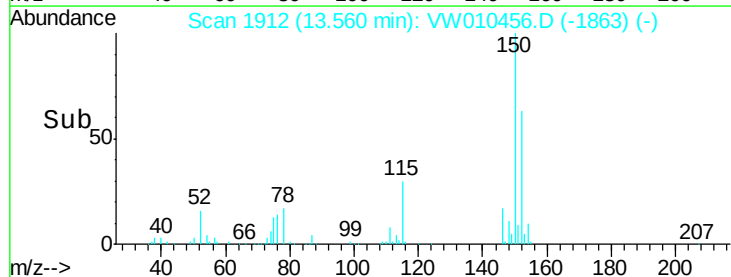
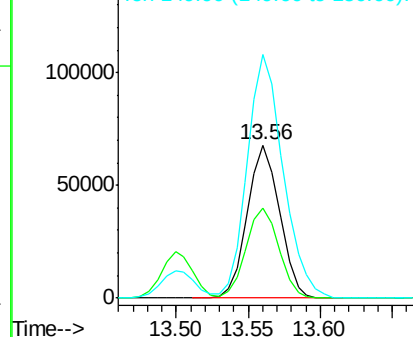
152 100

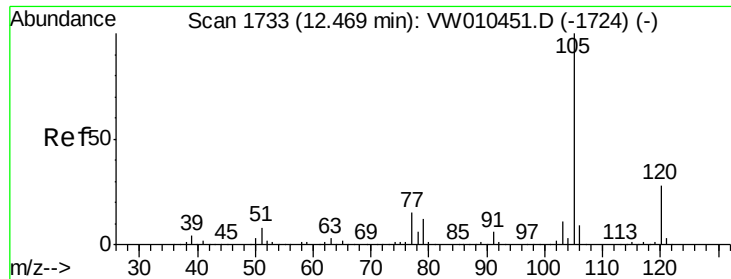
115 59.6 30.3 91.0

150 177.4 0.0 349.8



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





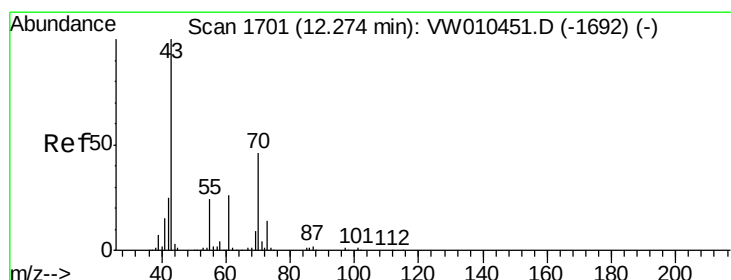
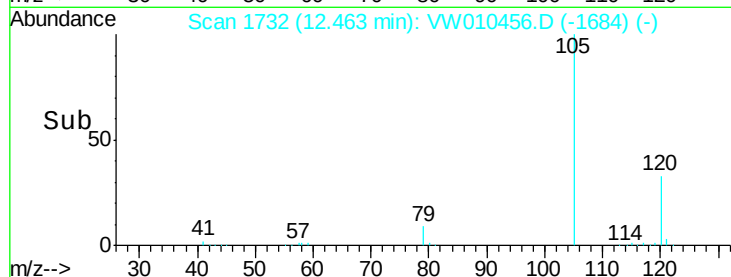
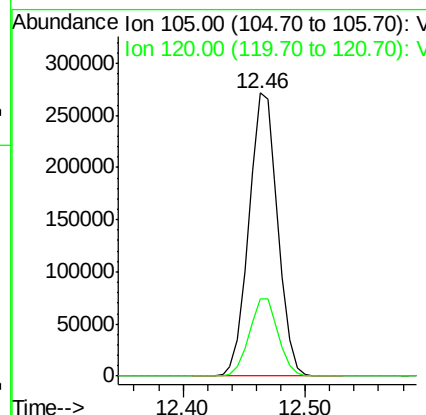
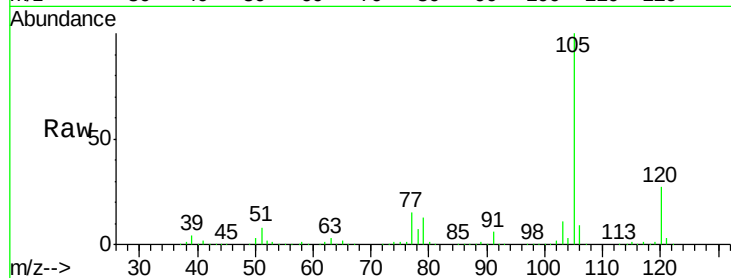
#73
Isopropylbenzene
Concen: 53.020 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 442341
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.7

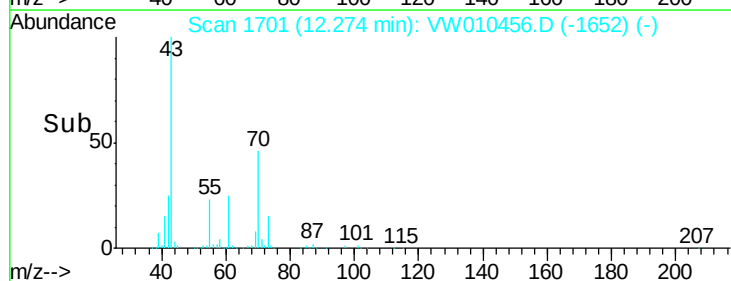
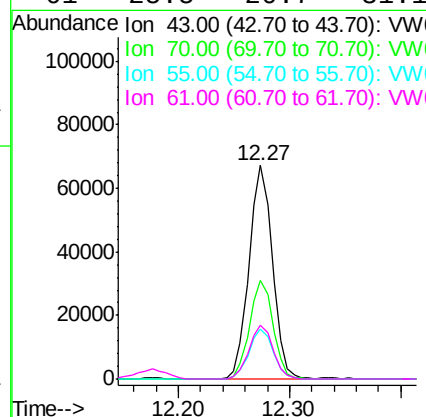
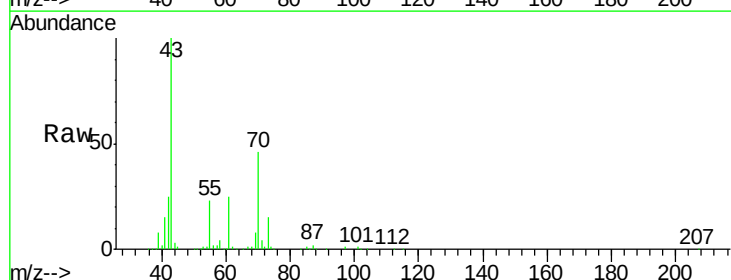
Manual Integrations
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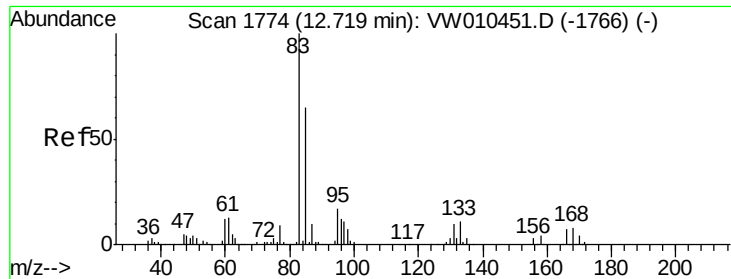
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#74
N-ethyl acetate
Concen: 51.745 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion: 43 Resp: 98927
Ion Ratio Lower Upper
43 100
70 46.5 37.1 55.7
55 24.3 19.6 29.4
61 25.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.137 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

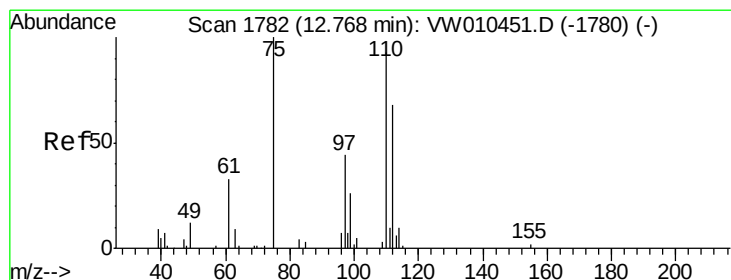
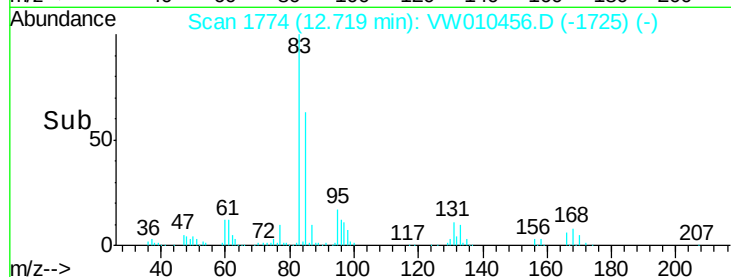
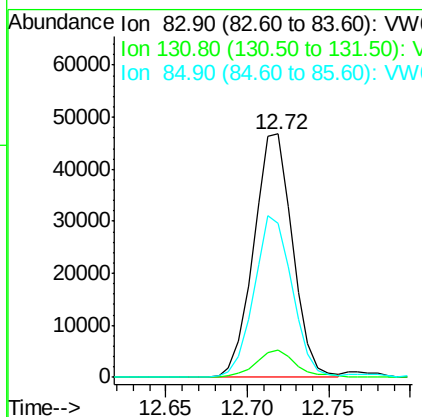
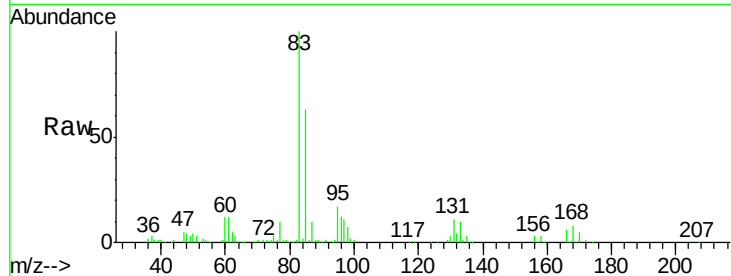
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	77599
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.6	16.8
85	64.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.608 ug/l m

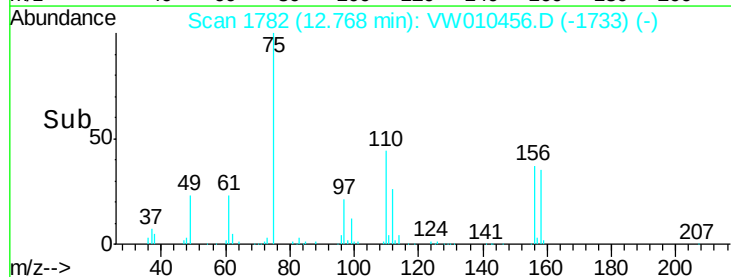
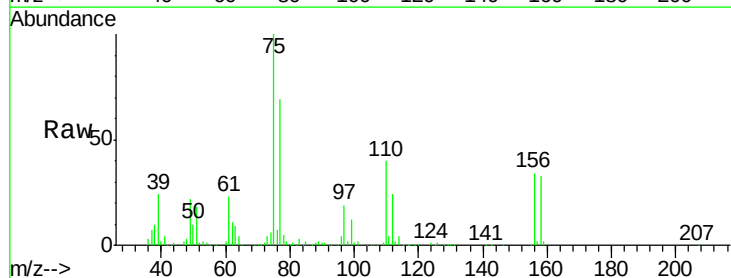
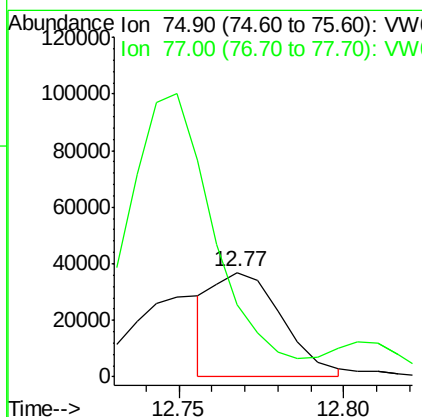
RT: 12.77 min Scan# 1782

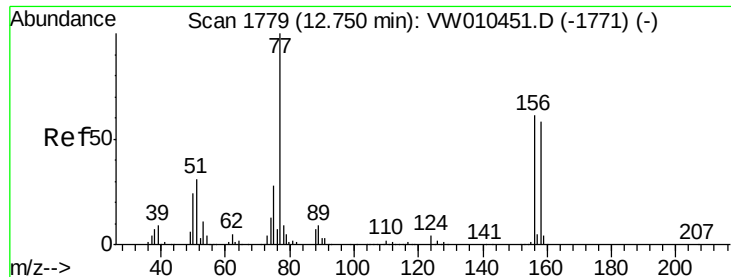
Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion:	75	Resp:	54009
Ion	Ratio	Lower	Upper
75	100		
77	344.0	170.0	510.1





#77

Bromobenzene

Concen: 54.297 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

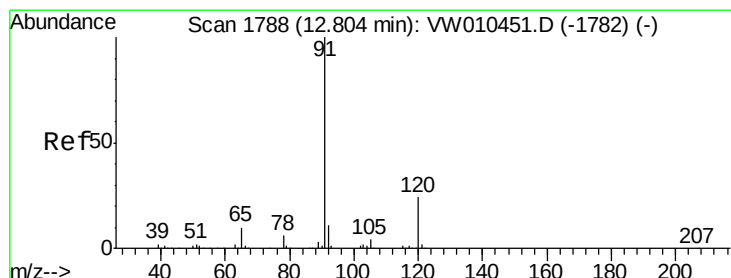
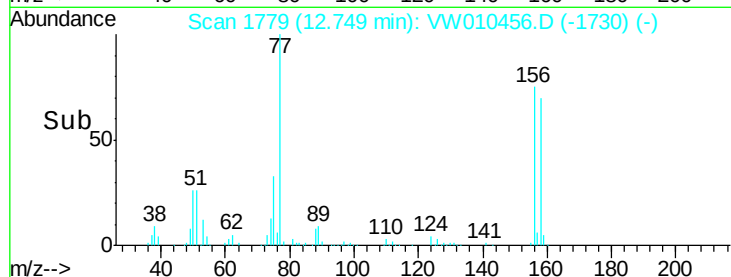
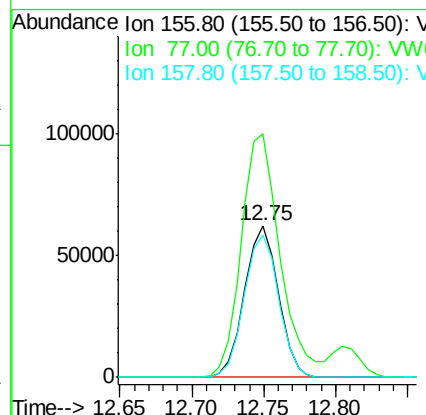
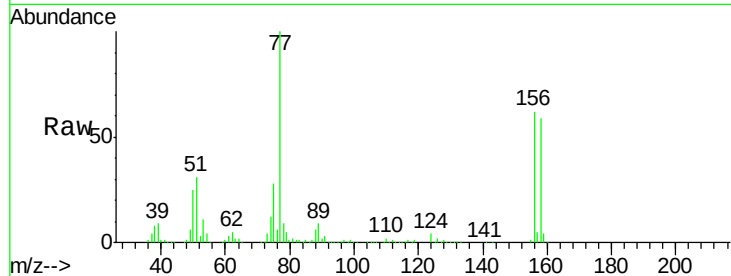
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.3	92.4	277.2
158	96.1	48.3	144.8

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#78

n-propylbenzene

Concen: 52.956 ug/l

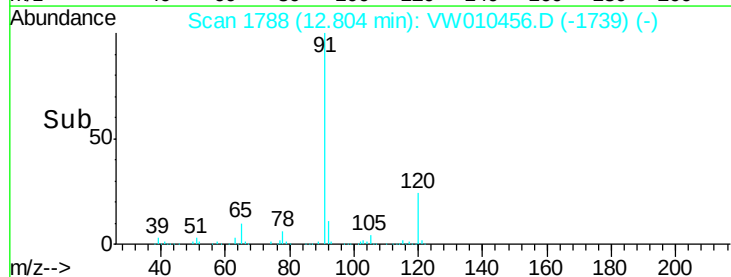
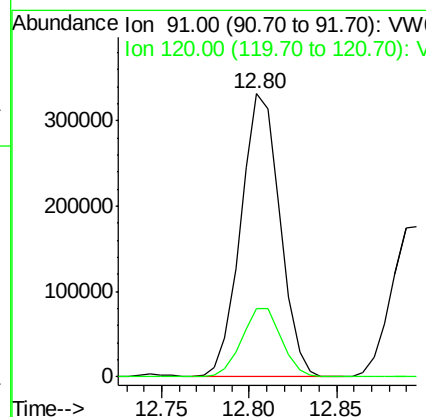
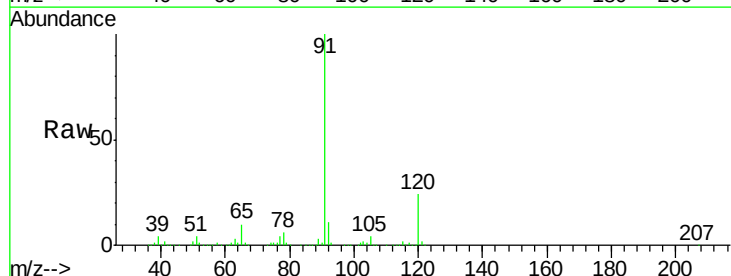
RT: 12.80 min Scan# 1788

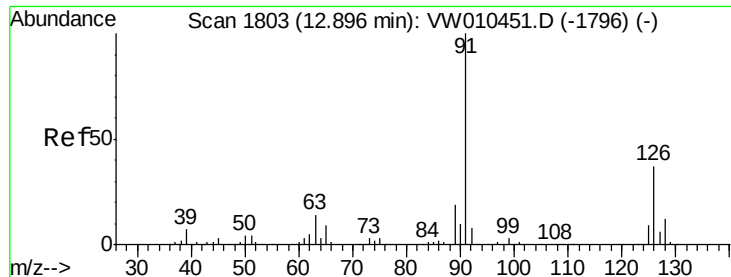
Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.8





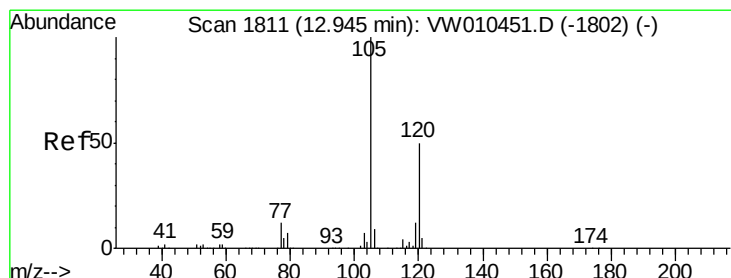
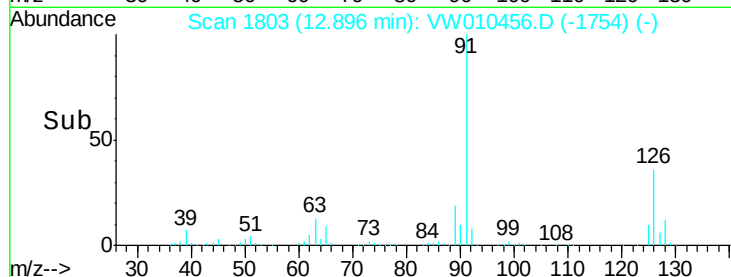
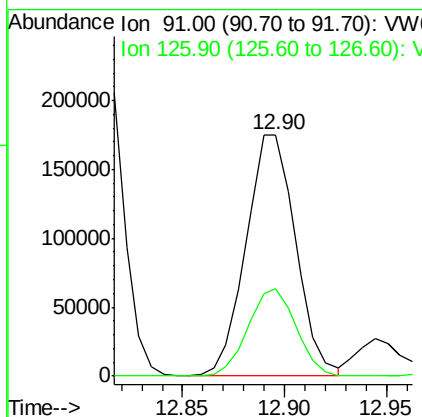
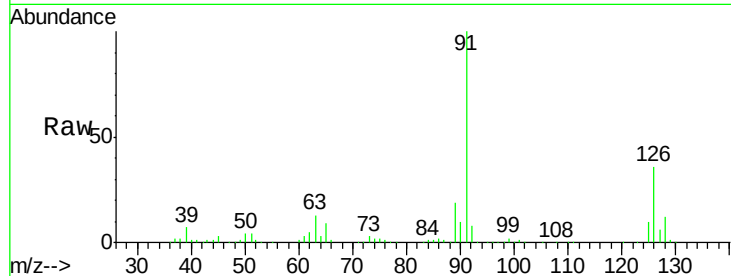
#79
 2-Chlorotoluene
 Concen: 52.596 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3

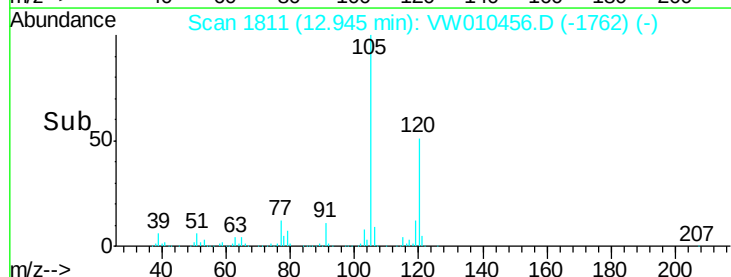
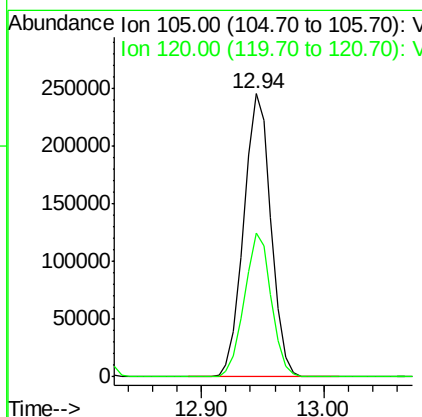
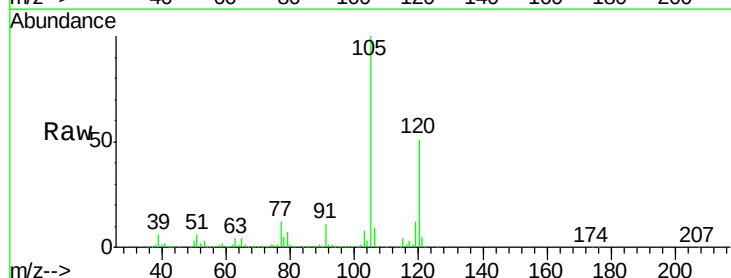
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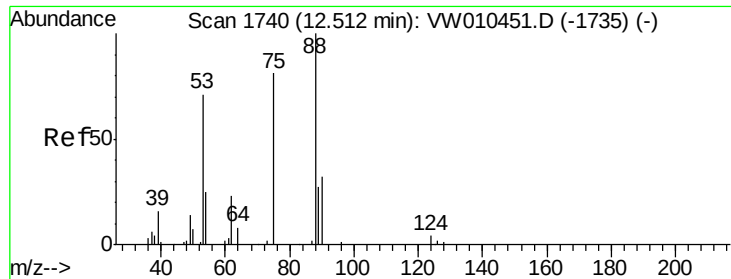
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.581 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.2	75.6





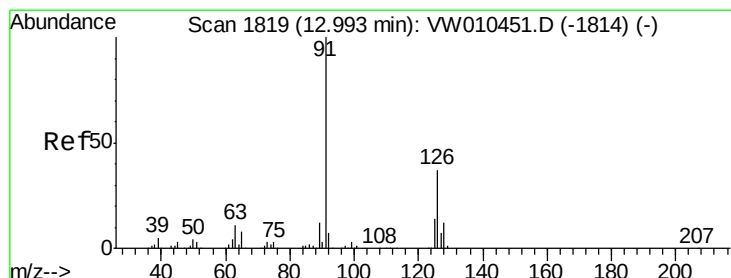
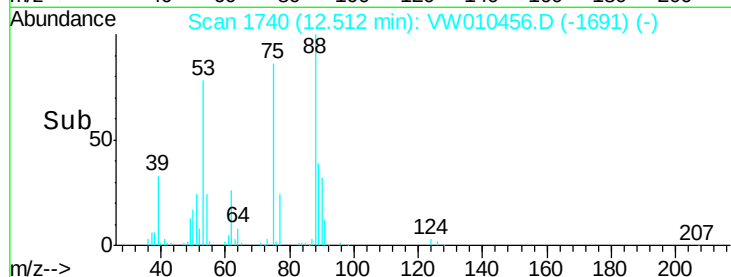
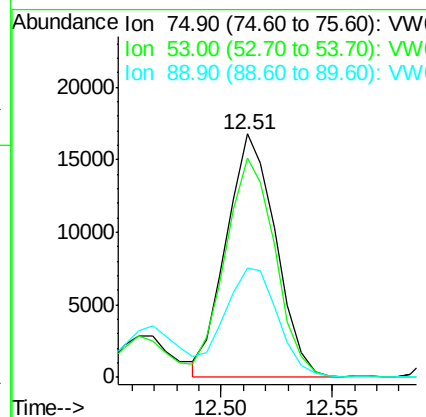
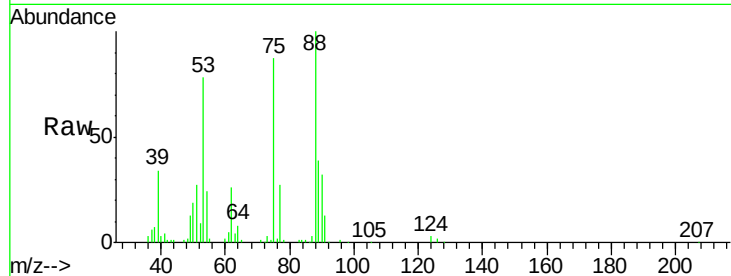
#81
trans-1,4-Dichloro-2-butene
Concen: 50.337 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	69.8	104.8
89	49.0	39.5	59.3

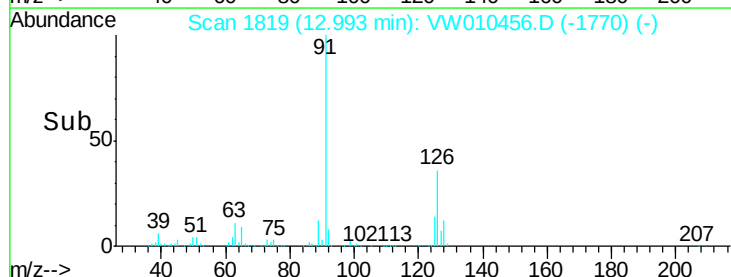
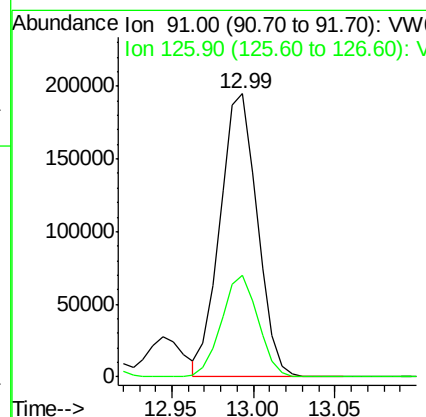
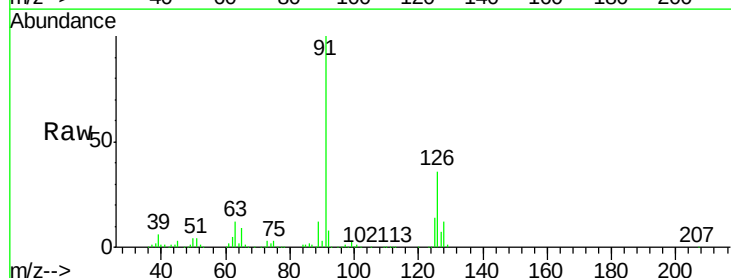
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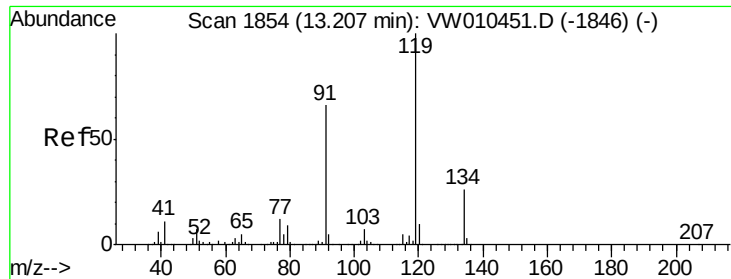
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#82
4-Chlorotoluene
Concen: 53.016 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.6





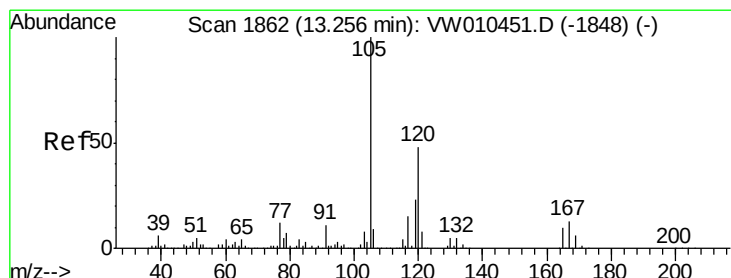
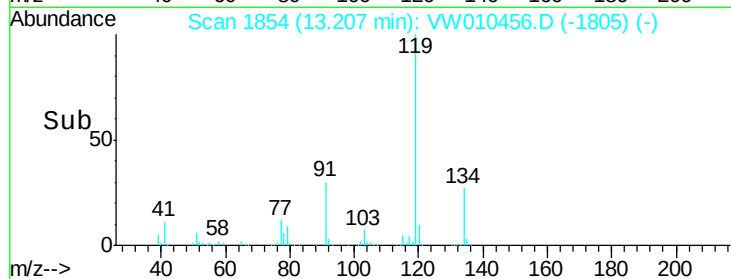
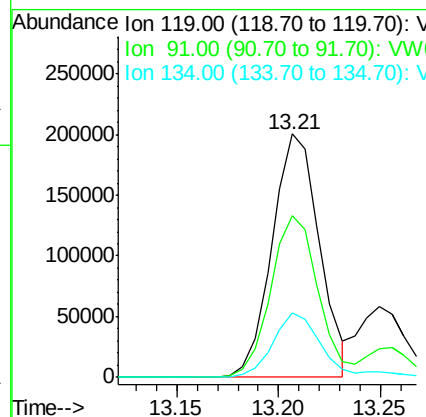
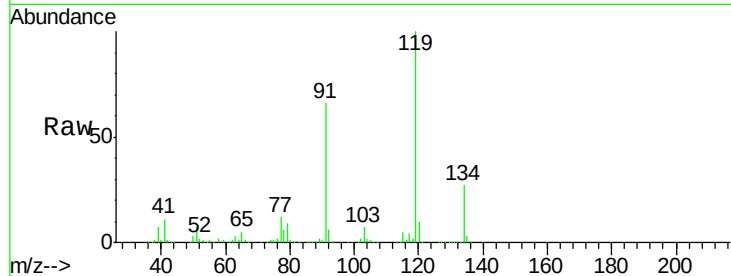
#83
 tert-Butylbenzene
 Concen: 52.617 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.1	99.5
134	27.9	13.9	41.6

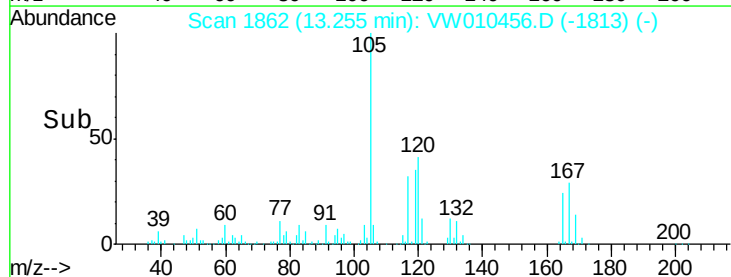
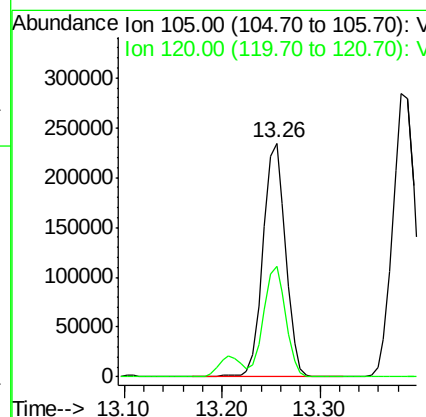
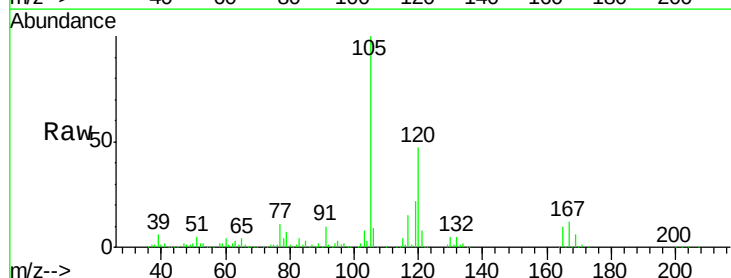
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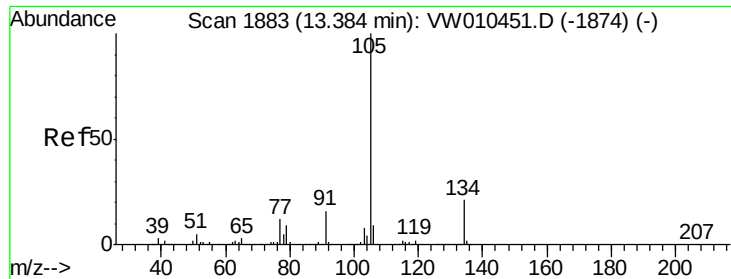
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.217 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.2





#85

sec-Butylbenzene

Concen: 52.838 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 456391

Ion Ratio Lower Upper

105 100

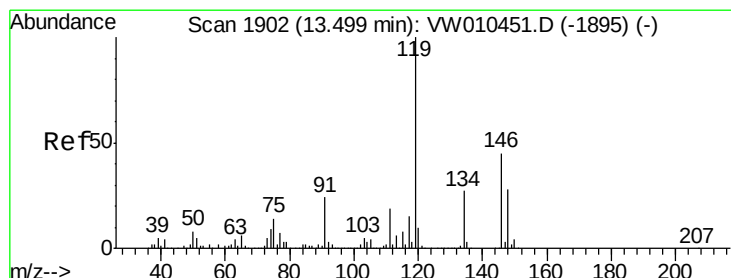
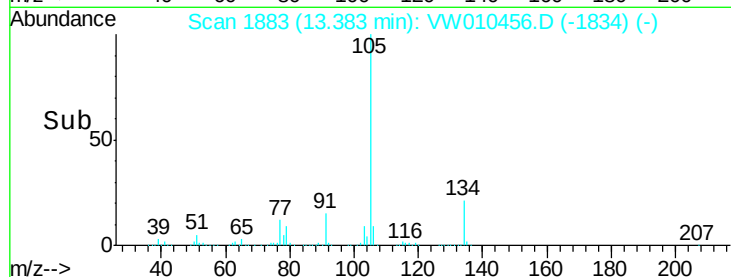
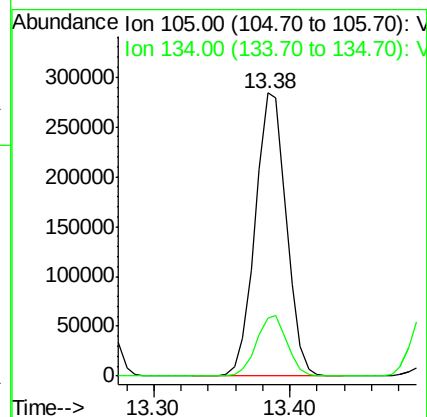
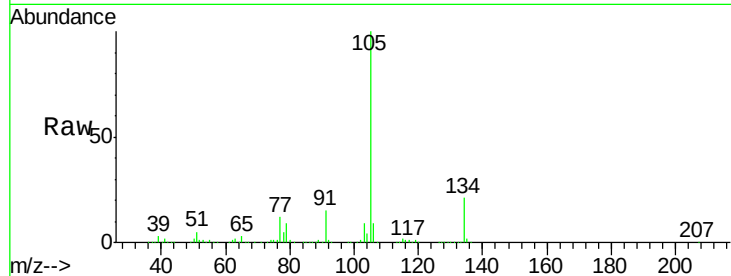
134 21.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 53.066 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010456.D

Acq: 20 May 2019 19:14

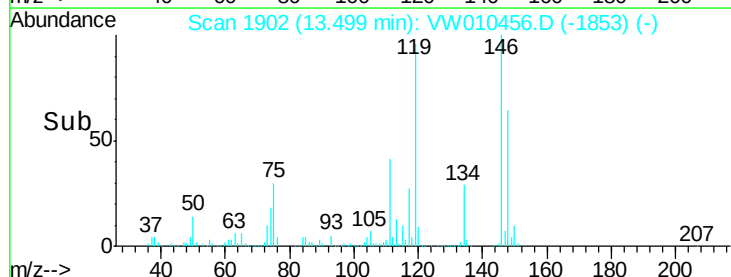
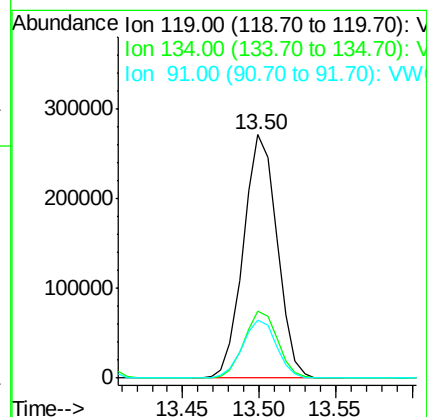
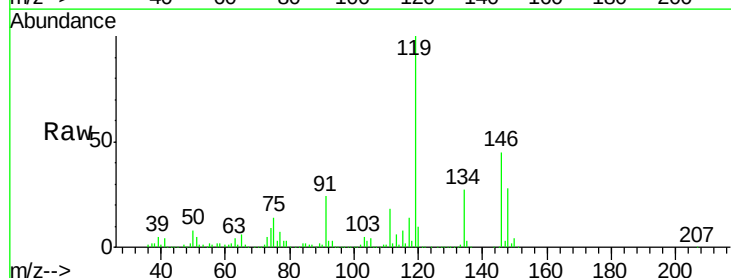
Tgt Ion:119 Resp: 414878

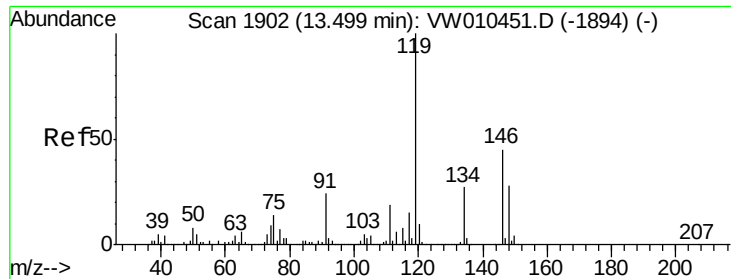
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 24.1 11.9 35.7





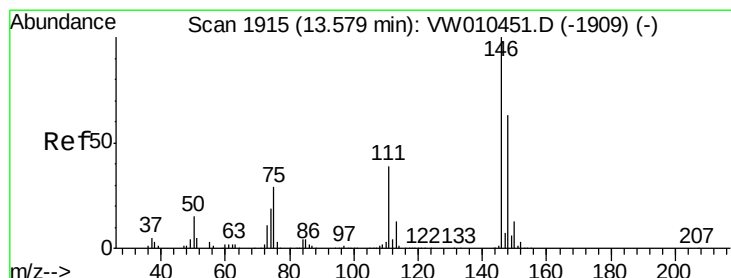
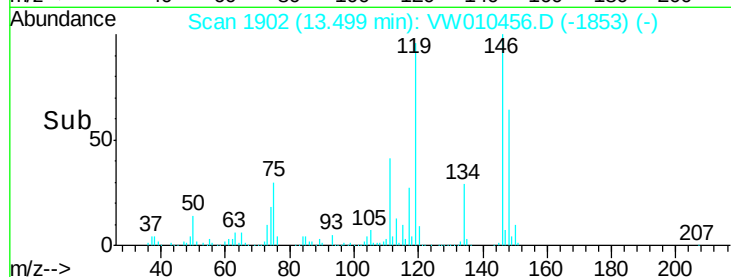
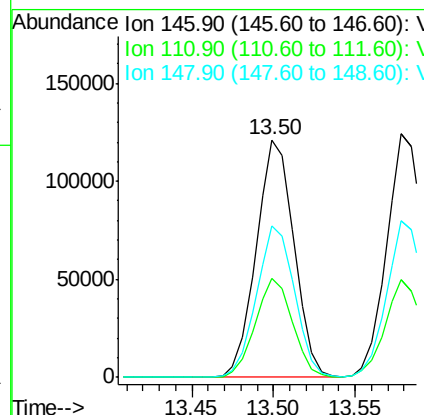
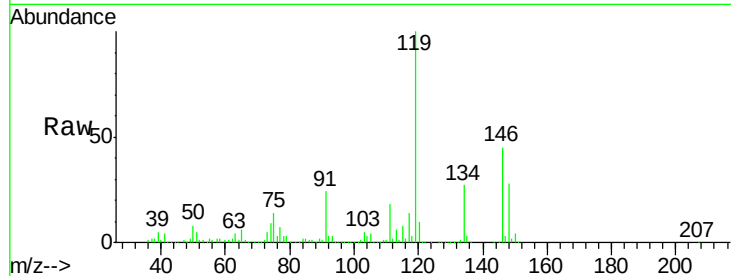
#87
 1,3-Dichlorobenzene
 Concen: 53.320 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.9
148	64.2	31.6	94.8

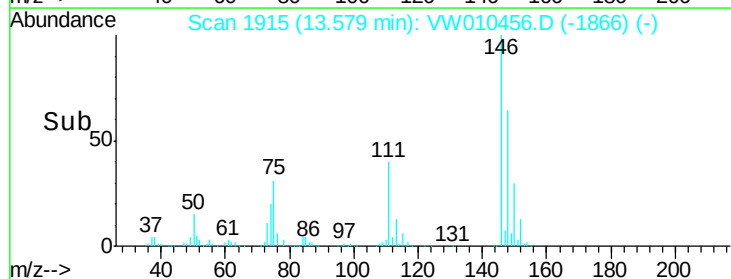
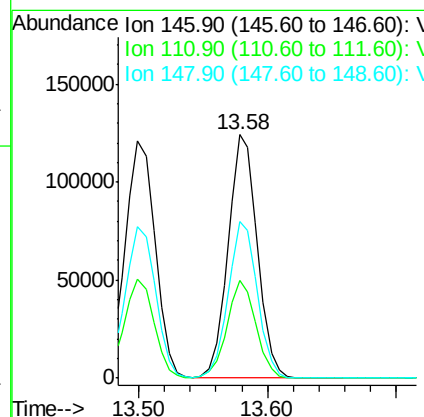
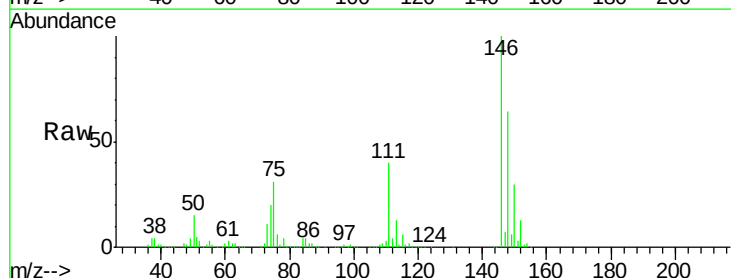
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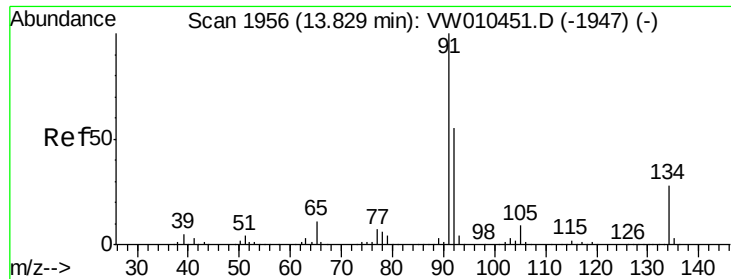
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#88
 1,4-Dichlorobenzene
 Concen: 53.692 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	64.0	31.6	94.8





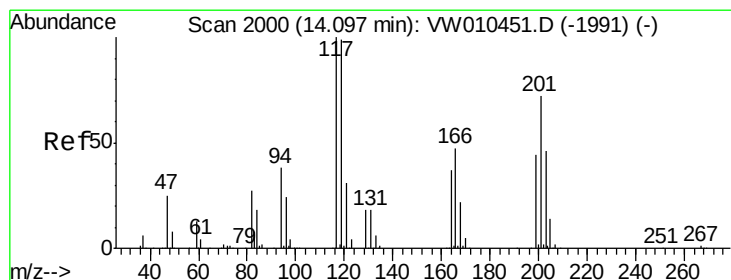
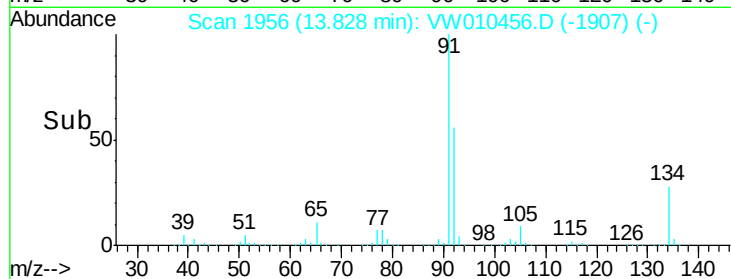
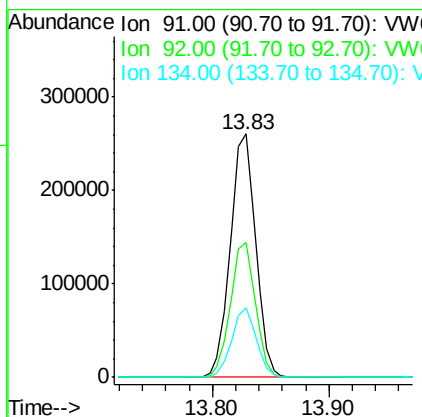
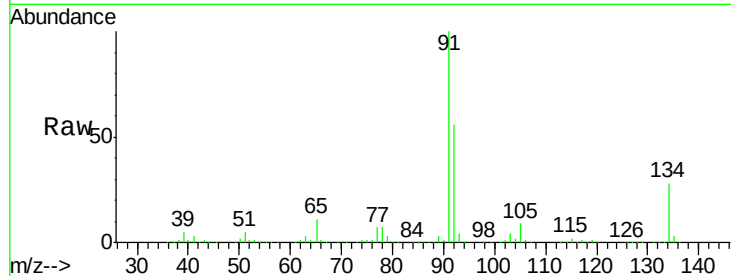
#89
n-Butylbenzene
Concen: 53.242 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	395936		
92	54.8	27.7	83.1	
134	27.8	13.9	41.6	

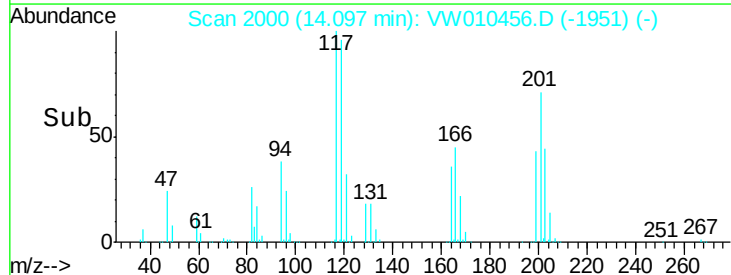
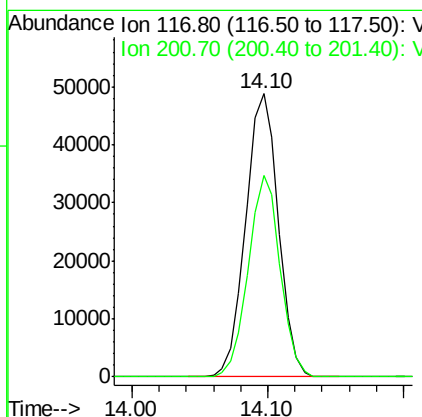
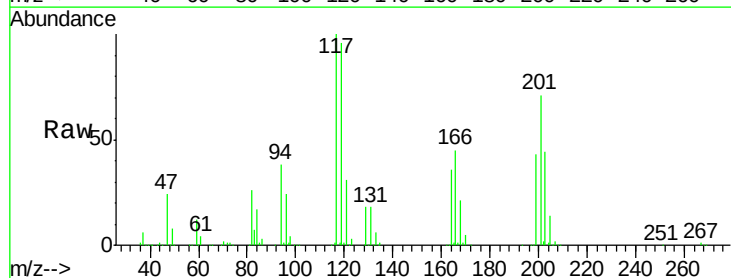
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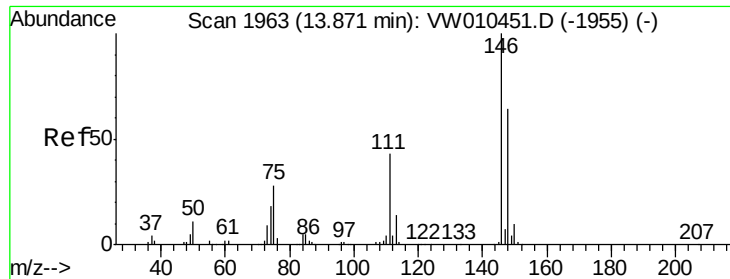
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#90
Hexachloroethane
Concen: 54.235 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82072		
201	69.7	34.6	103.8	





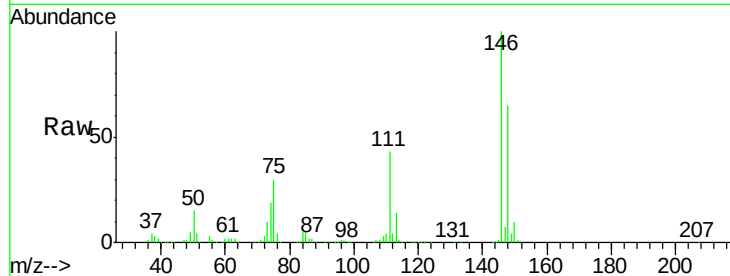
#91
 1,2-Dichlorobenzene
 Concen: 53.468 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	64.0	32.0	96.0

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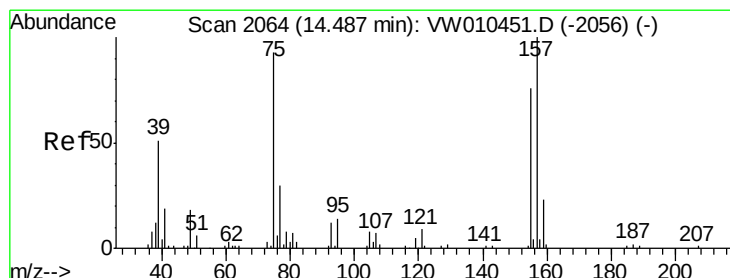
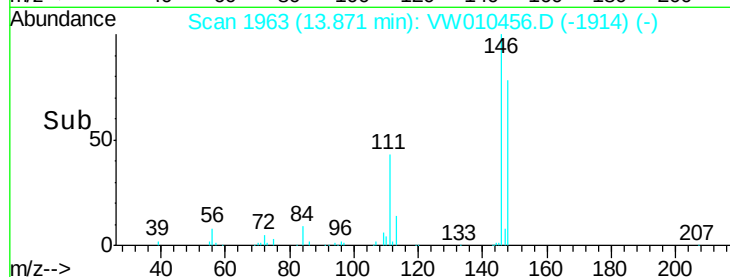
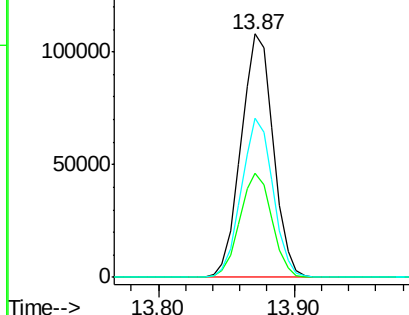


Abundance

Ion 145.90 (145.60 to 146.60): V

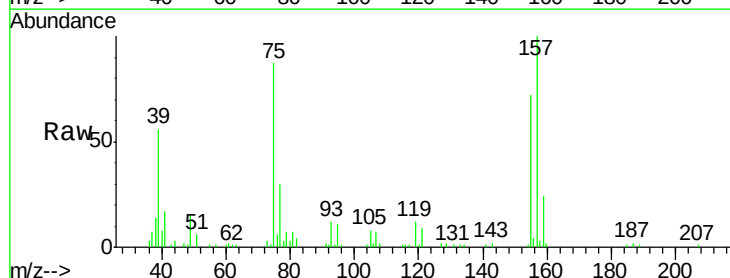
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.027 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	43.0	129.0
157	111.0	55.7	167.1

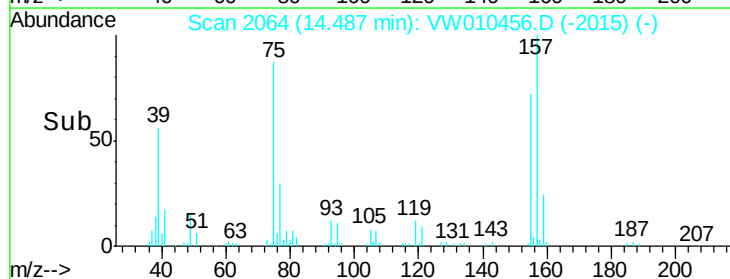
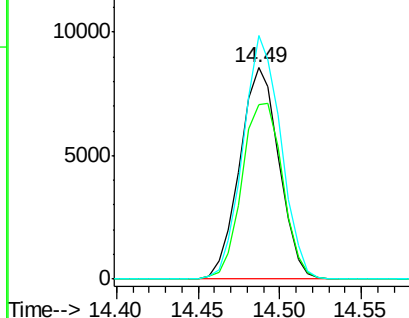


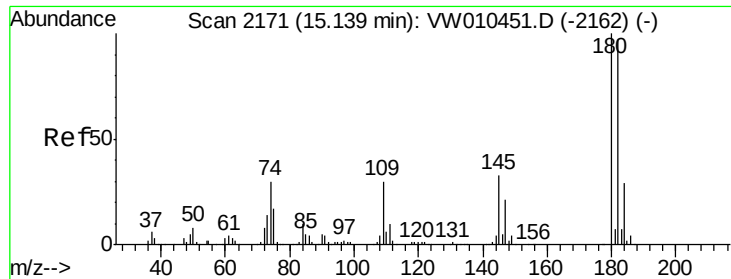
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





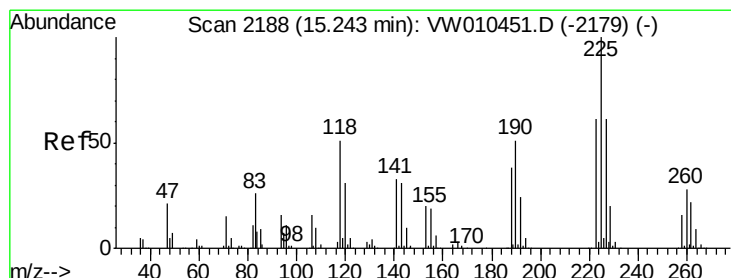
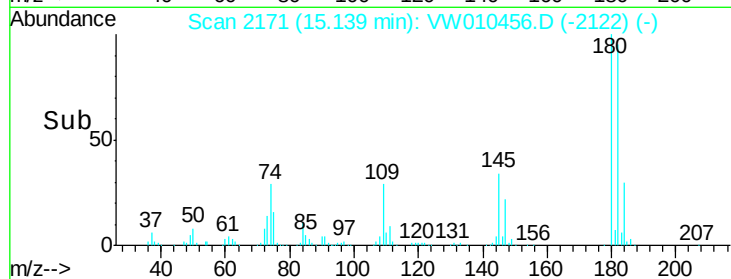
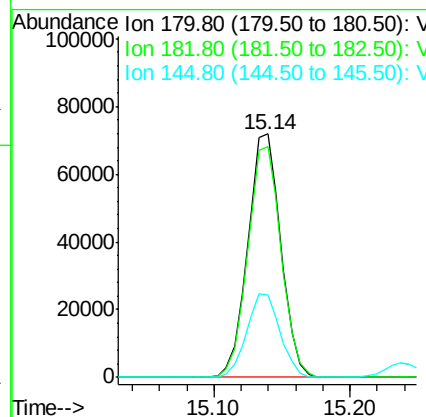
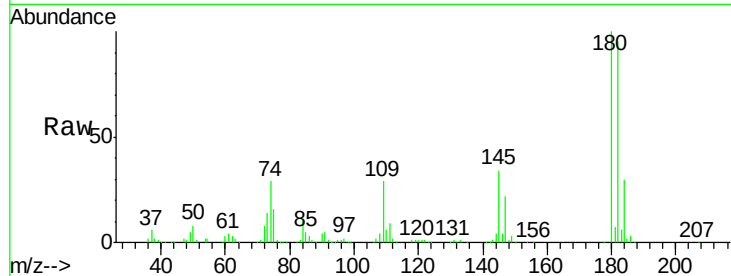
#93
 1,2,4-Trichlorobenzene
 Concen: 53.726 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122001		
182	95.9	47.0	141.2	
145	34.7	16.7	50.0	

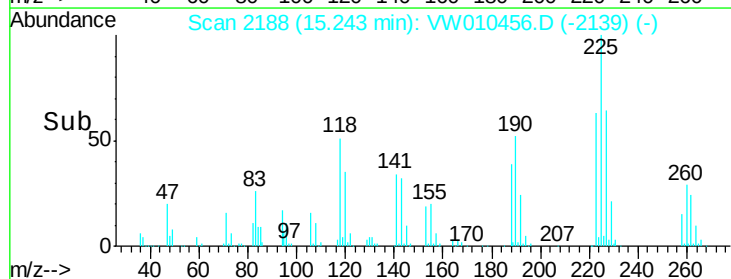
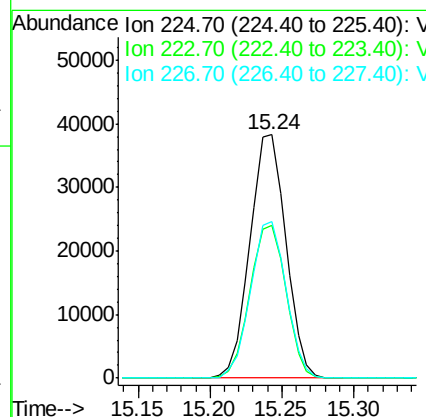
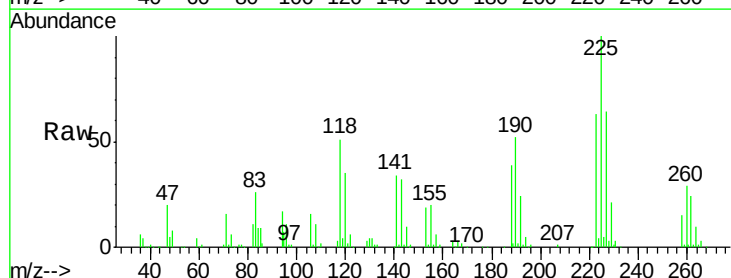
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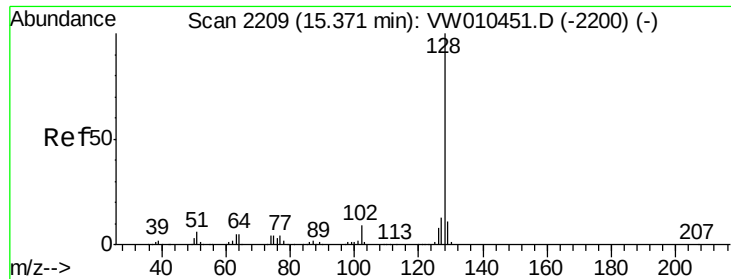
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#94
 Hexachlorobutadiene
 Concen: 54.486 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010456.D
 Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66098		
223	62.7	31.1	93.2	
227	63.5	31.1	93.5	





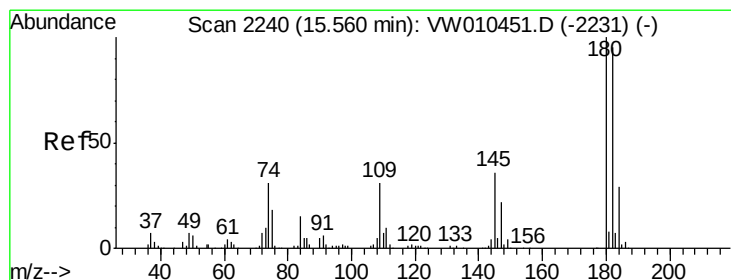
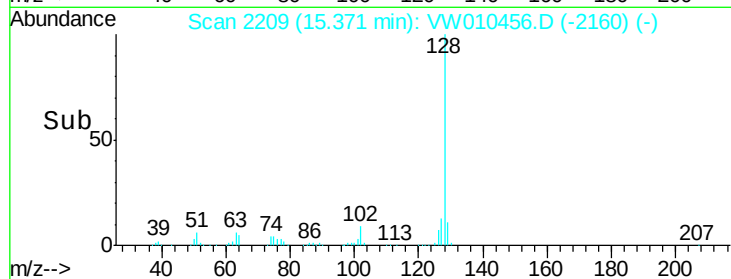
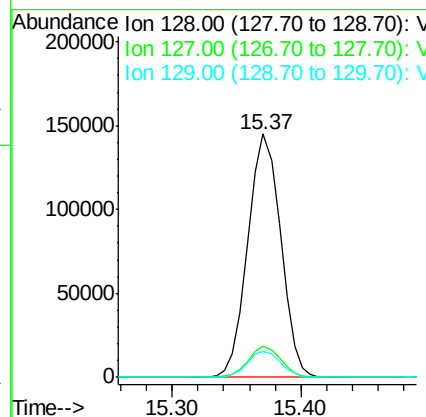
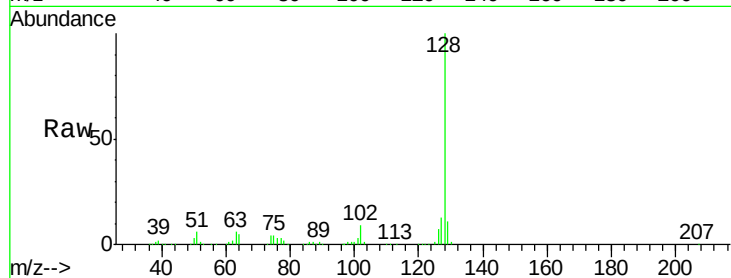
#95
Naphthalene
Concen: 53.781 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	256363		
127	12.7	10.6	15.8	
129	10.9	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
5/21/2019 11:29:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.752 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010456.D
Acq: 20 May 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105029		
182	95.7	47.1	141.3	
145	36.1	17.4	52.3	

