

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010011.D
 Acq On : 17 Apr 2019 10:55
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:56 AM

Quant Time: Apr 18 01:56:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	553347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	505694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	252925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	17184	4.12	ug/l	0.00
Spiked Amount			Recovery	=	8.24%	
35) Dibromofluoromethane	7.88	113	15656	4.45	ug/l	0.00
Spiked Amount			Recovery	=	8.90%	
50) Toluene-d8	10.32	98	47595	3.61	ug/l	0.00
Spiked Amount			Recovery	=	7.22%	
62) 4-Bromofluorobenzene	12.62	95	18524	3.87	ug/l	0.00
Spiked Amount			Recovery	=	7.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11258m	4.438	ug/l	
3) Chloromethane	2.21	50	9454	3.664	ug/l	100
4) Vinyl Chloride	2.37	62	11027	3.677	ug/l	95
5) Bromomethane	2.78	94	8181	4.059	ug/l	94
6) Chloroethane	2.92	64	8114	4.141	ug/l #	88
7) Trichlorofluoromethane	3.26	101	8279	3.993	ug/l	93
8) Diethyl Ether	3.68	74	8327	4.828	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17023m	5.009	ug/l	
10) Methyl Iodide	4.26	142	20304	4.211	ug/l	98
11) Tert butyl alcohol	5.18	59	5906m	24.904	ug/l	
12) 1,1-Dichloroethene	4.03	96	14606	4.367	ug/l	84
13) Acrolein	3.88	56	7270	29.055	ug/l	89
14) Allyl chloride	4.67	41	25892	4.354	ug/l	99
15) Acrylonitrile	5.37	53	20286	22.854	ug/l	96
16) Acetone	4.12	43	24659	25.453	ug/l	93
17) Carbon Disulfide	4.37	76	25943	2.827	ug/l	97
18) Methyl Acetate	4.67	43	13718	6.118	ug/l #	90
19) Methyl tert-butyl Ether	5.43	73	19728	4.541	ug/l	91
20) Methylene Chloride	4.92	84	31174	6.994	ug/l #	79
21) trans-1,2-Dichloroethene	5.42	96	14896	4.112	ug/l	98
22) Diisopropyl ether	6.31	45	50556	4.191	ug/l	95
23) Vinyl Acetate	6.25	43	136769	18.011	ug/l	98
24) 1,1-Dichloroethane	6.21	63	33767	4.683	ug/l #	97
25) 2-Butanone	7.17	43	26934	21.164	ug/l	97
26) 2,2-Dichloropropane	7.16	77	19573	4.906	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	17676	4.437	ug/l	94
28) Bromochloromethane	7.51	49	13904	4.718	ug/l #	18
29) Tetrahydrofuran	7.52	42	16311	20.227	ug/l	99
30) Chloroform	7.67	83	34380	4.758	ug/l	96
31) Cyclohexane	7.95	56	31875	4.720	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	26994	4.759	ug/l	92
36) 1,1-Dichloropropene	8.08	75	23948	4.237	ug/l	95
37) Ethyl Acetate	7.25	43	13114	4.566	ug/l	99
38) Carbon Tetrachloride	8.07	117	24908	4.515	ug/l	97

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Instrument :
 MSVOA_W
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 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:56 AM

Quant Time: Apr 18 01:56:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22442	3.528	ug/l	96
40) Benzene	8.32	78	68200	4.413	ug/l	95
41) Methacrylonitrile	7.49	41	6278	3.835	ug/l #	93
42) 1,2-Dichloroethane	8.40	62	25049	4.716	ug/l	100
43) Isopropyl Acetate	8.43	43	22915	4.258	ug/l	97
44) Trichloroethene	9.09	130	17269	4.399	ug/l	98
45) 1,2-Dichloropropane	9.37	63	18625	4.585	ug/l	98
46) Dibromomethane	9.46	93	9802	4.655	ug/l	98
47) Bromodichloromethane	9.65	83	23960	4.408	ug/l	95
48) Methyl methacrylate	9.44	41	11384	4.345	ug/l	93
49) 1,4-Dioxane	9.46	88	2613	81.220	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	58937	20.907	ug/l	96
52) Toluene	10.39	92	39616	4.115	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	22290	4.136	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	25508	4.145	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13549	4.610	ug/l	93
56) Ethyl methacrylate	10.65	69	12630	3.457	ug/l	93
57) 1,3-Dichloropropane	10.93	76	24330	4.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	36924	21.027	ug/l	99
59) 2-Hexanone	10.97	43	37692	19.208	ug/l	95
60) Dibromochloromethane	11.13	129	14778	4.351	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12689	4.539	ug/l	98
64) Tetrachloroethene	10.86	164	14936	4.550	ug/l	97
65) Chlorobenzene	11.66	112	48577	4.693	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17135	4.629	ug/l	95
67) Ethyl Benzene	11.73	91	78146	4.232	ug/l	98
68) m/p-Xylenes	11.84	106	57290	8.299	ug/l	98
69) o-Xylene	12.17	106	24970	3.973	ug/l	95
70) Styrene	12.18	104	41662	3.844	ug/l	100
71) Bromoform	12.35	173	8997	4.597	ug/l #	99
73) Isopropylbenzene	12.47	105	71581	4.066	ug/l	100
74) N-amyl acetate	12.27	43	18146	3.722	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	16967	4.879	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	11655m	3.844	ug/l	
77) Bromobenzene	12.75	156	18035	4.455	ug/l	99
78) n-propylbenzene	12.80	91	90453	4.146	ug/l	99
79) 2-Chlorotoluene	12.90	91	55943	4.459	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	60838	4.076	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4252	3.961	ug/l	89
82) 4-Chlorotoluene	12.99	91	57708	4.370	ug/l	100
83) tert-Butylbenzene	13.21	119	50475	4.084	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	62060	4.101	ug/l	100
85) sec-Butylbenzene	13.39	105	79947	4.328	ug/l	100
86) p-Isopropyltoluene	13.50	119	65418	4.018	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	38926	4.756	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	40580	4.968	ug/l	91
89) n-Butylbenzene	13.83	91	66103	4.098	ug/l	99
90) Hexachloroethane	14.10	117	14210	4.557	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	34781	4.740	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2922	4.695	ug/l	93

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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

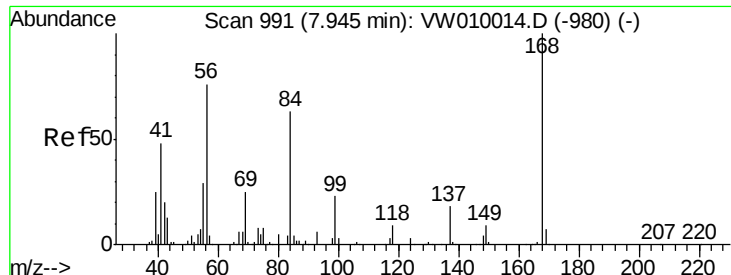
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4/18/2019 11:39:56 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 01:42:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21671	4.477	ug/l	97
94) Hexachlorobutadiene	15.24	225	14085	4.791	ug/l	99
95) Naphthalene	15.37	128	31859	3.666	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	18410	4.383	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 338359

Ion Ratio Lower Upper

168 100

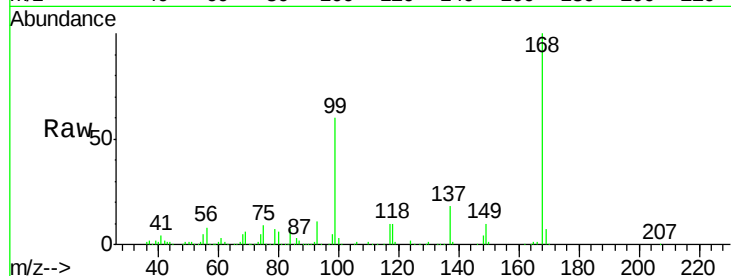
99 60.4 48.4 72.6

Manual Integrations

APPROVED

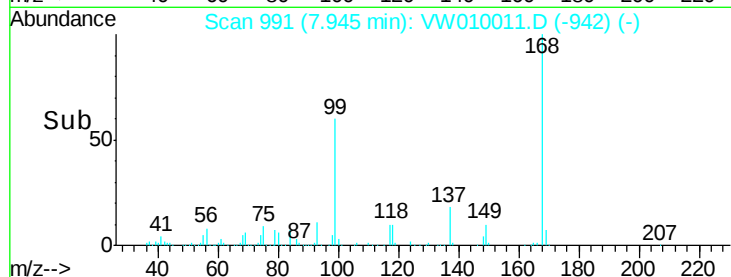
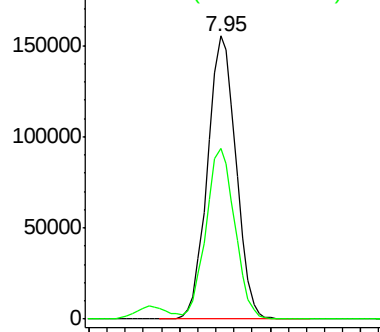
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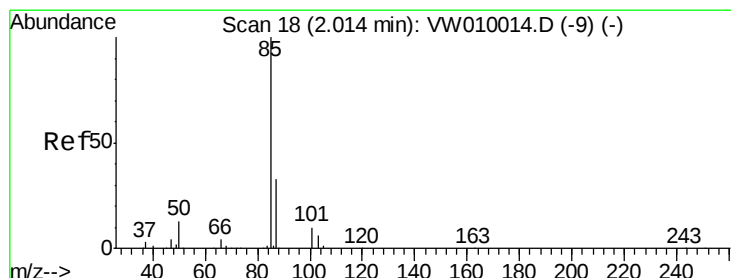


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#2

Dichlorodifluoromethane

Concen: 4.438 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010011.D

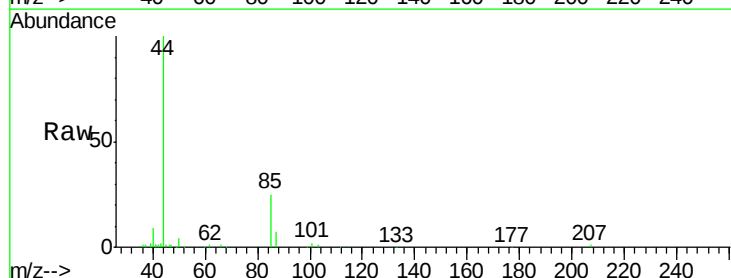
Acq: 17 Apr 2019 10:55

Tgt Ion: 85 Resp: 11258

Ion Ratio Lower Upper

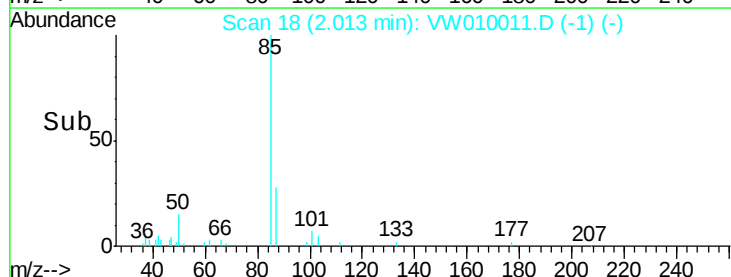
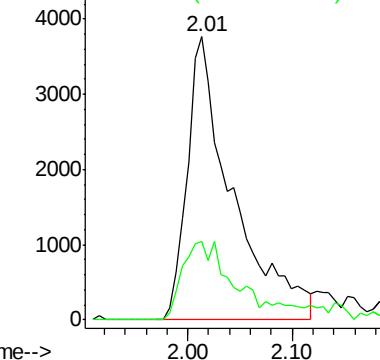
85 100

87 27.8 16.3 48.9

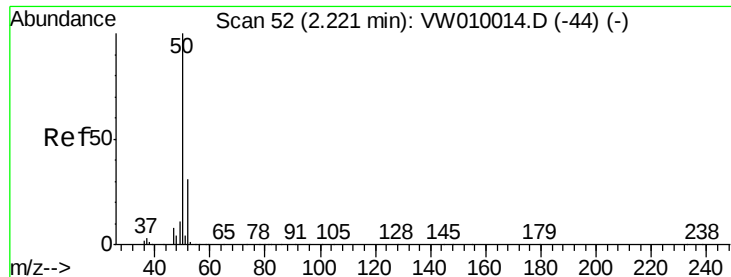


Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



Time-->



#3

Chloromethane

Concen: 3.664 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9454

Ion Ratio Lower Upper

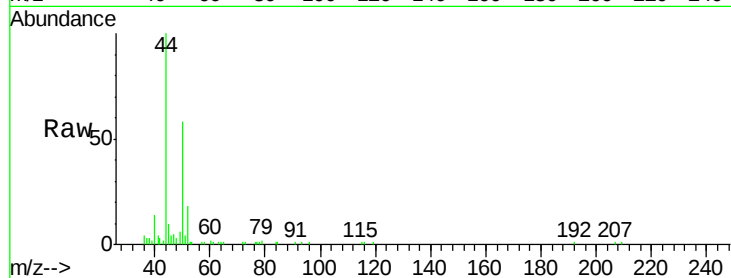
50 100

52 31.3 25.0 37.6

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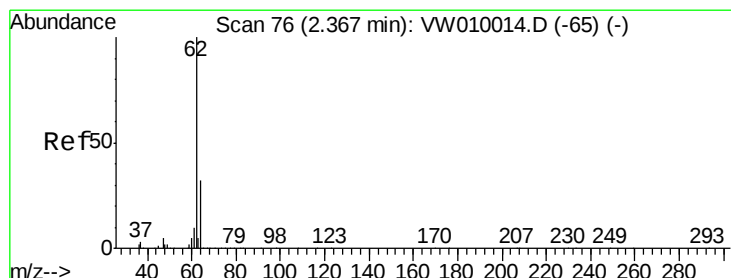
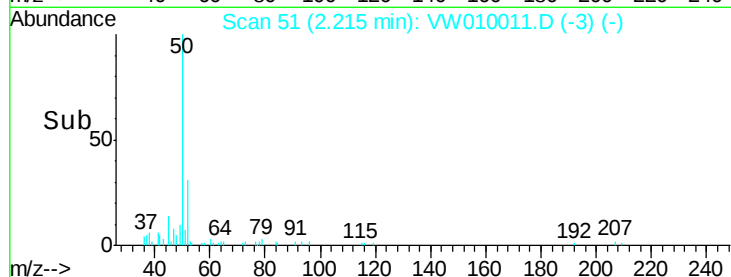
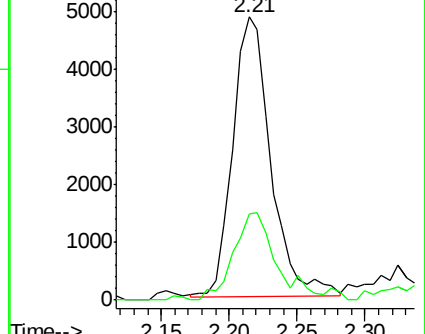
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Abundance Ion 49.60 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 3.677 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010011.D

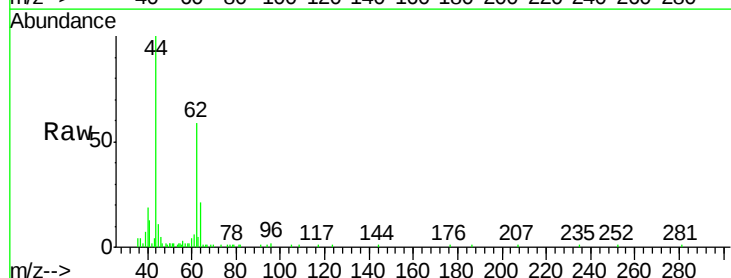
Acq: 17 Apr 2019 10:55

Tgt Ion: 62 Resp: 11027

Ion Ratio Lower Upper

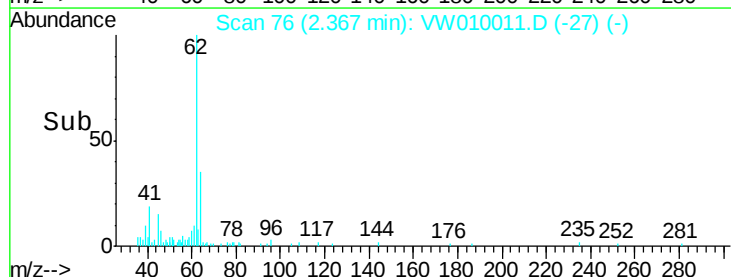
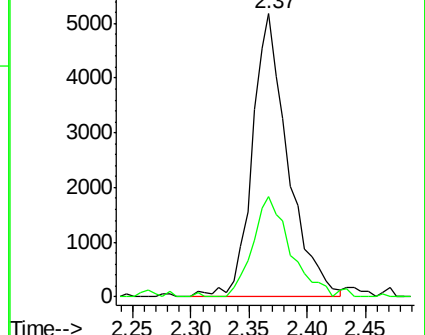
62 100

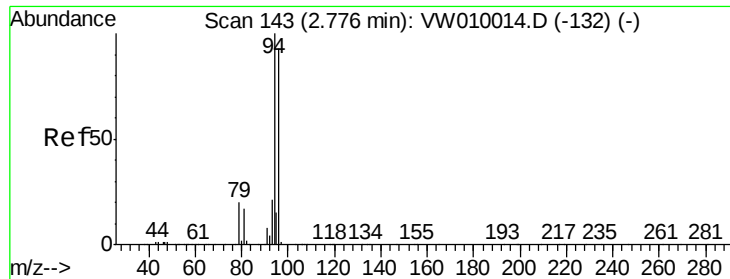
64 35.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 4.059 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8181

Ion Ratio Lower Upper

94 100

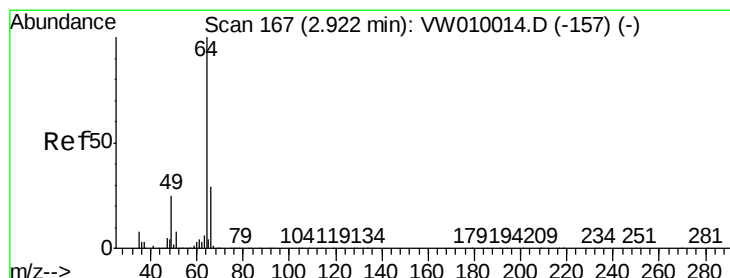
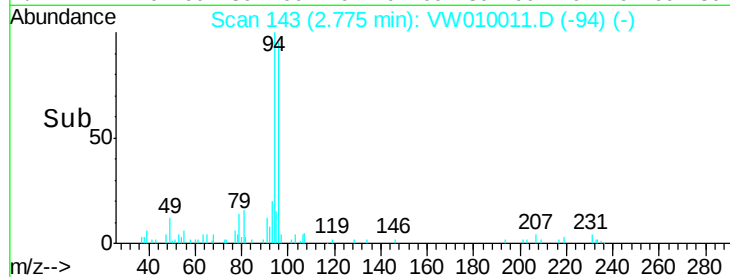
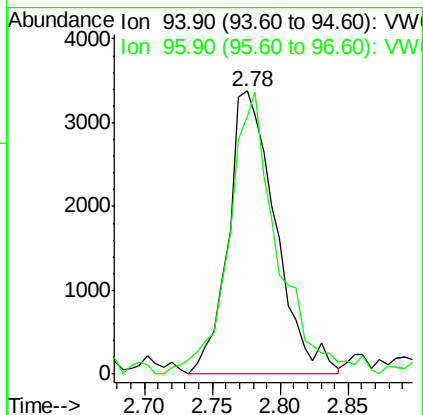
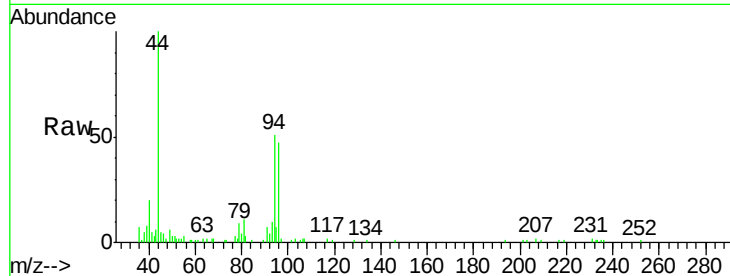
96 86.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 4.141 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010011.D

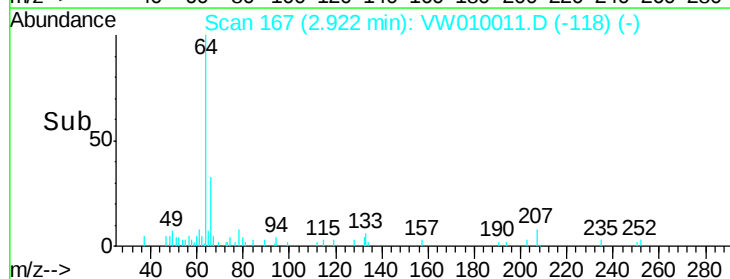
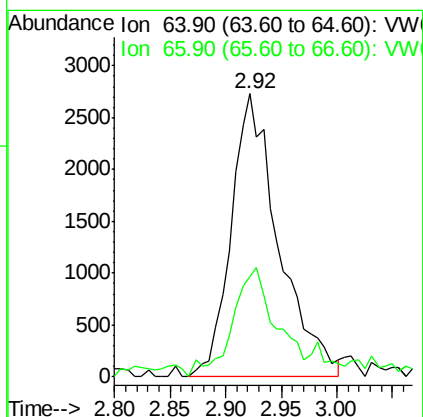
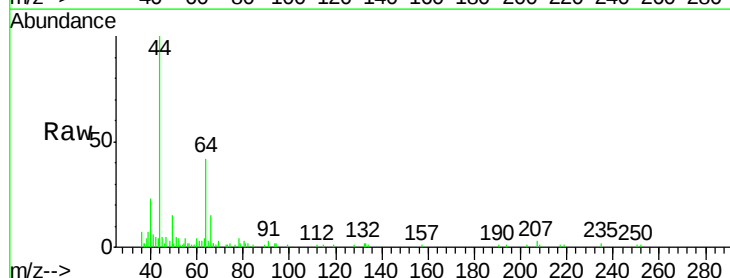
Acq: 17 Apr 2019 10:55

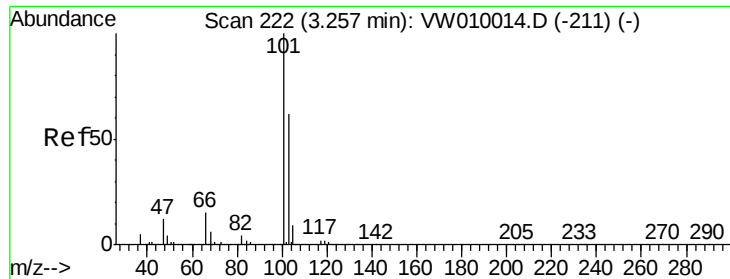
Tgt Ion: 64 Resp: 8114

Ion Ratio Lower Upper

64 100

66 35.4 23.4 35.0#





#7

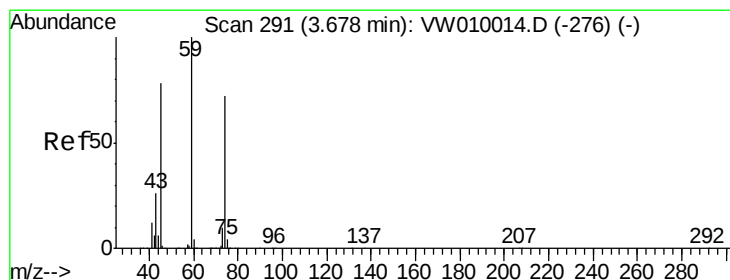
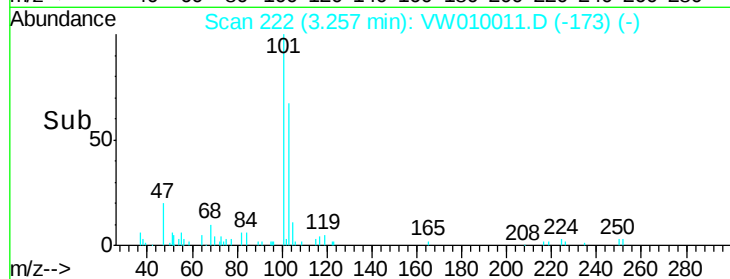
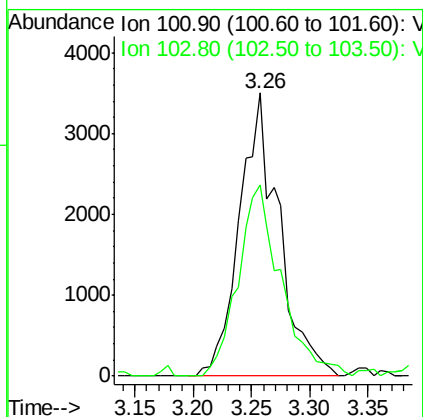
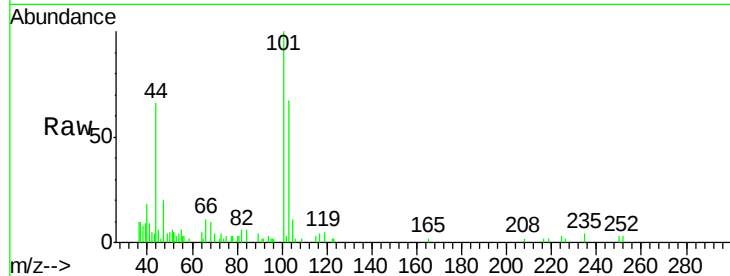
Trichlorofluoromethane
Concen: 3.993 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.8	74.6

Manual Integrations
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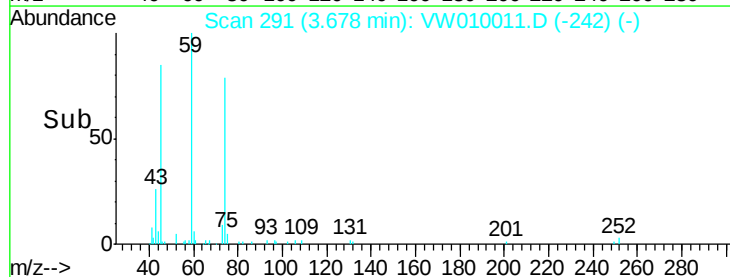
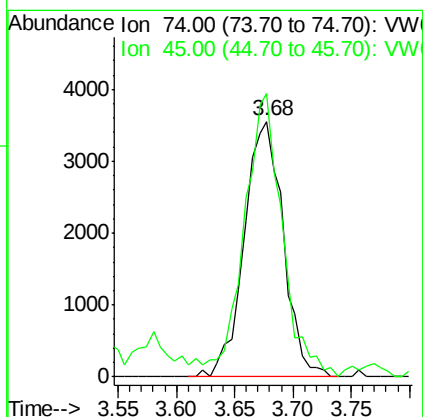
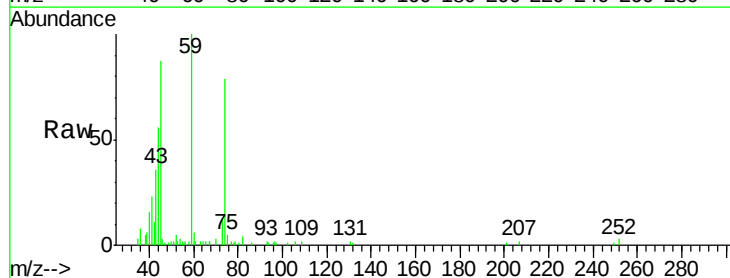
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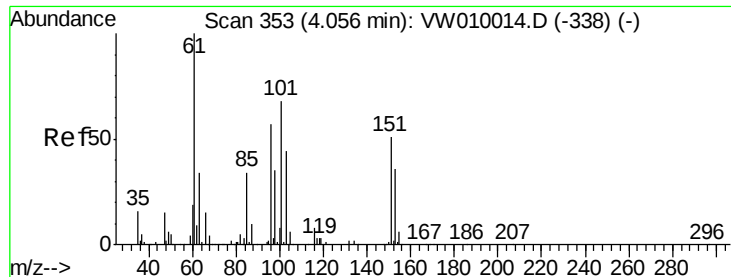


#8

Diethyl Ether
Concen: 4.828 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.2	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.009 ug/l m

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

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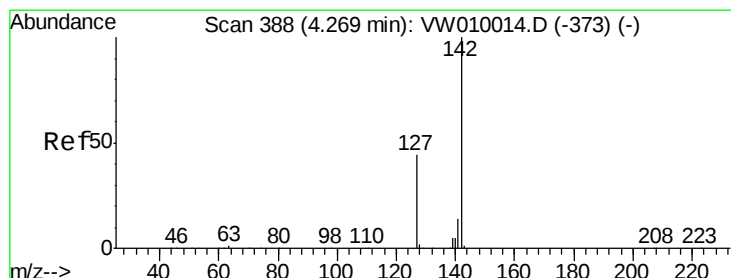
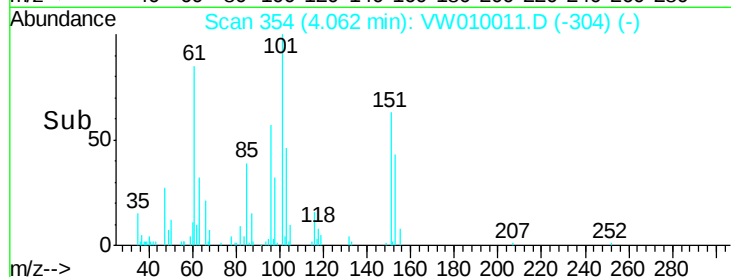
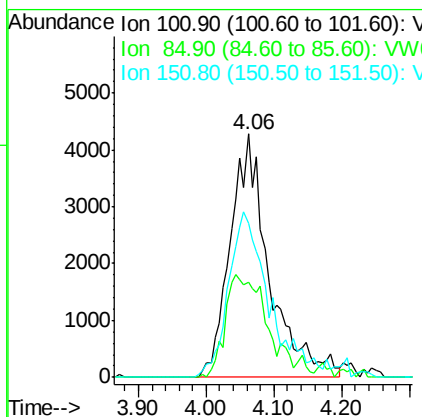
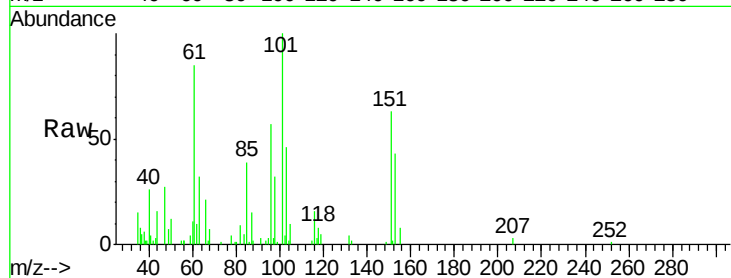
VSTDIC005

Tot Ion:	101	Resp:	17023
Ion Ratio	Lower	Upper	
101	100		
85	40.7	36.3	54.5
151	70.7	60.2	90.2

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#10

Methyl Iodide

Concen: 4.211 ug/l

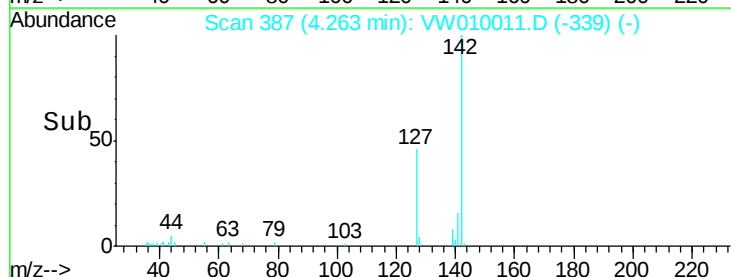
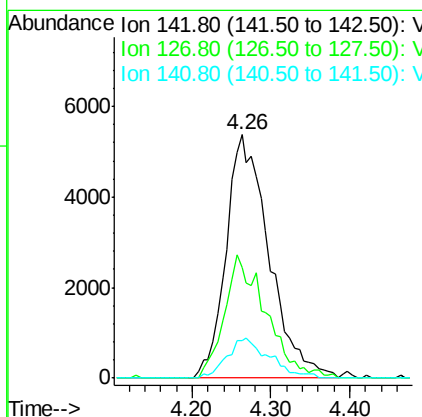
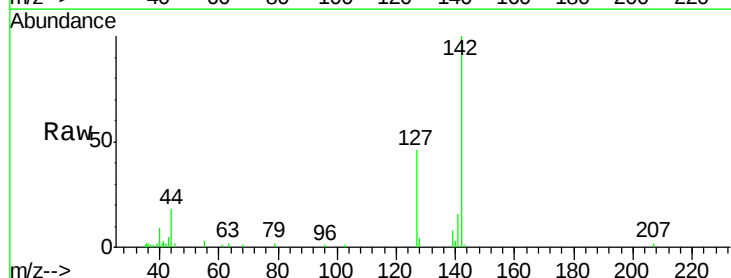
RT: 4.26 min Scan# 387

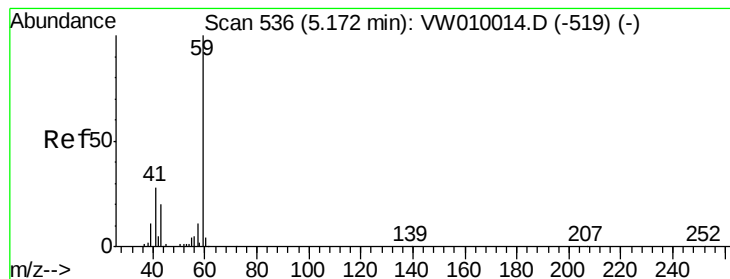
Delta R.T. -0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Tgt Ion:	142	Resp:	20304
Ion Ratio	Lower	Upper	
142	100		
127	49.2	38.1	57.1
141	16.3	12.2	18.2





#11

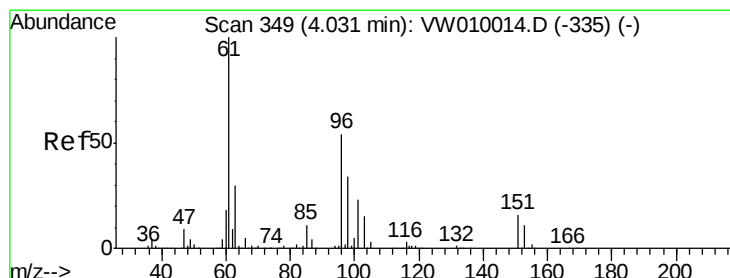
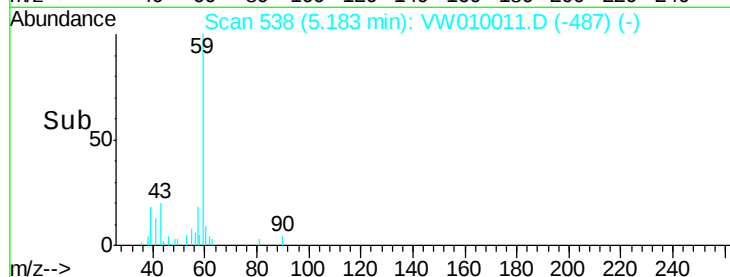
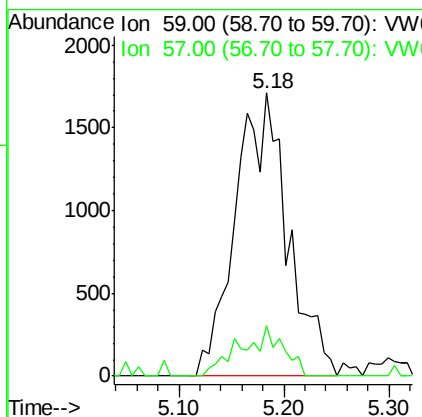
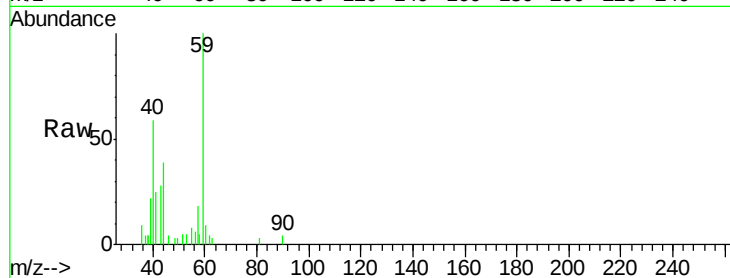
Tert butyl alcohol
Concen: 24.904 ug/l m
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 5906
Ion Ratio Lower Upper
59 100
57 5.5 9.0 13.4#

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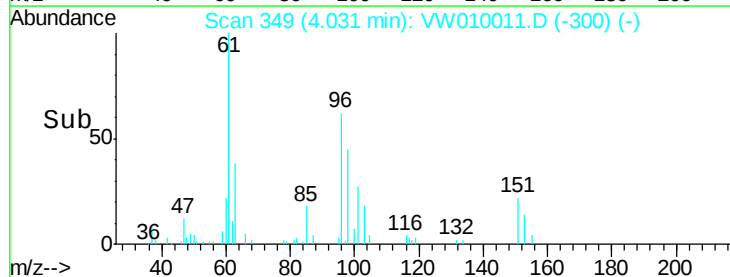
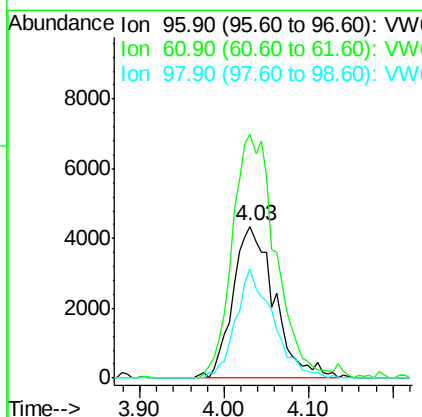
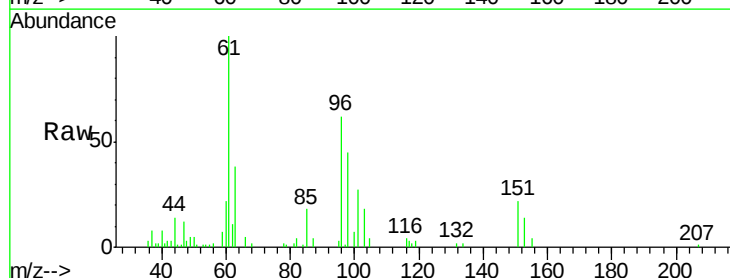
MMDadoda
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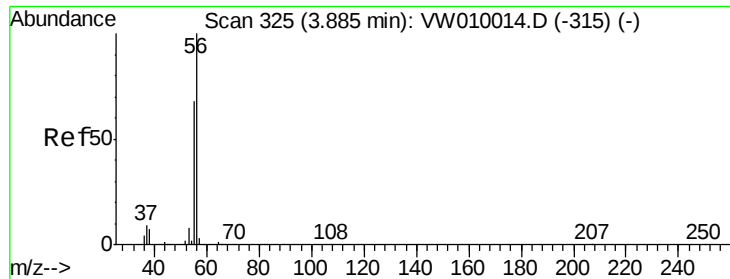


#12

1,1-Dichloroethene
Concen: 4.367 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion: 96 Resp: 14606
Ion Ratio Lower Upper
96 100
61 160.2 147.4 221.2
98 72.0 49.7 74.5





#13

Acrolein

Concen: 29.055 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Tot Ion: 56 Resp: 7270

Ion Ratio Lower Upper

56 100

55 76.8 54.2 81.2

Instrument :

MSVOA_W

ClientSampleId :

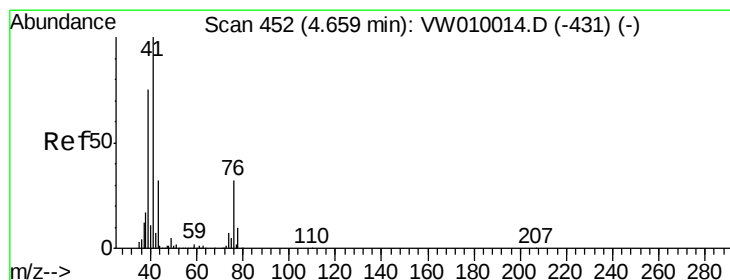
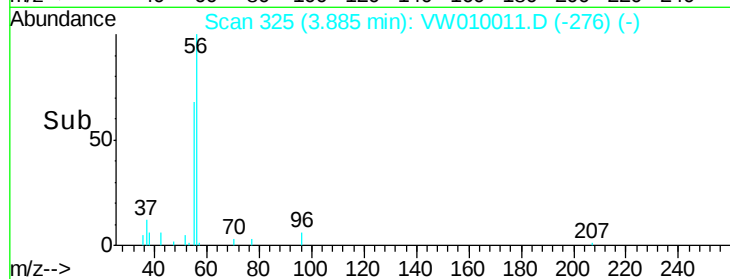
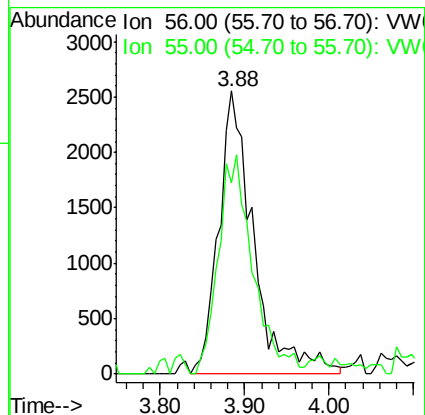
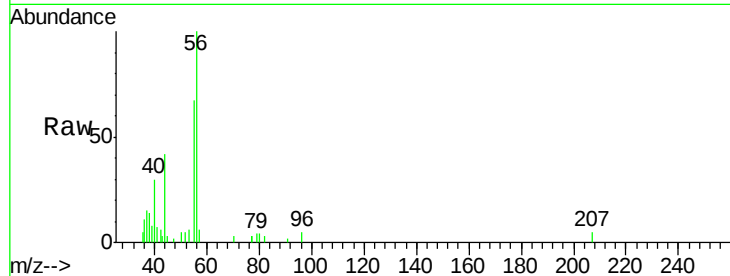
VSTDIC005

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#14

Allyl chloride

Concen: 4.354 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

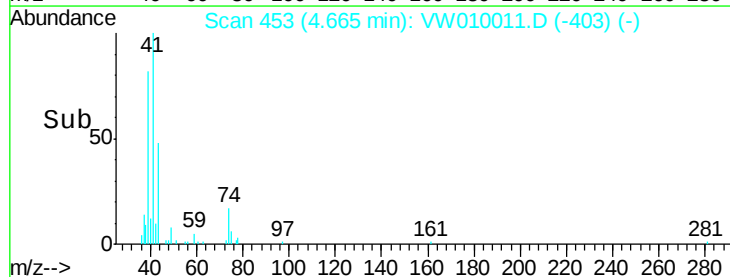
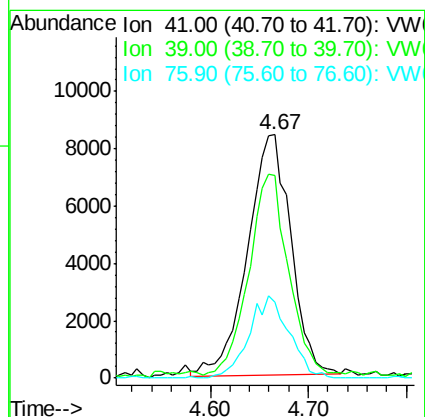
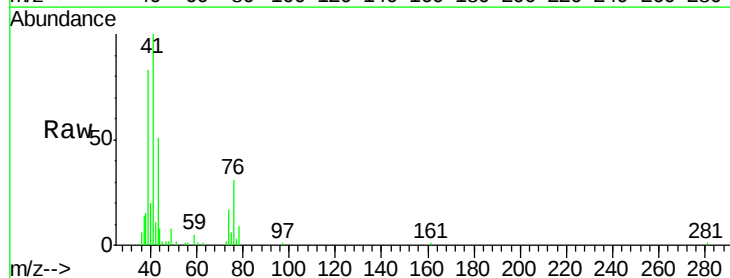
Tgt Ion: 41 Resp: 25892

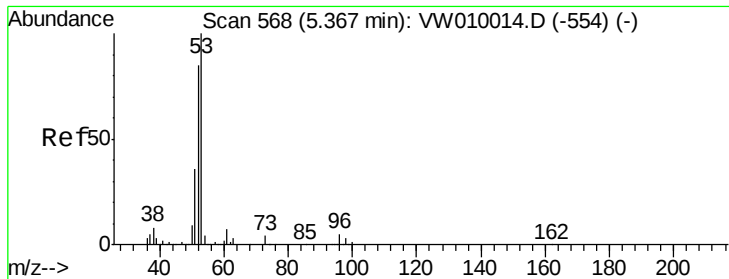
Ion Ratio Lower Upper

41 100

39 76.0 60.2 90.4

76 31.6 25.0 37.6





#15

Acrylonitrile

Concen: 22.854 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

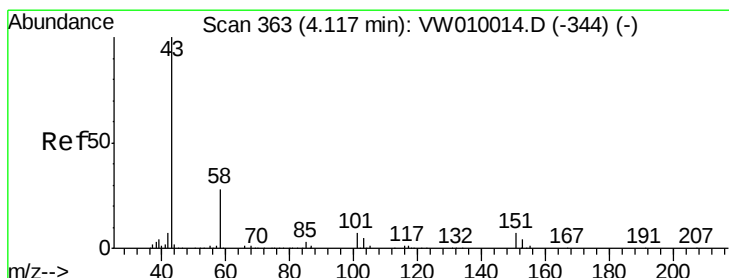
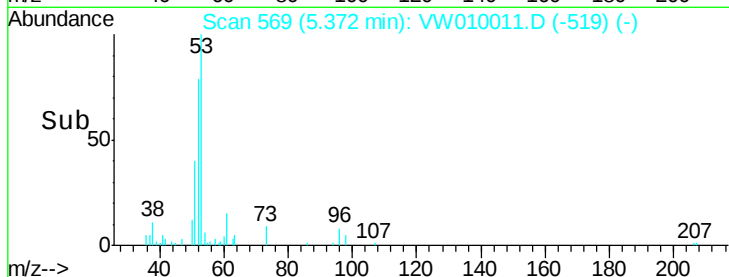
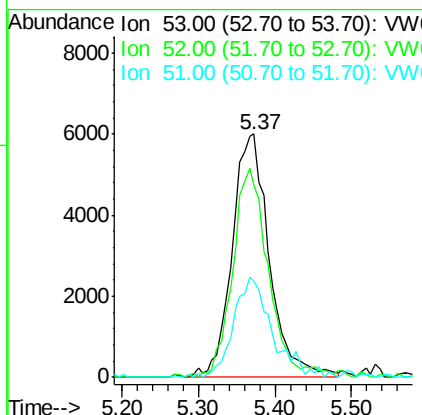
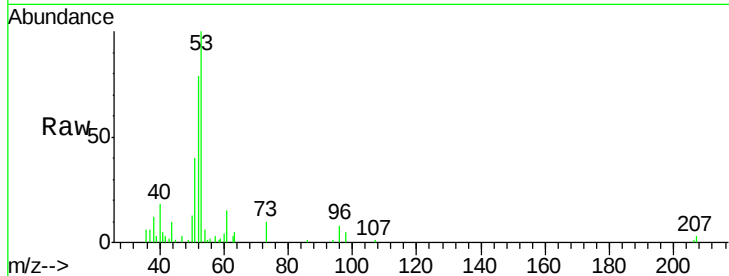
VSTDIC005

Tot Ion:	53	Resp:	20286
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.6	100.0
51	41.4	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 25.453 ug/l

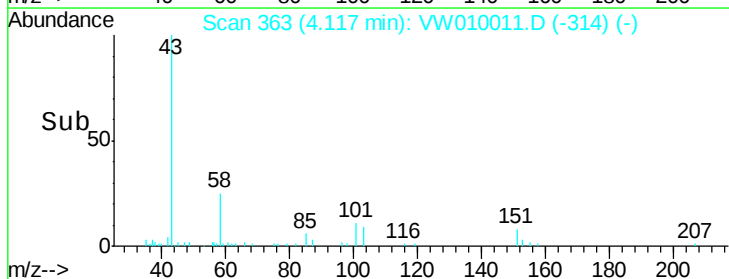
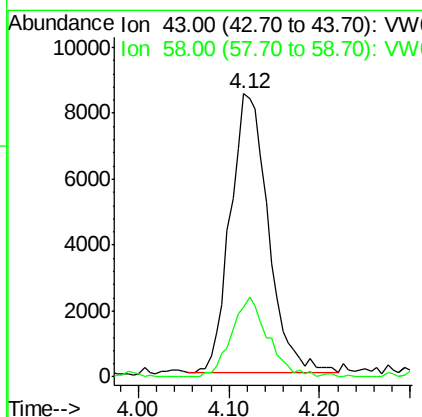
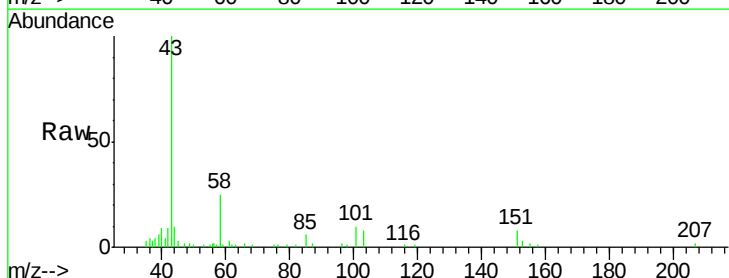
RT: 4.12 min Scan# 363

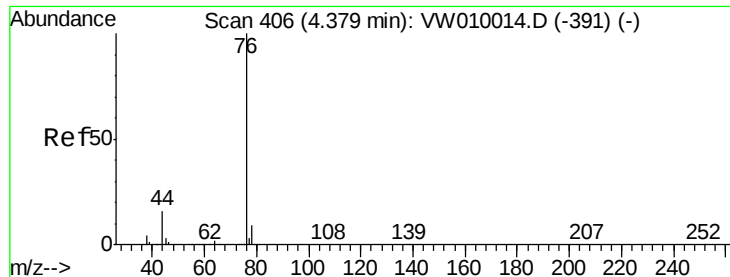
Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Tgt Ion:	43	Resp:	24659
Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.7	34.1





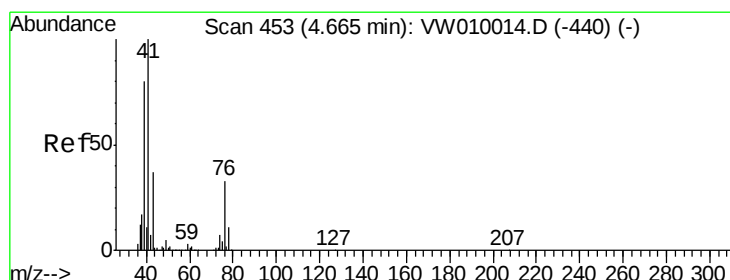
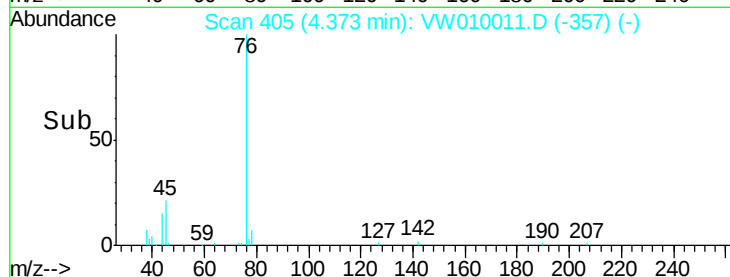
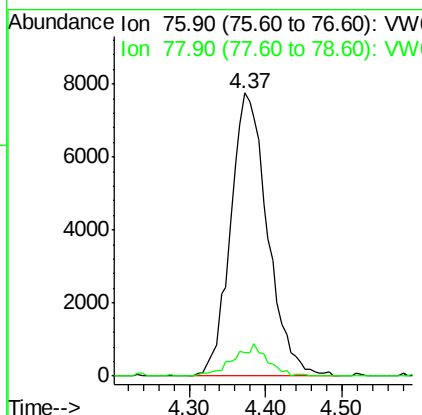
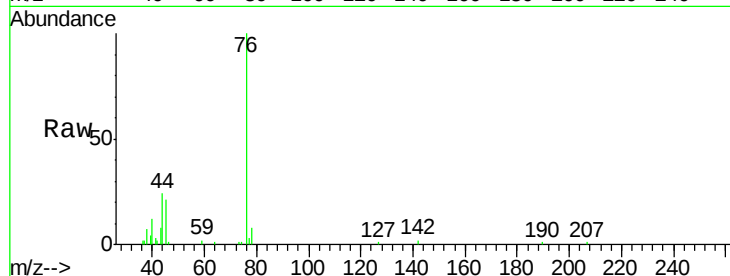
#17
Carbon Disulfide
Concen: 2.827 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.4	11.2

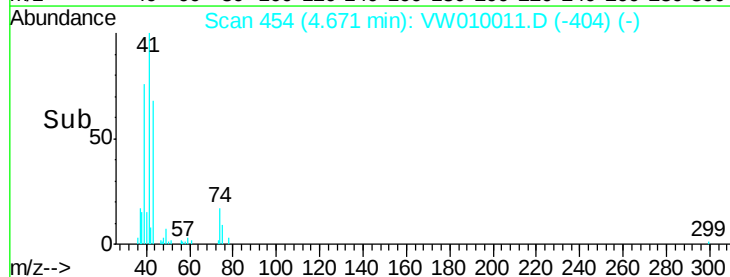
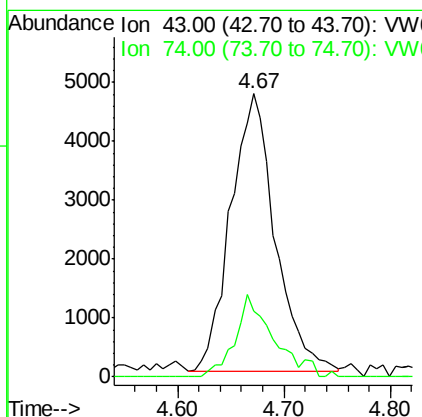
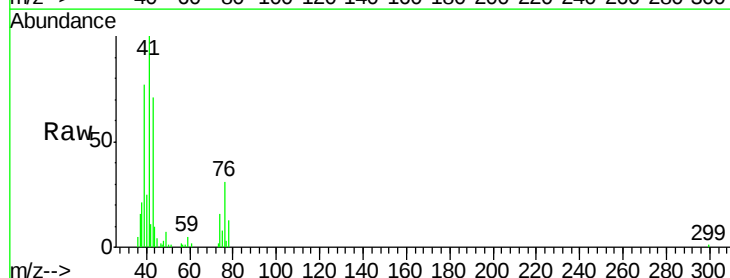
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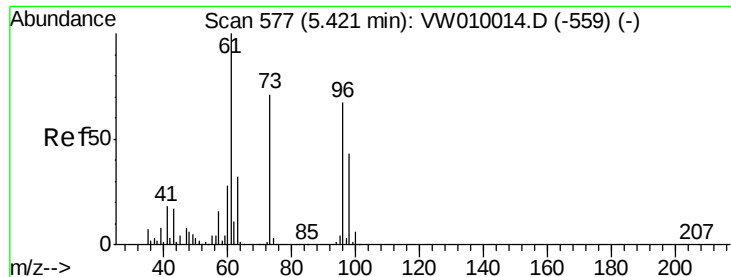
MMDadoda
4/18/2019 11:39:56 AM



#18
Methyl Acetate
Concen: 6.118 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	16.8	25.2#





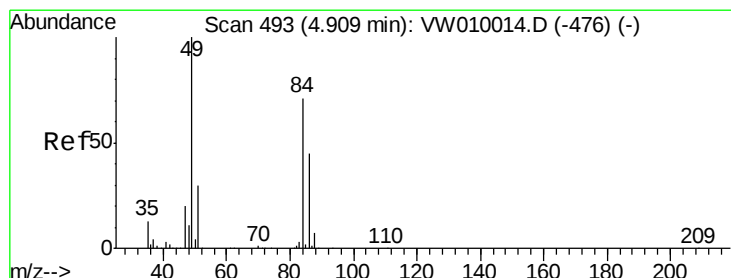
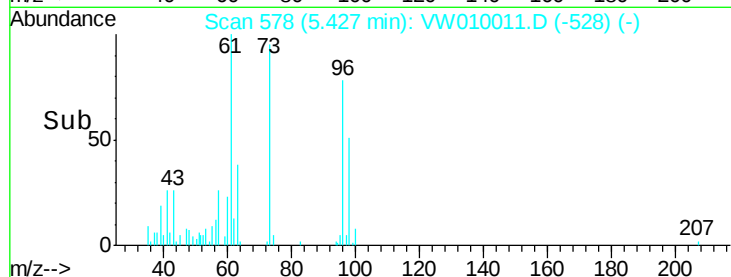
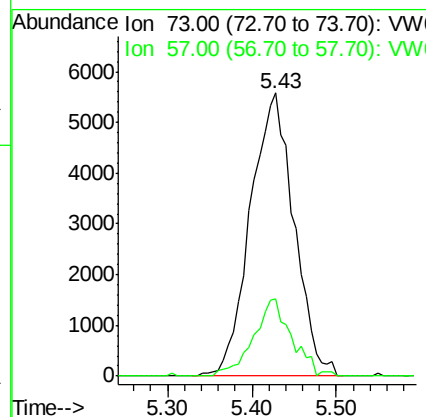
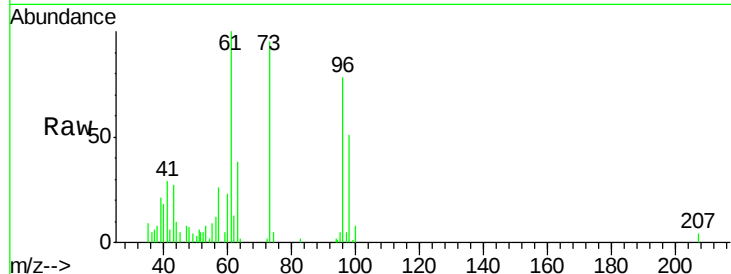
#19
Methvl tert-butvl Ether
Concen: 4.541 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 19728
Ion Ratio Lower Upper
73 100
57 27.5 18.5 27.7

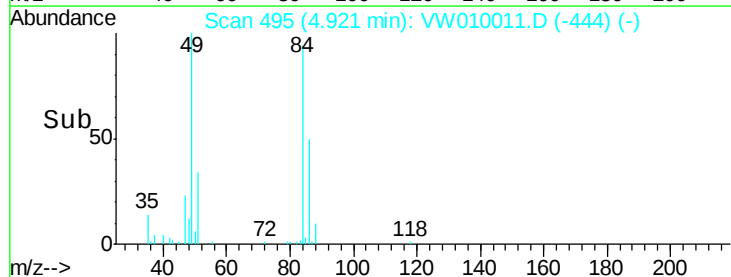
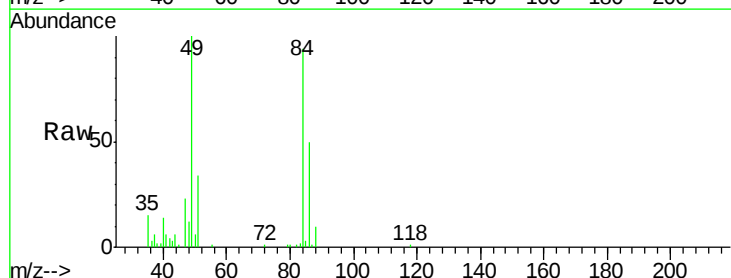
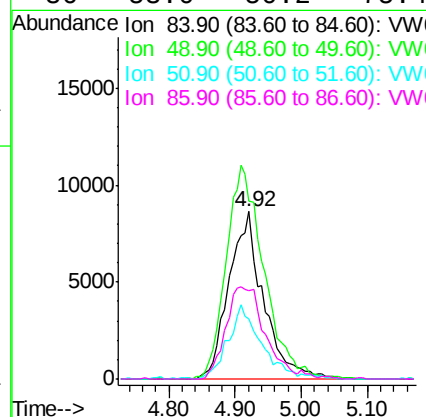
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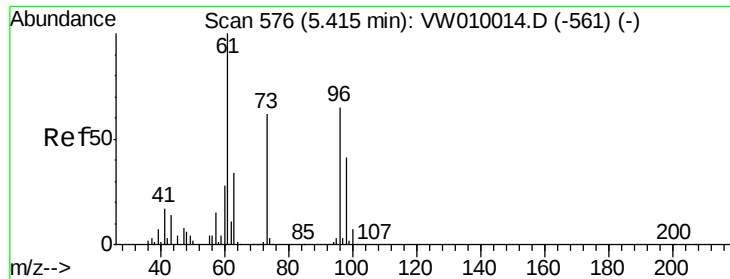
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#20
Methylene Chloride
Concen: 6.994 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion: 84 Resp: 31174
Ion Ratio Lower Upper
84 100
49 106.2 112.3 168.5#
51 35.8 33.9 50.9
86 53.0 50.2 75.4





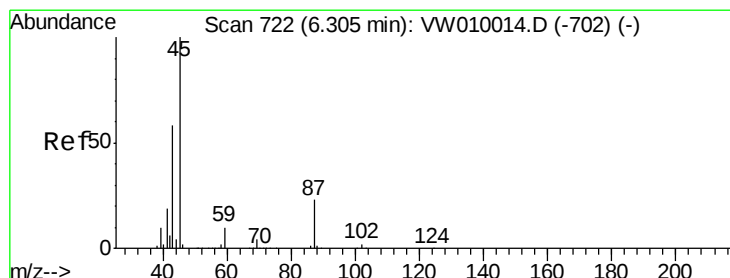
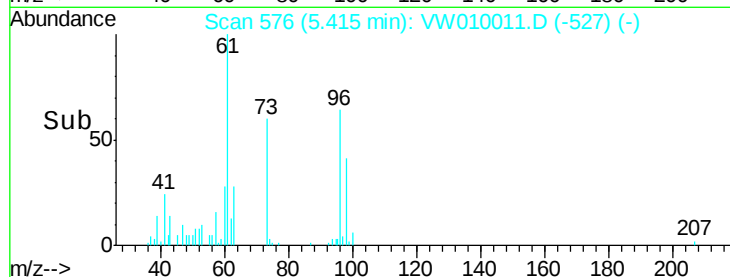
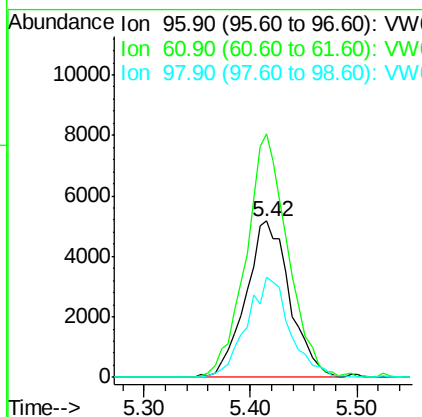
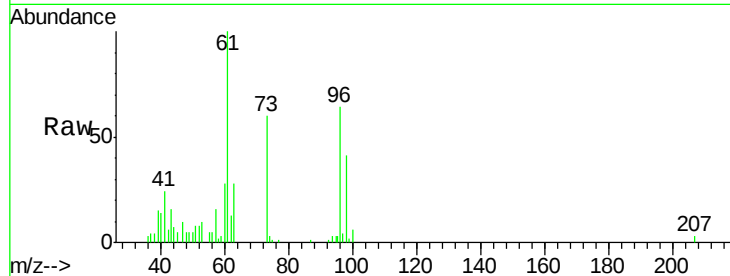
#21
trans-1,2-Dichloroethene
Concen: 4.112 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	122.3	183.5
98	64.1	50.5	75.7

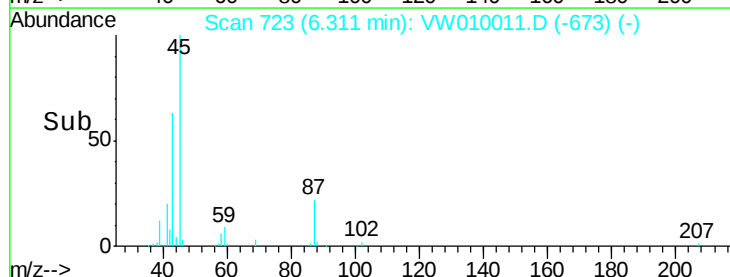
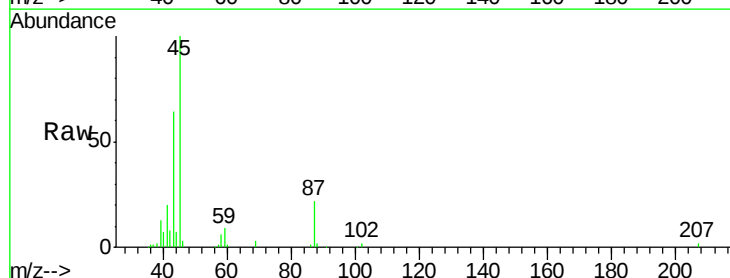
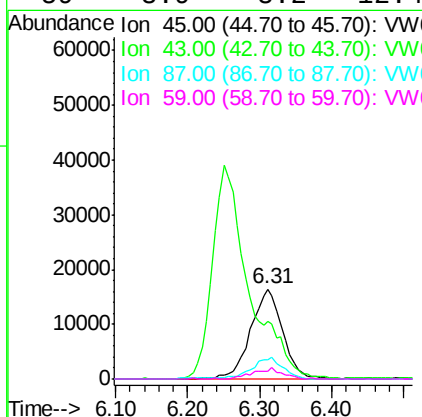
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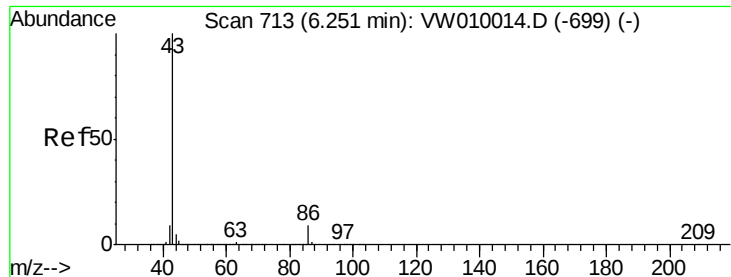
MMDadoda
4/18/2019 11:39:56 AM



#22
Diisopropyl ether
Concen: 4.191 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	46.1	69.1
87	21.7	18.3	27.5
59	8.9	8.2	12.4





#23

Vinyl Acetate

Concen: 18.011 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 136769

Ion Ratio Lower Upper

43 100

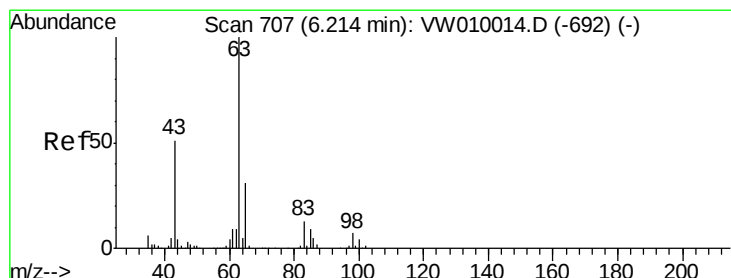
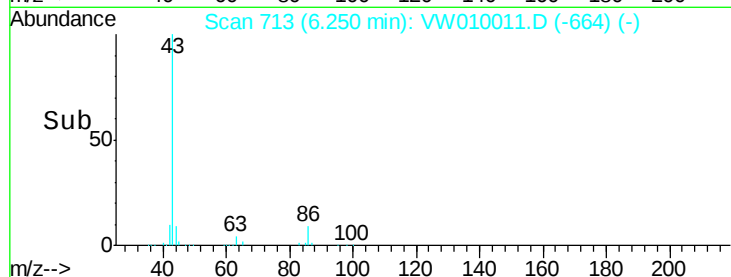
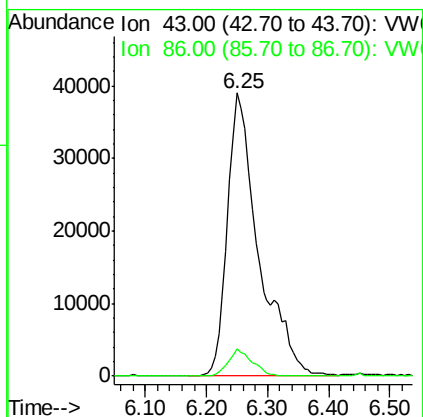
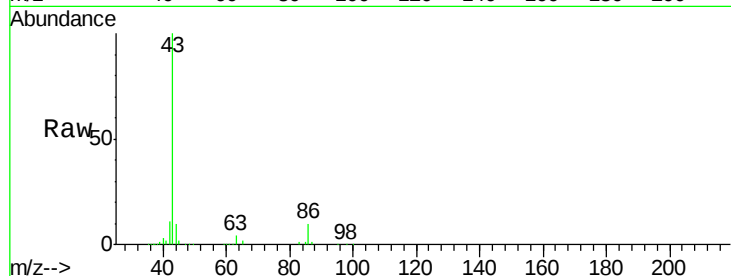
86 9.6 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 4.683 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

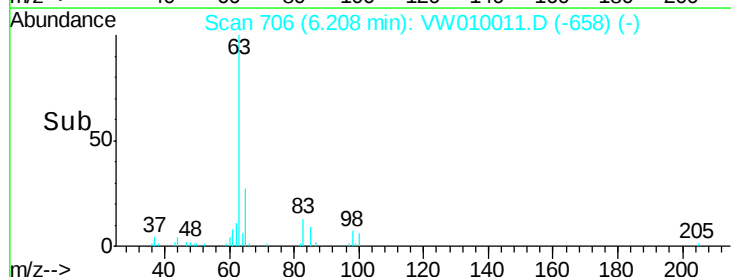
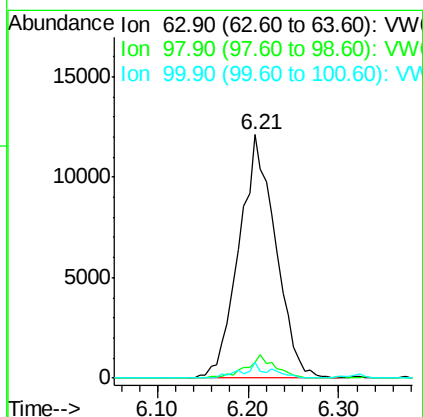
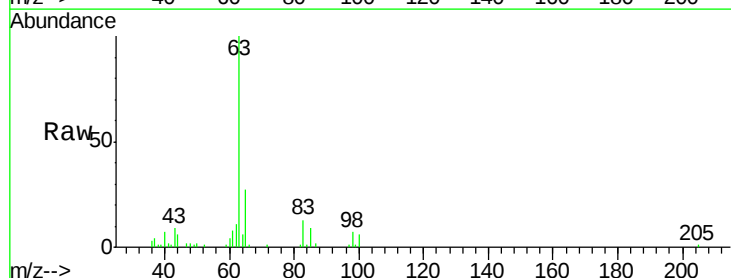
Tgt Ion: 63 Resp: 33767

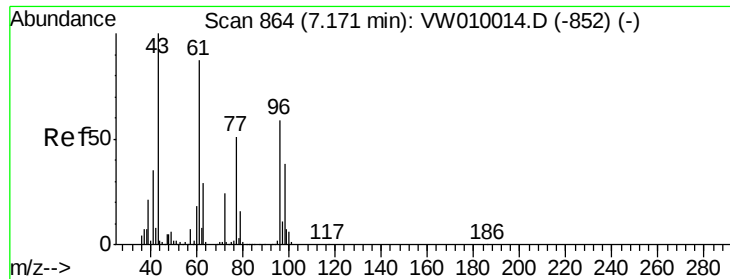
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 6.4 2.0 6.0#





#25

2-Butanone

Concen: 21.164 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26934

Ion Ratio Lower Upper

43 100

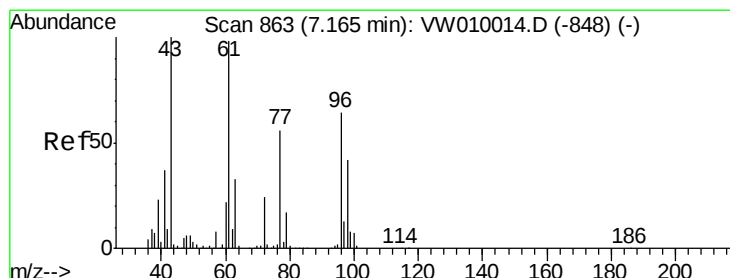
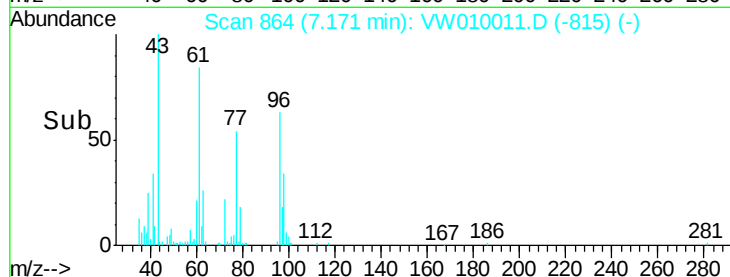
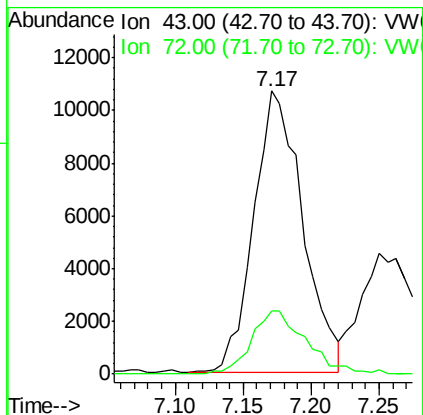
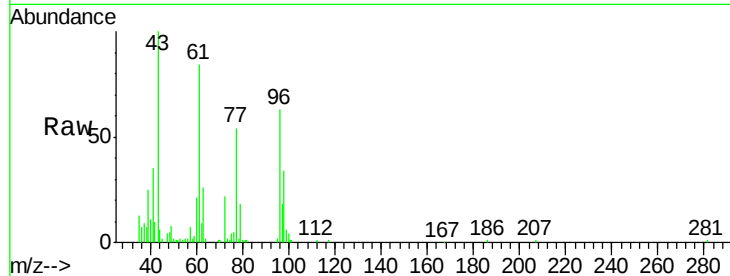
72 22.3 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.906 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010011.D

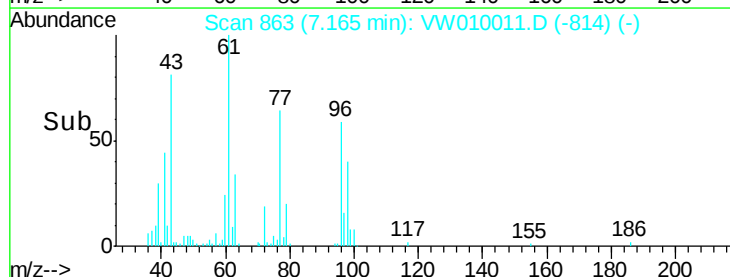
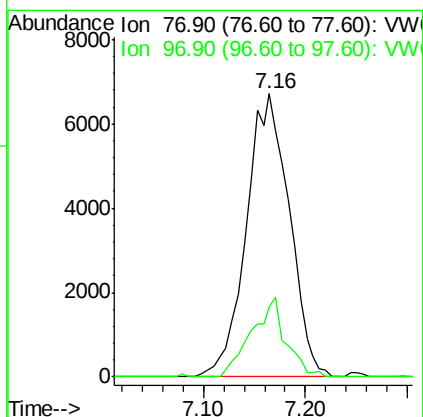
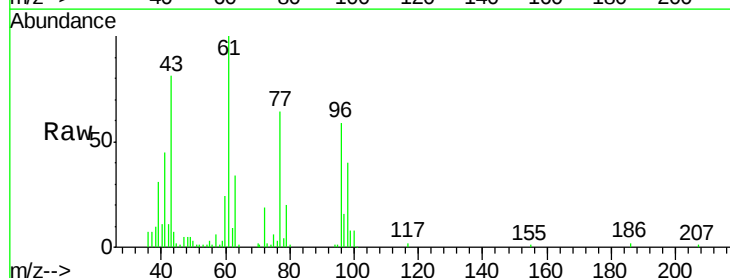
Acq: 17 Apr 2019 10:55

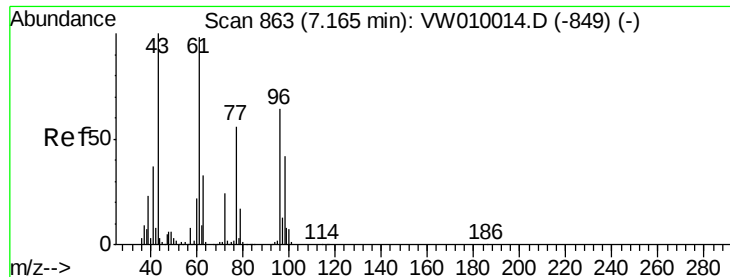
Tgt Ion: 77 Resp: 19573

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.9





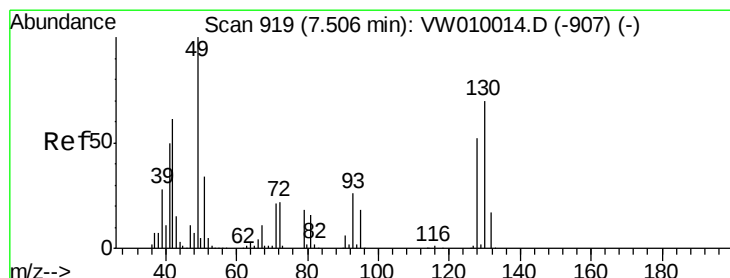
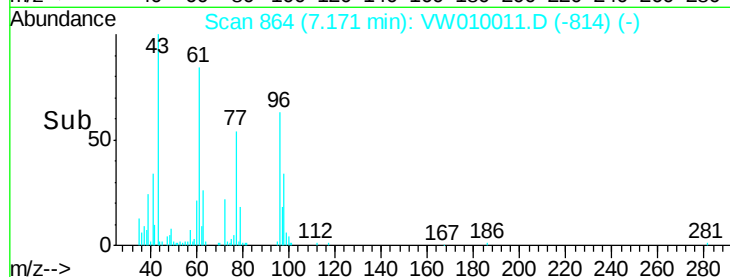
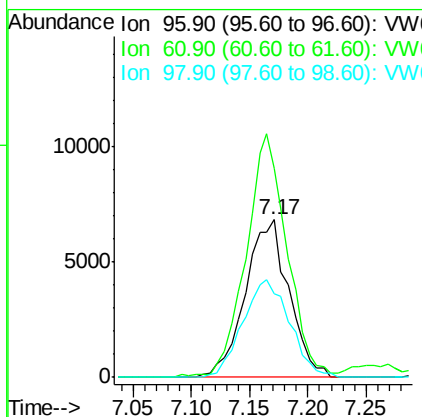
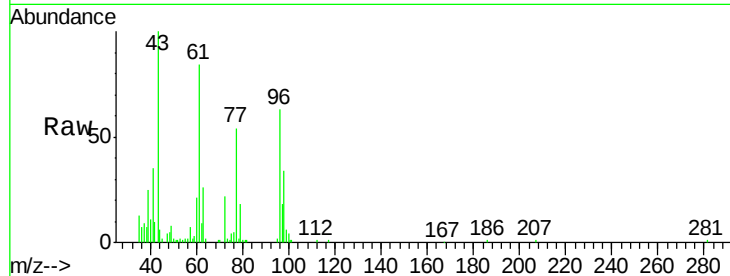
#27
 cis-1,2-Dichloroethene
 Concen: 4.437 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	309.4
98	66.6	0.0	128.6

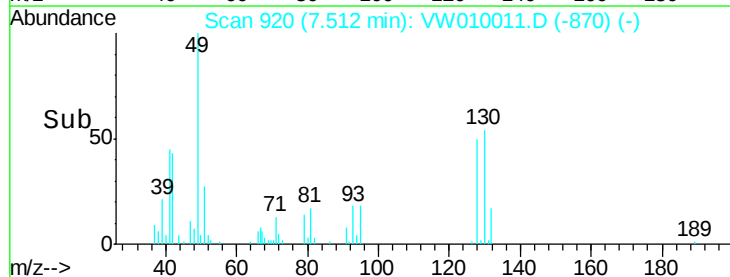
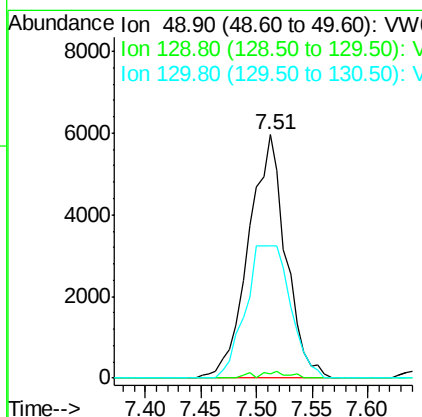
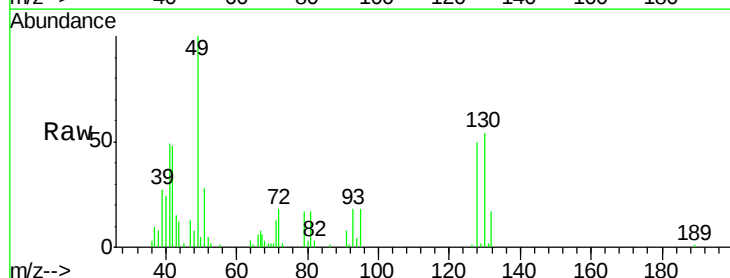
Manual Integrations
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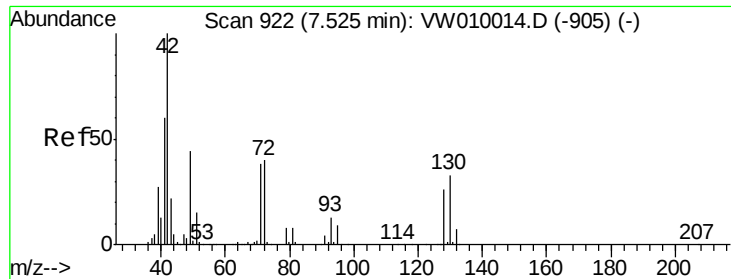
MMDadoda
 4/18/2019 11:39:56 AM



#28
 Bromochloromethane
 Concen: 4.718 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	0.0	54.6	82.0#





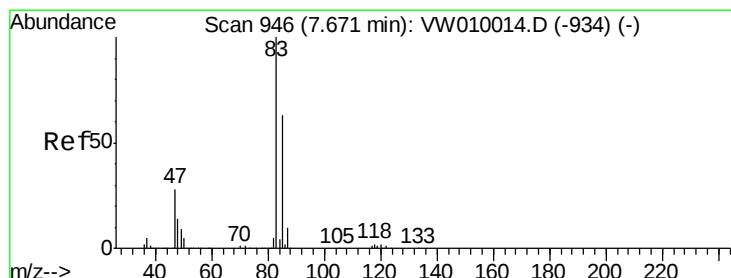
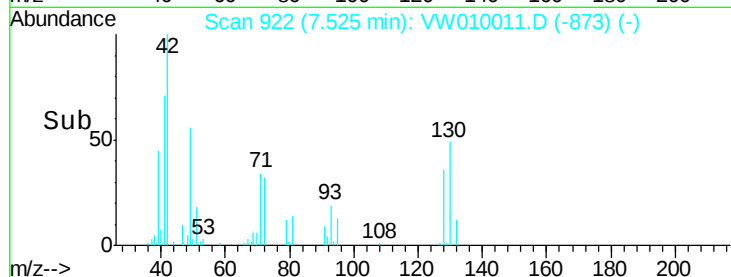
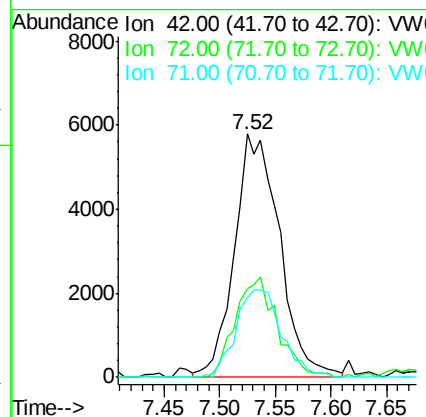
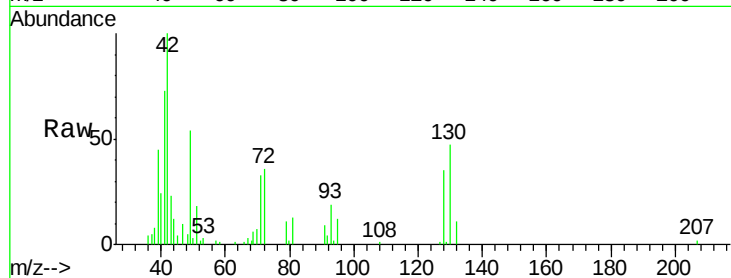
#29
Tetrahydrofuran
Concen: 20.227 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	16311
Ion Ratio		Lower	Upper
42	100		
72	38.3	31.0	46.6
71	36.3	29.7	44.5

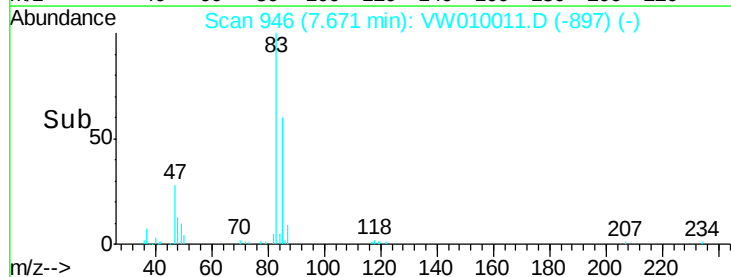
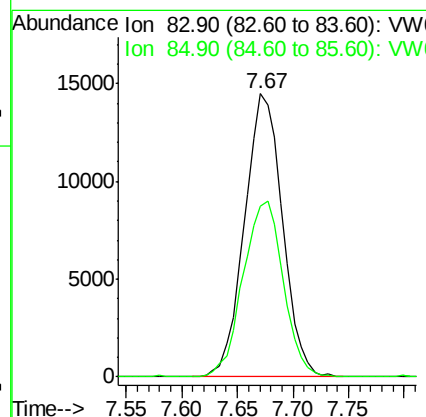
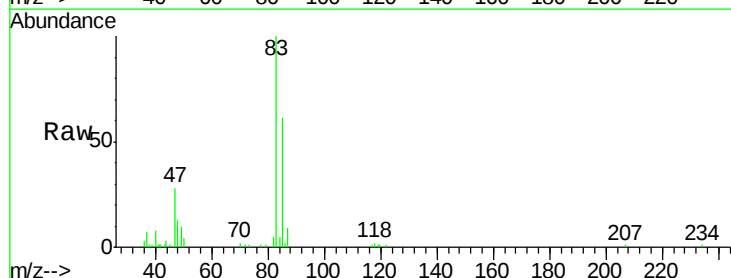
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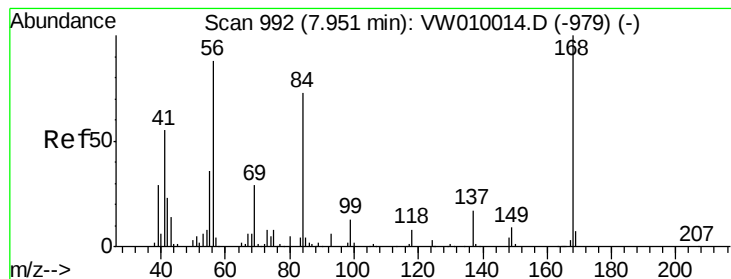
MMDadoda
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#30
Chloroform
Concen: 4.758 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion:	83	Resp:	34380
Ion Ratio		Lower	Upper
83	100		
85	60.5	50.7	76.1





#31

Cyclohexane

Concen: 4.720 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 31875

Ion Ratio Lower Upper

56 100

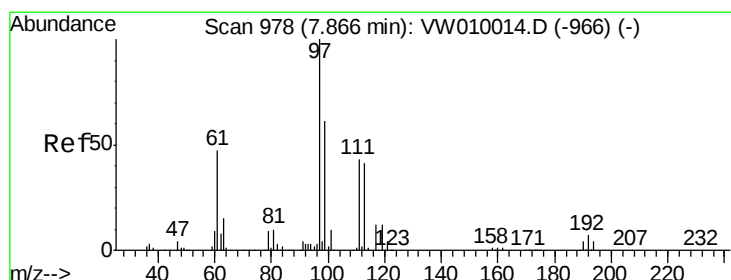
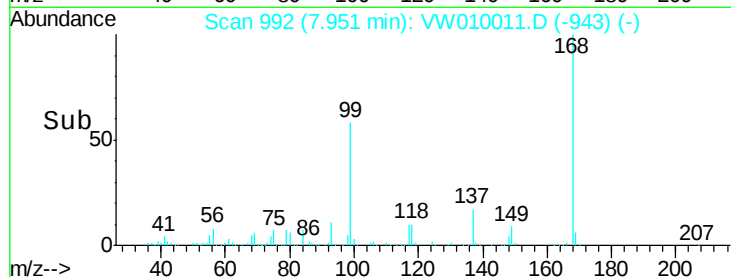
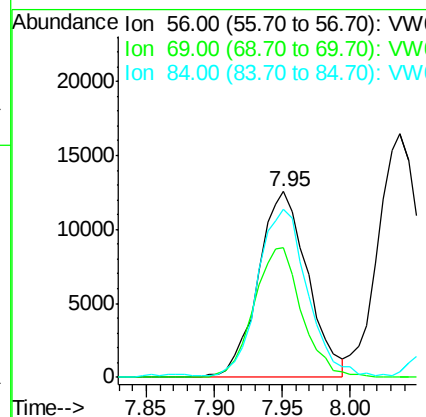
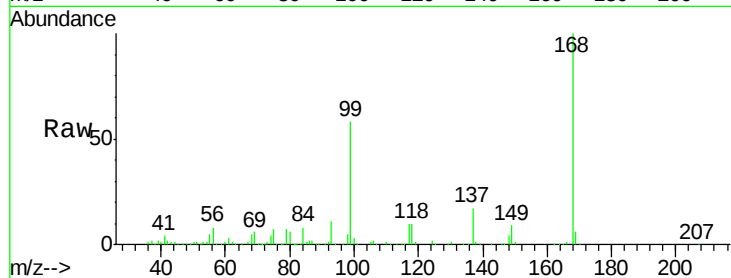
69 70.1 26.6 40.0#

84 89.6 66.2 99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.759 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

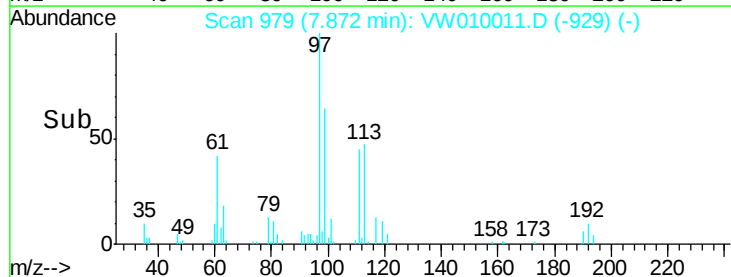
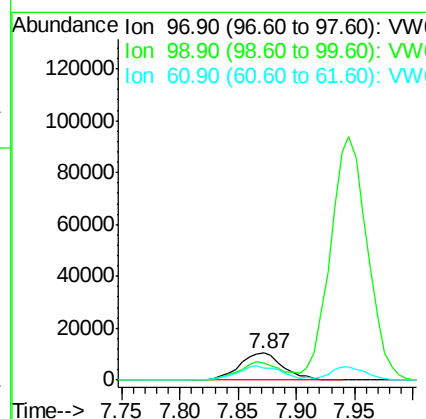
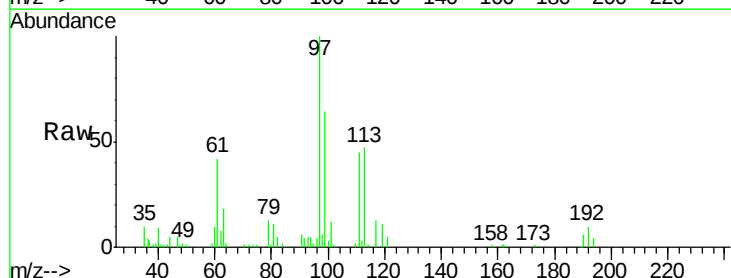
Tgt Ion: 97 Resp: 26994

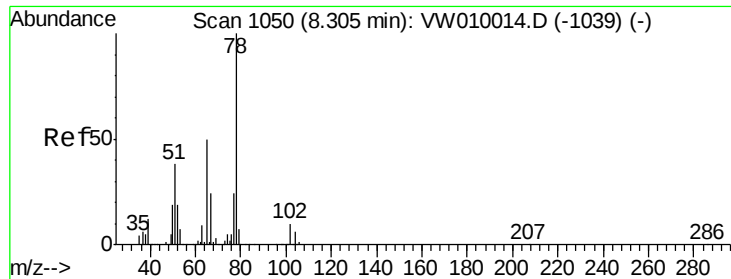
Ion Ratio Lower Upper

97 100

99 67.7 50.2 75.2

61 55.0 38.2 57.2





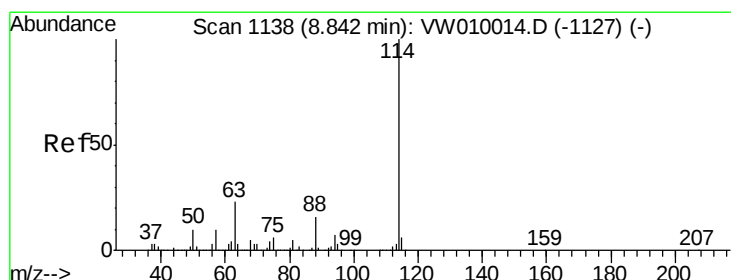
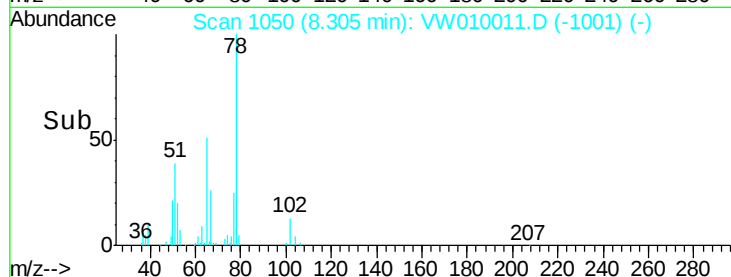
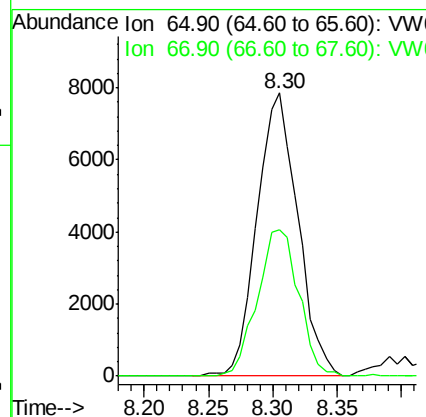
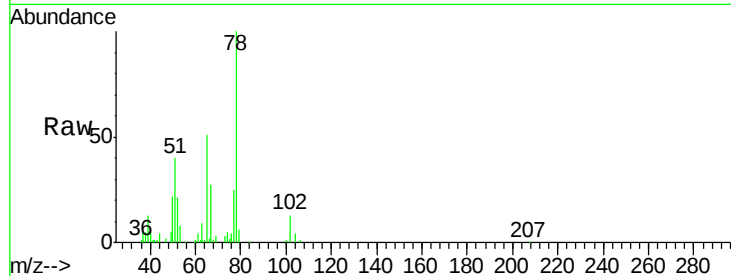
#33
 1,2-Dichloroethane-d4
 Concen: 4.115 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	100.8

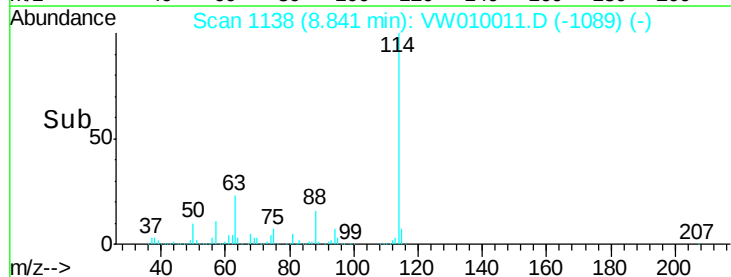
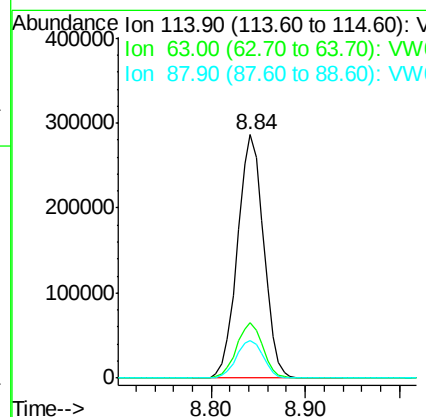
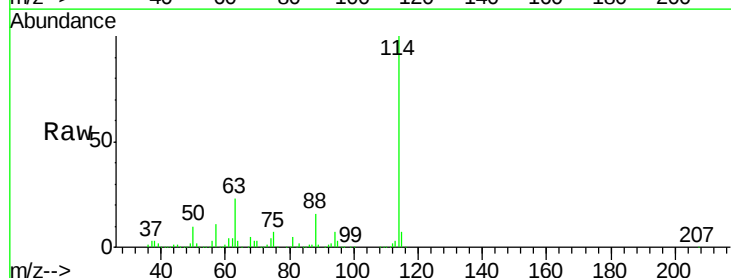
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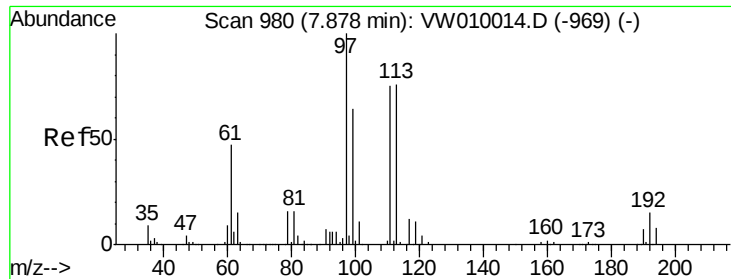
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	46.2
88	15.6	0.0	32.6





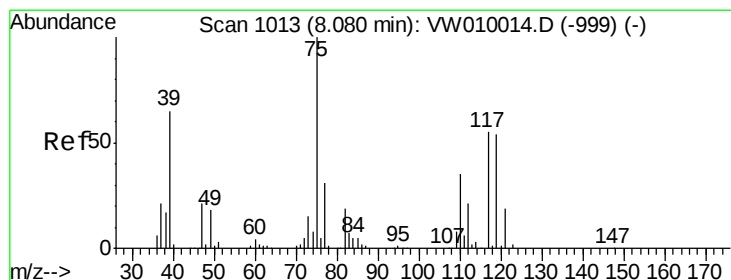
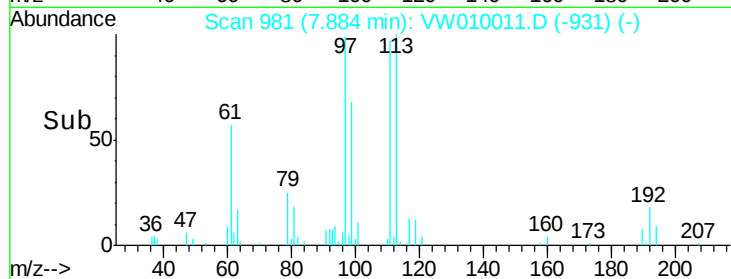
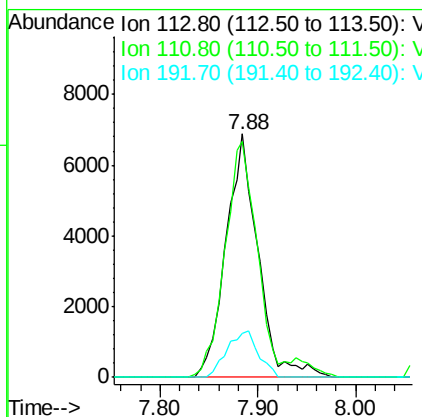
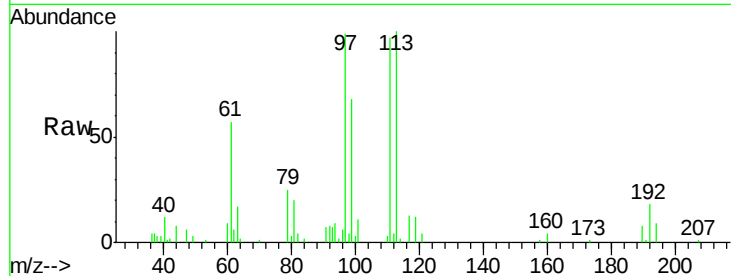
#35
 Dibromofluoromethane
 Concen: 4.450 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.7	82.6	123.8
192	18.5	15.4	23.2

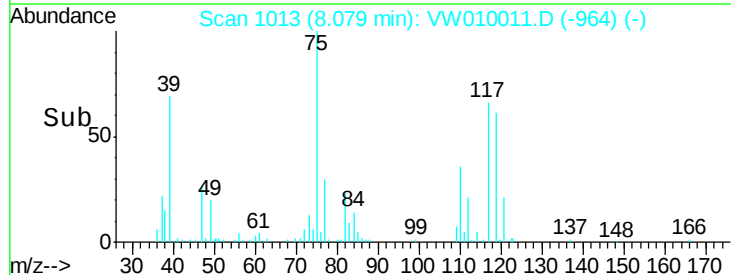
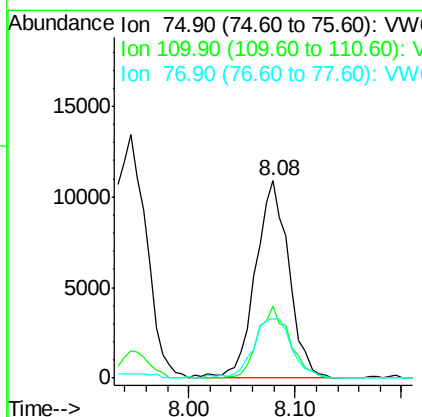
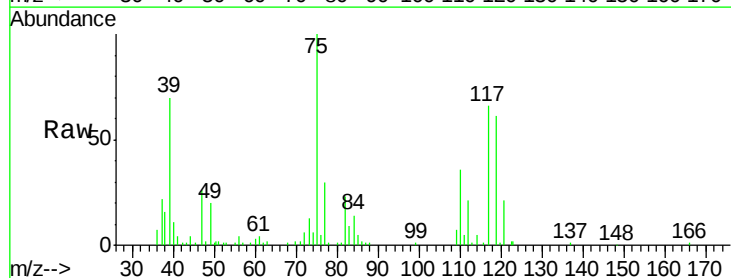
Manual Integrations
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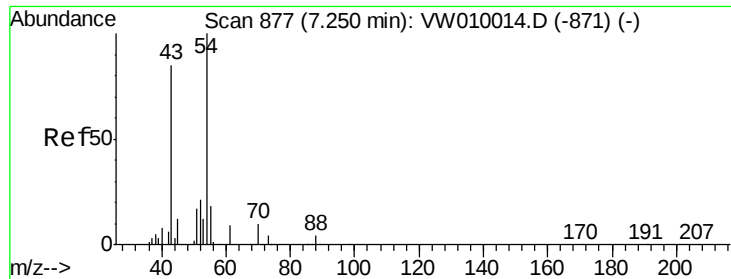
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#36
 1,1-Dichloropropene
 Concen: 4.237 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.6	49.8
77	35.1	24.8	37.2





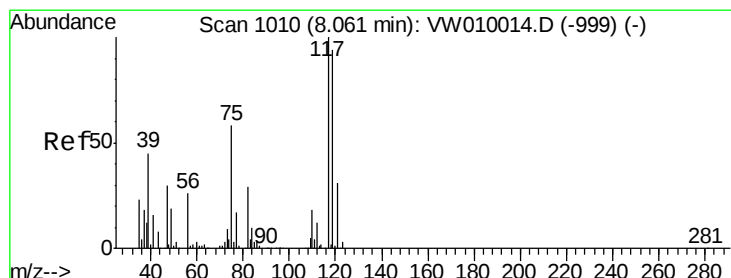
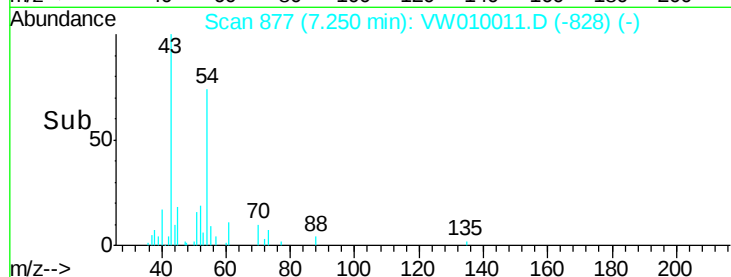
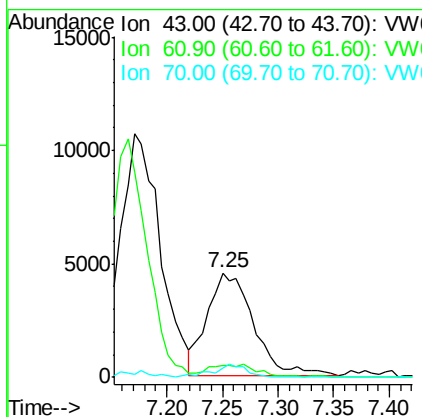
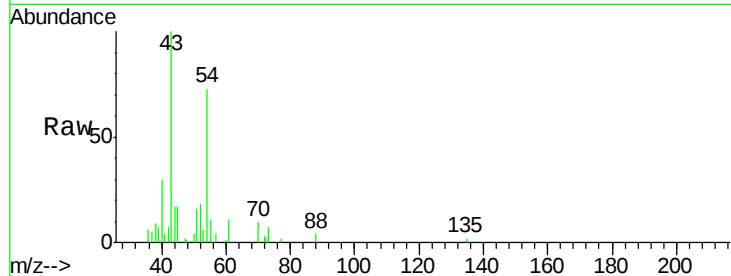
#37
Ethyl Acetate
Concen: 4.566 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	9.5	7.4	11.0

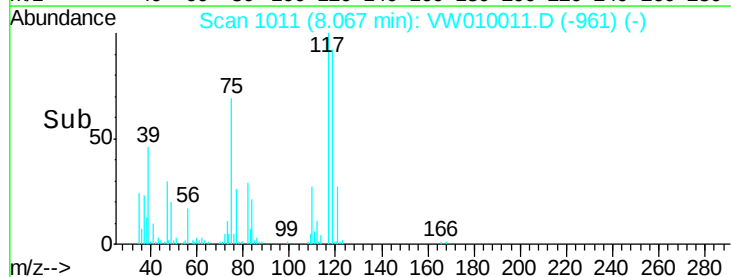
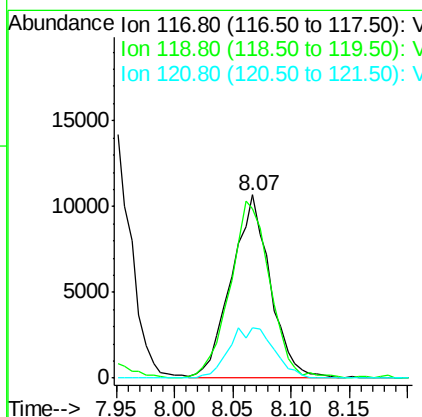
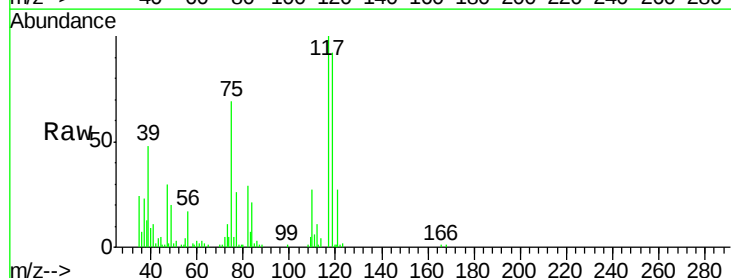
Manual Integrations
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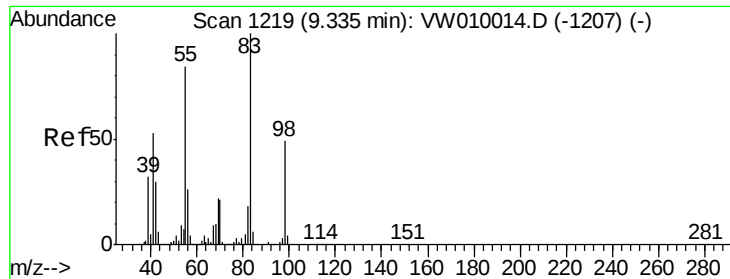
MMDadoda
4/18/2019 11:39:56 AM



#38
Carbon Tetrachloride
Concen: 4.515 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.3	112.9
121	27.5	24.4	36.6





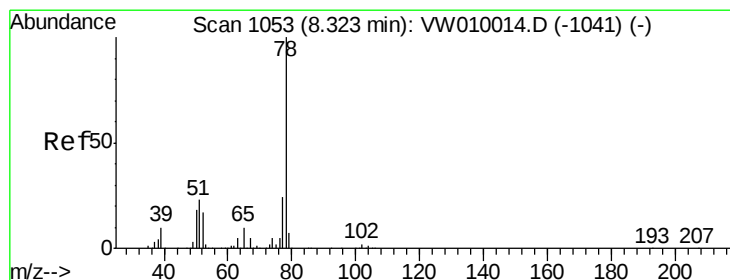
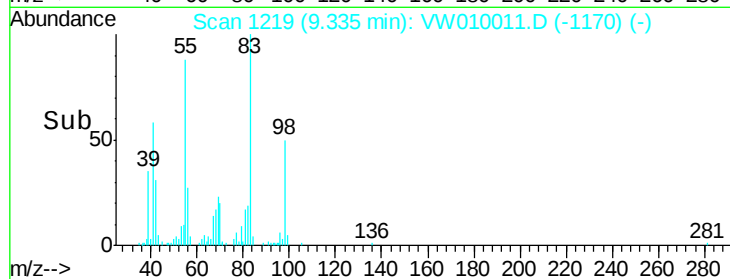
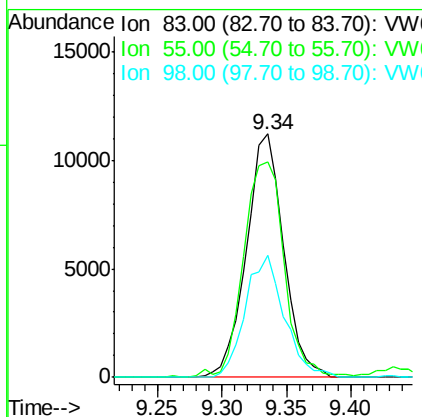
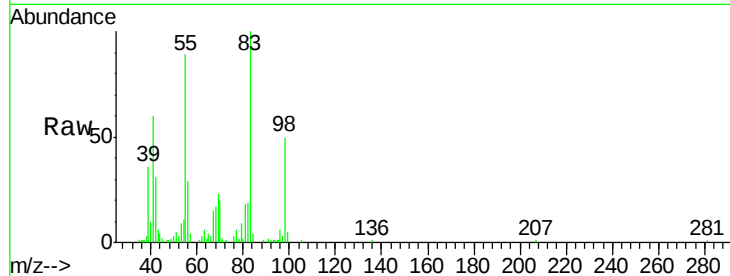
#39
Methvlcvclohexane
Concen: 3.528 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	67.1	100.7
98	50.2	39.2	58.8

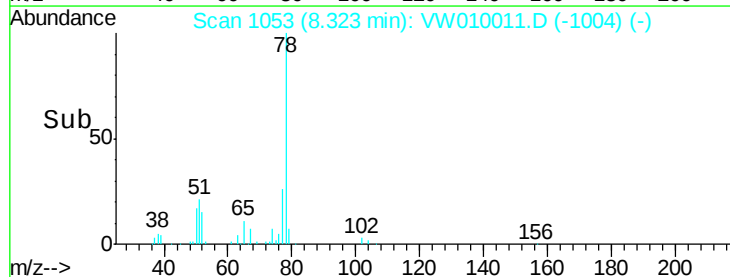
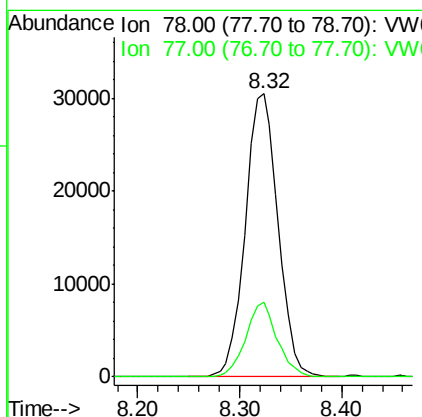
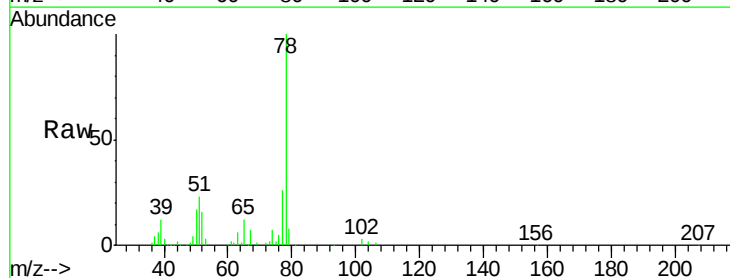
Manual Integrations
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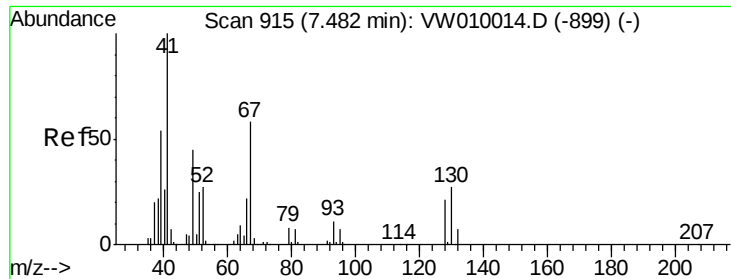
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4/18/2019 11:39:56 AM



#40
Benzene
Concen: 4.413 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7





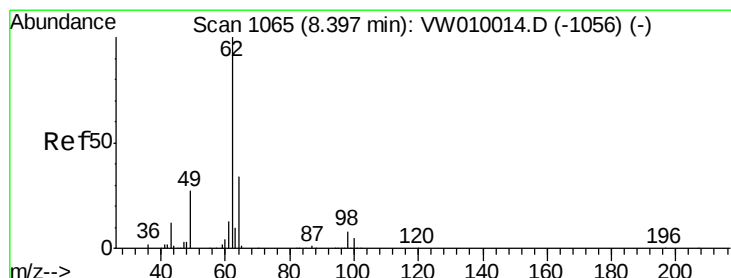
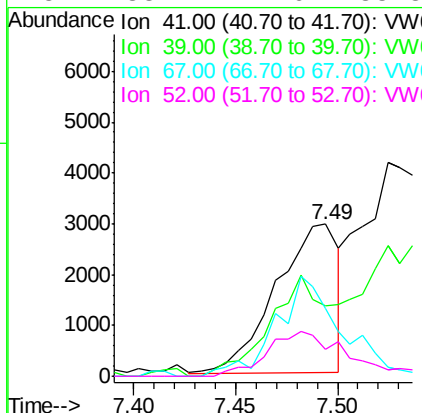
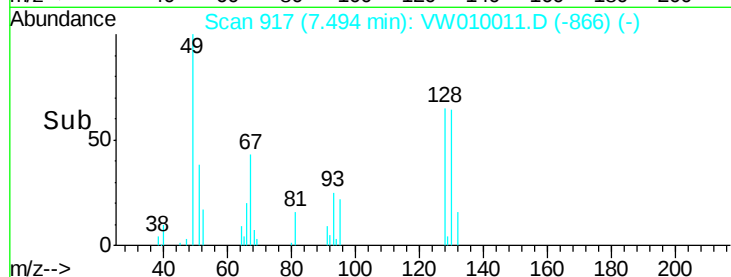
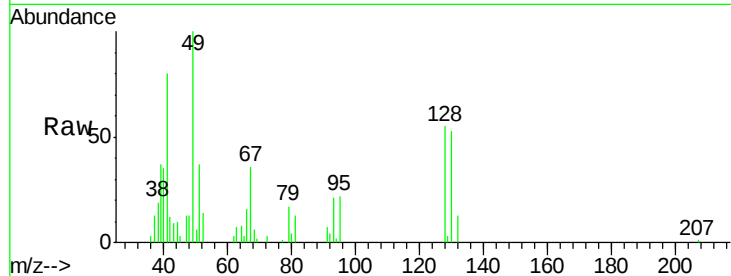
#41
Methacrylonitrile
Concen: 3.835 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6278
Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.0	67.4
67	69.8	50.7	76.1
52	38.4	22.6	33.8#

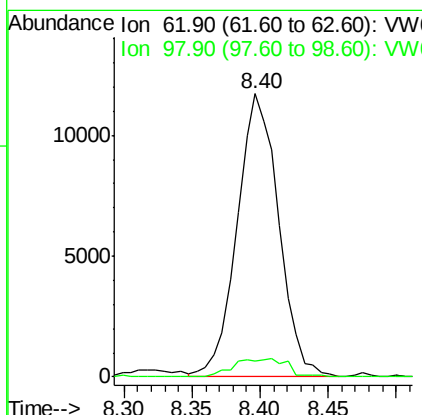
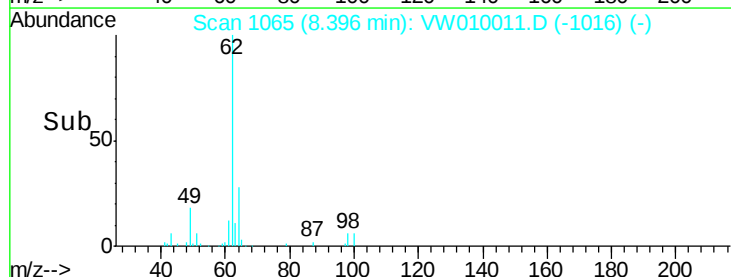
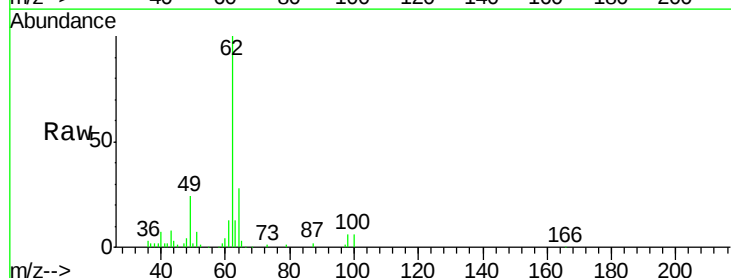
Manual Integrations
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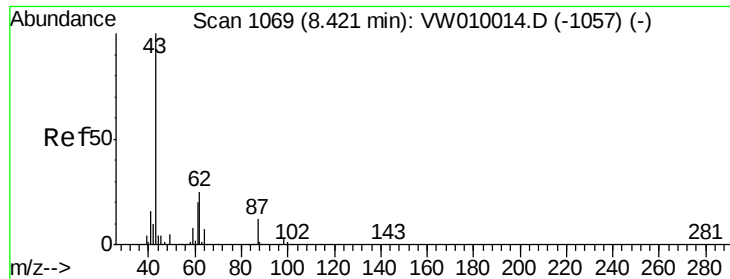
MMDadoda
4/18/2019 11:39:56 AM



#42
1,2-Dichloroethane
Concen: 4.716 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion:	62	Resp:	25049
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 4.258 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

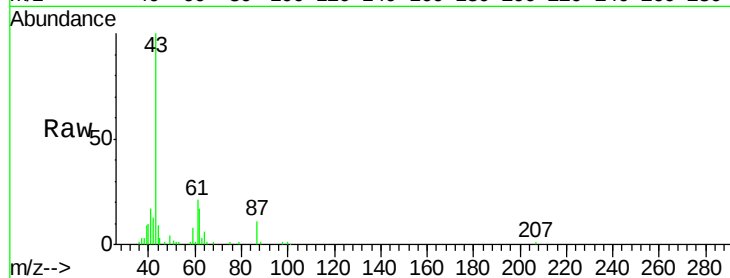
VSTDIC005

Tot Ion:	43	Resp:	22915
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.0	34.6
87	12.7	9.3	13.9

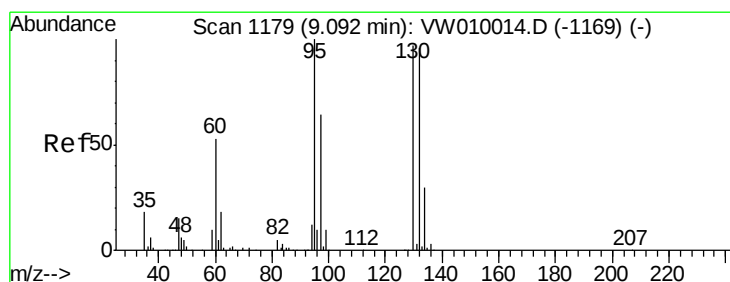
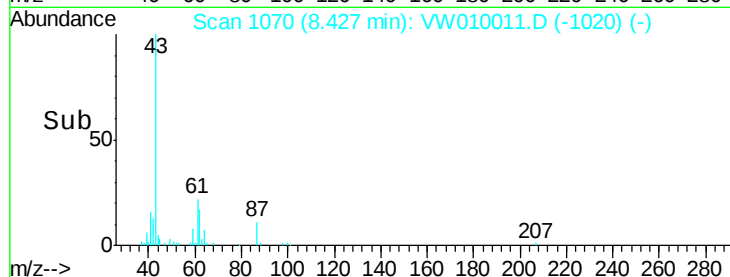
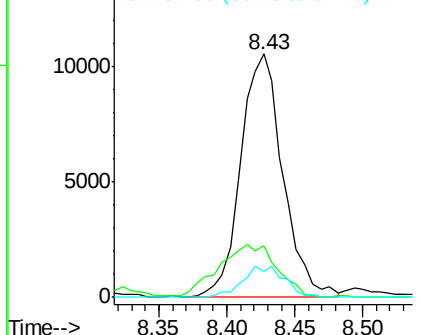
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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 4.399 ug/l

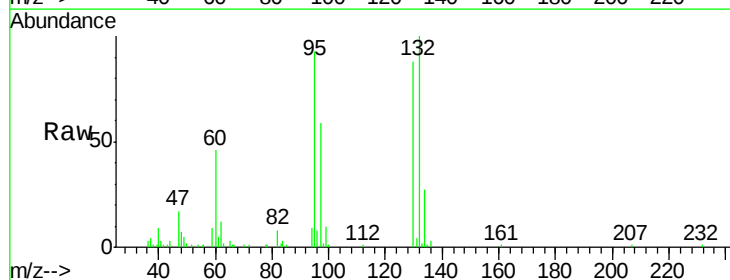
RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

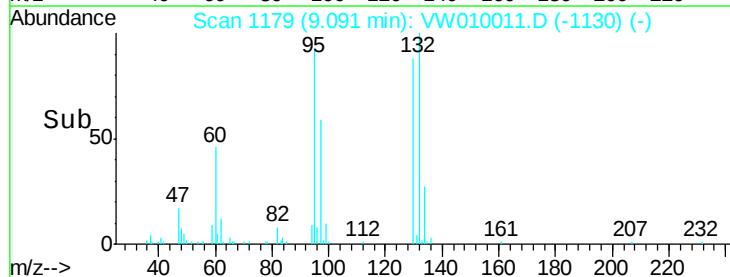
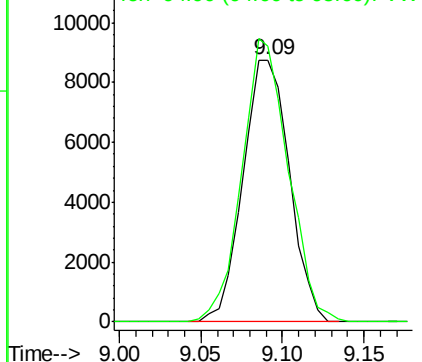
Lab File: VW010011.D

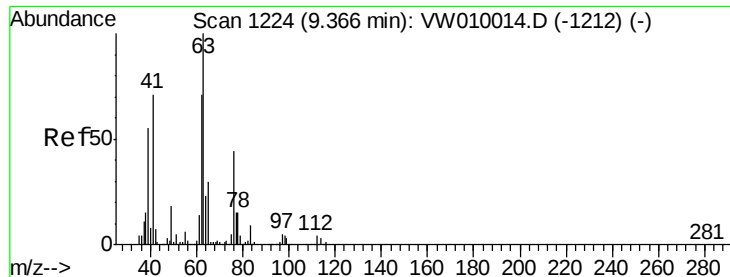
Acq: 17 Apr 2019 10:55

Tgt Ion:	130	Resp:	17269
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	205.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 4.585 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 18625

Ion Ratio Lower Upper

63 100

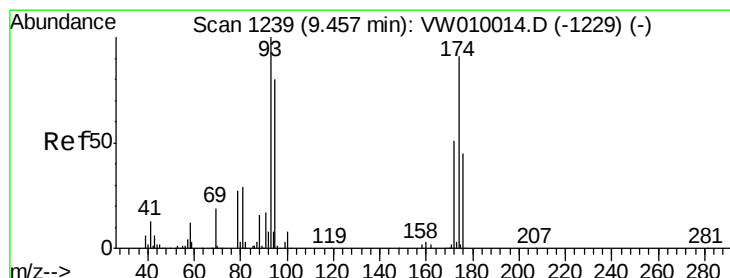
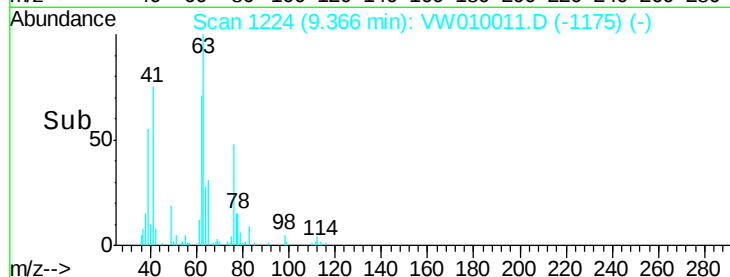
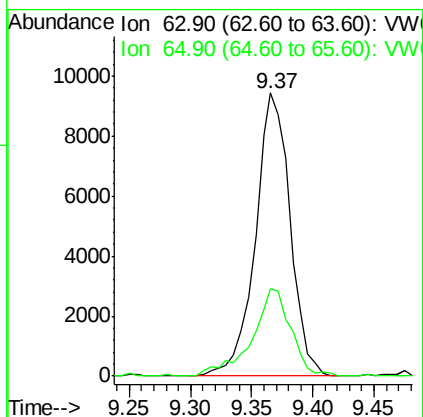
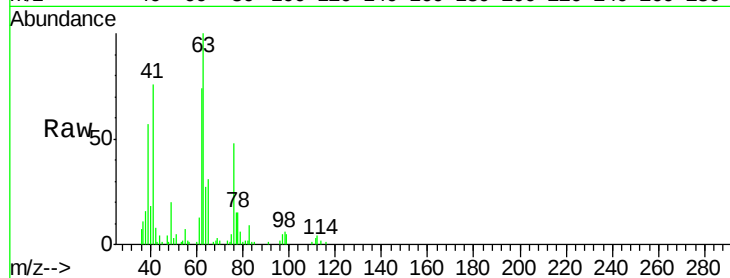
65 30.7 23.8 35.6

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#46

Dibromomethane

Concen: 4.655 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

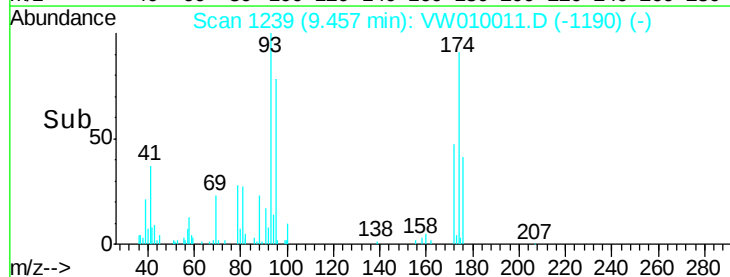
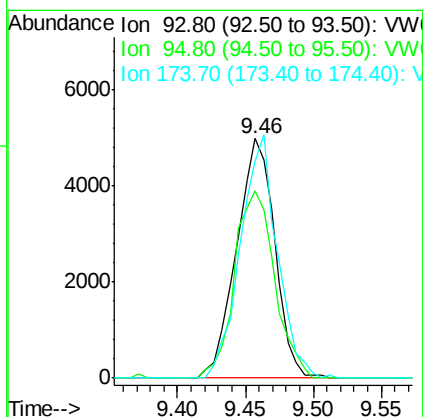
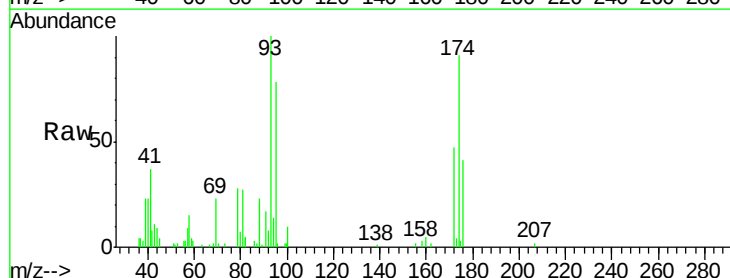
Tgt Ion: 93 Resp: 9802

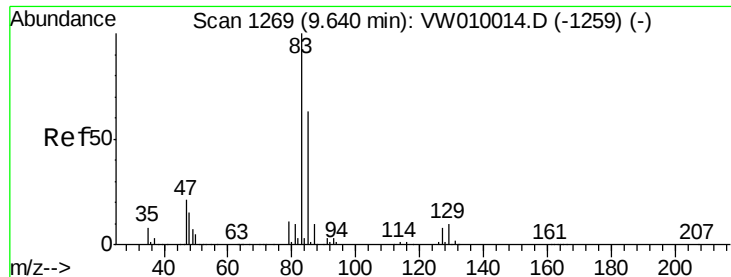
Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.8

174 97.7 75.5 113.3





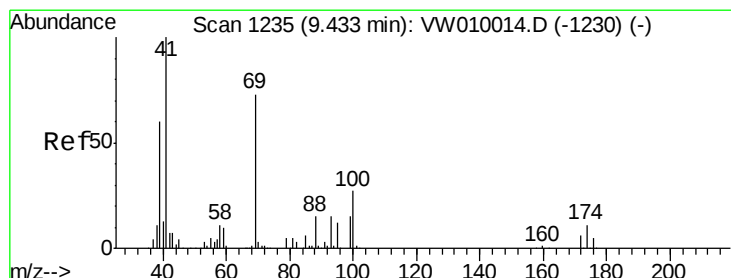
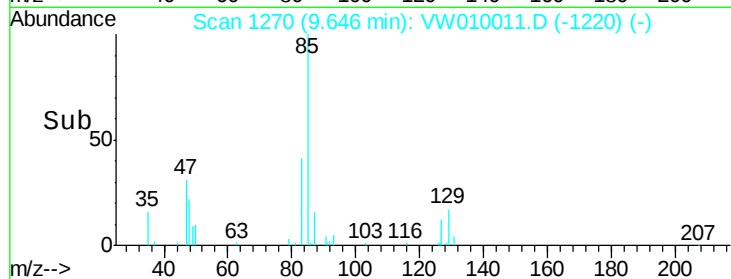
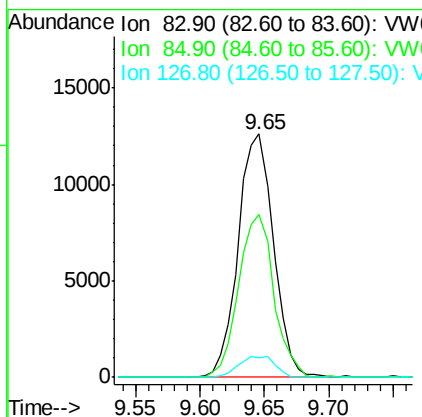
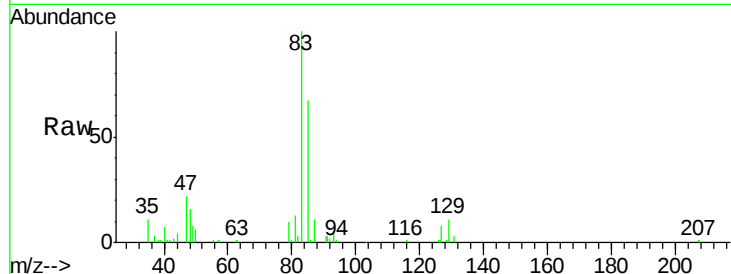
#47
 Bromodichloromethane
 Concen: 4.408 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	23960		
85	67.1		50.6	75.8
127	7.8		6.6	10.0

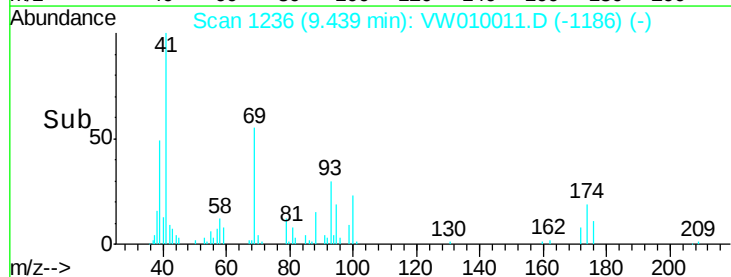
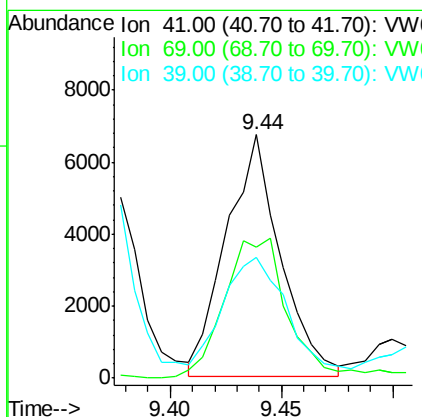
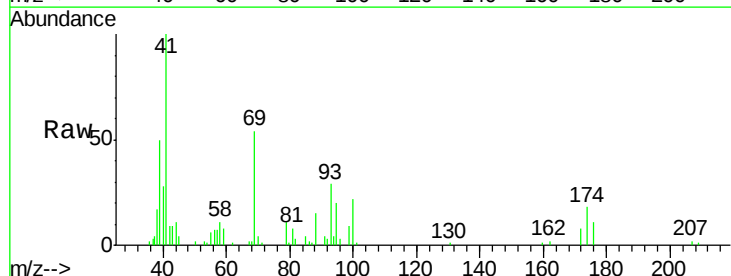
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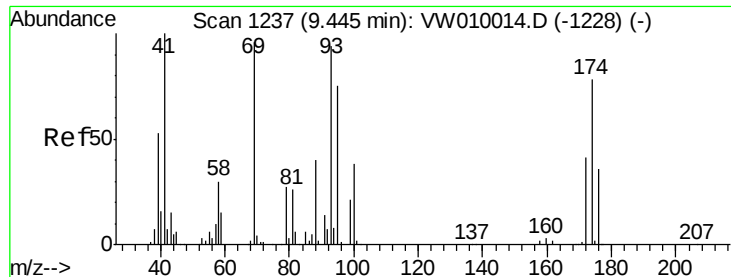
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#48
 Methyl methacrylate
 Concen: 4.345 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	11384		
69	69.7		60.1	90.1
39	57.7		51.0	76.6





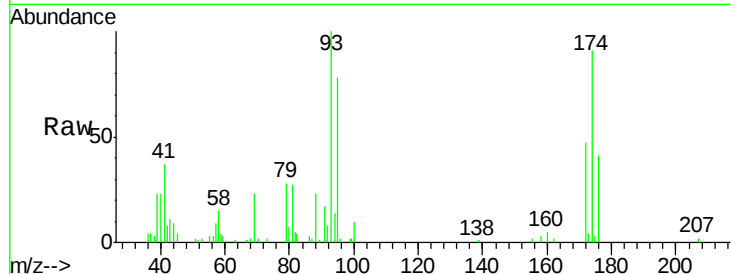
#49
1,4-Dioxane
Concen: 81.220 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2613
Ion	Ratio	Lower	Upper
88	100		
43	39.7	31.9	47.9
58	85.5	61.8	92.6

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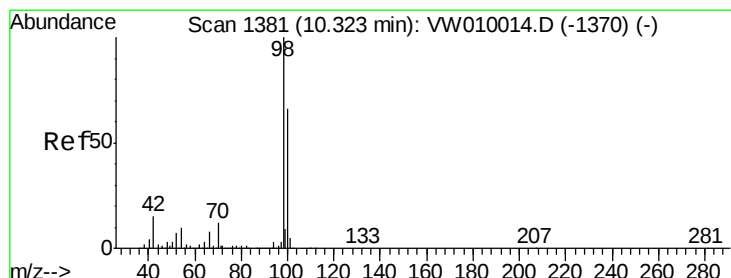
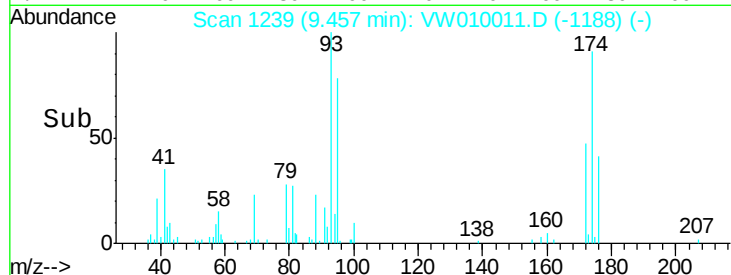
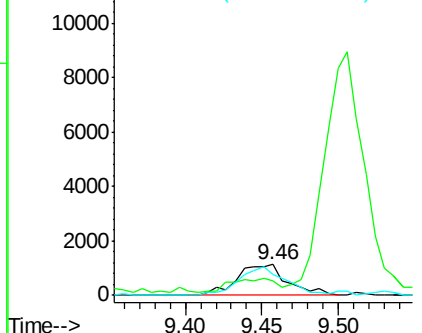


Abundance

Ion 88.00 (87.70 to 88.70): VW

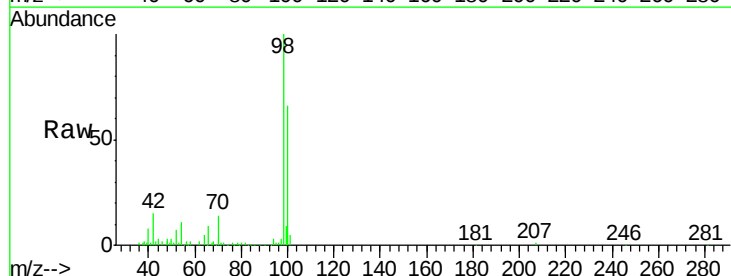
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 3.610 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

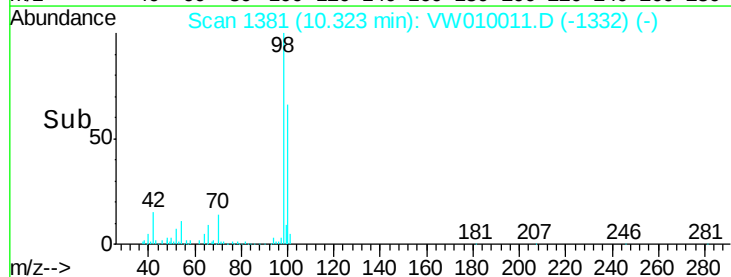
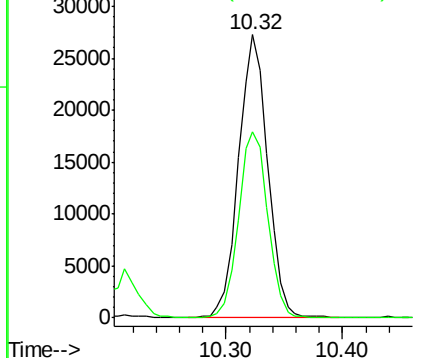
Tgt Ion	98	Resp	47595
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.3	78.5

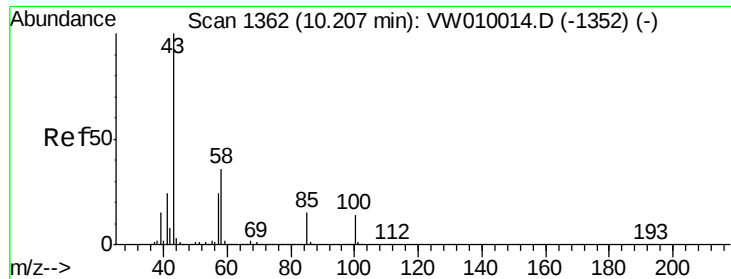


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 20.907 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 58937

Ion Ratio Lower Upper

43 100

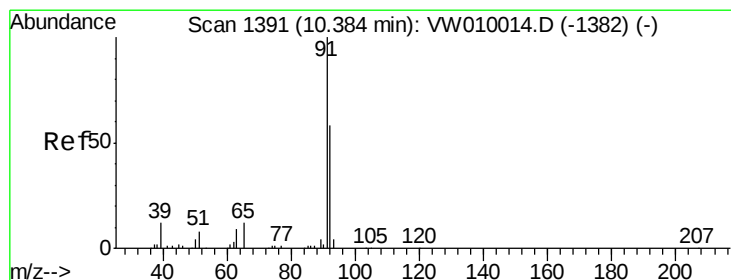
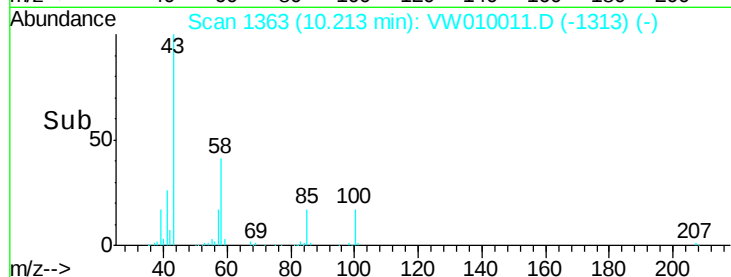
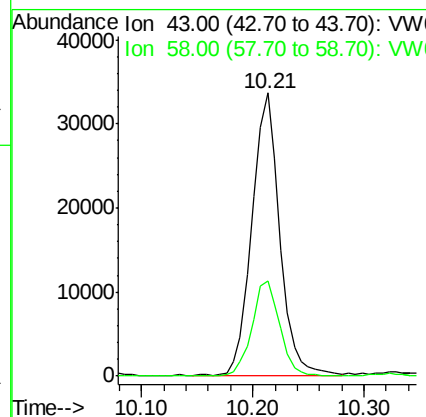
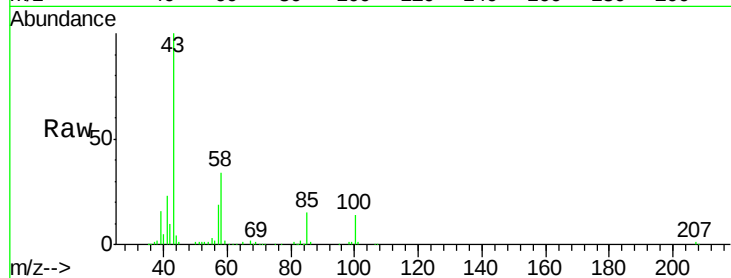
58 33.6 28.9 43.3

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#52

Toluene

Concen: 4.115 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010011.D

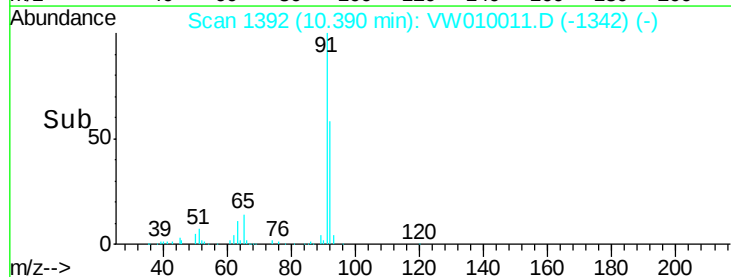
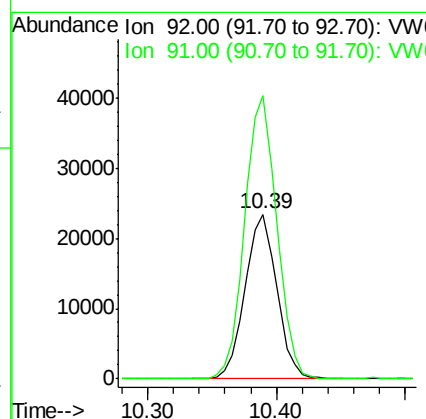
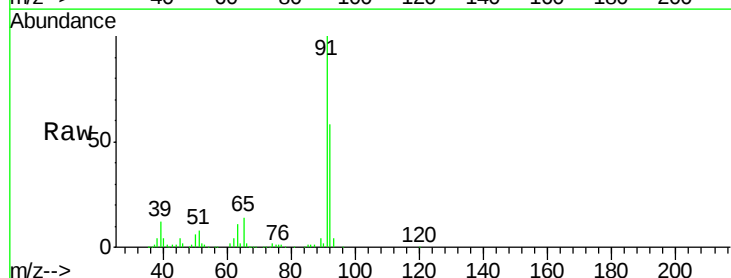
Acq: 17 Apr 2019 10:55

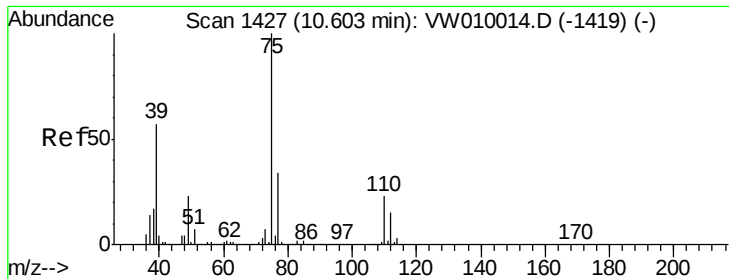
Tgt Ion: 92 Resp: 39616

Ion Ratio Lower Upper

92 100

91 175.0 138.5 207.7





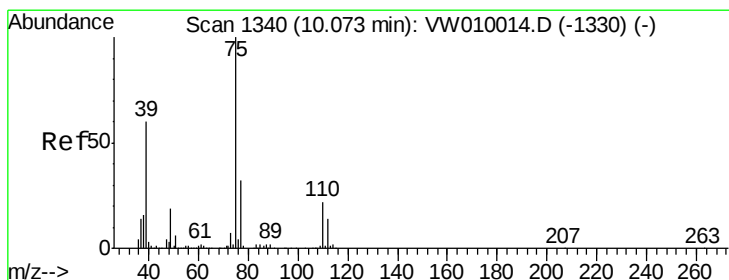
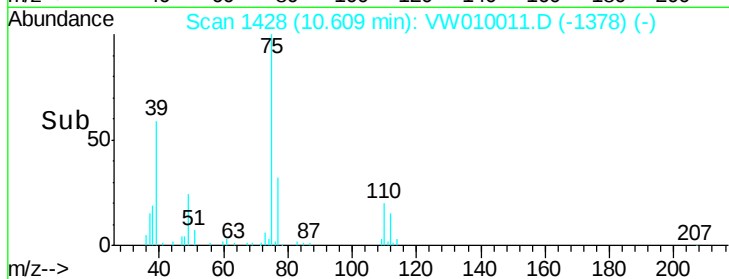
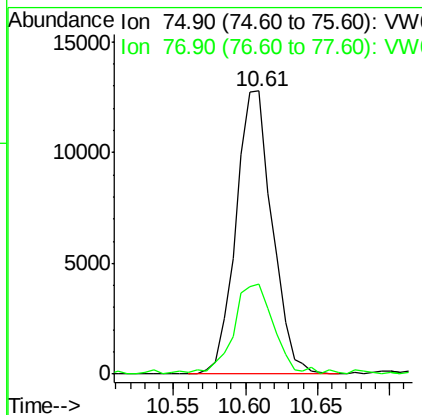
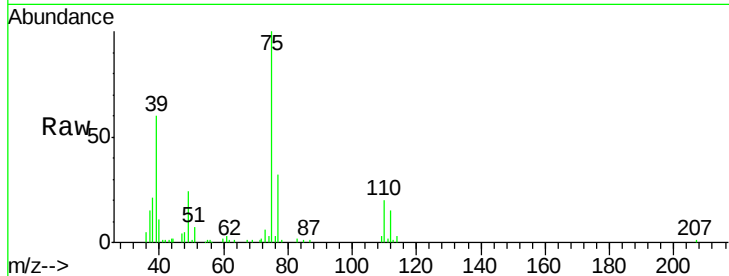
#53
t-1,3-Dichloropropene
Concen: 4.136 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 22290
Ion Ratio Lower Upper
75 100
77 31.0 26.9 40.3

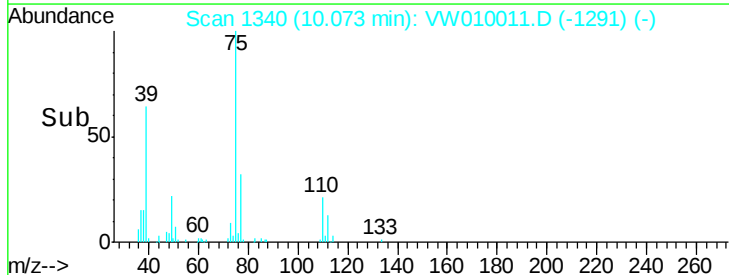
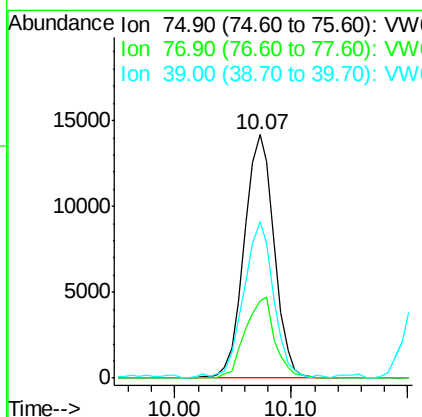
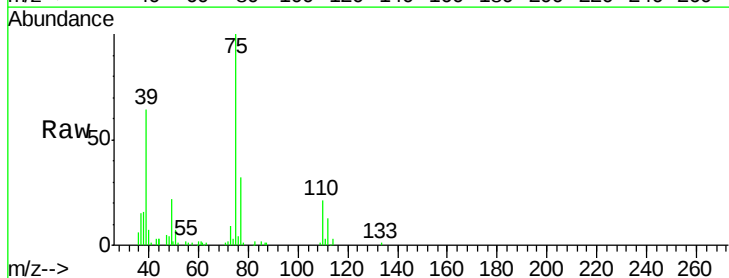
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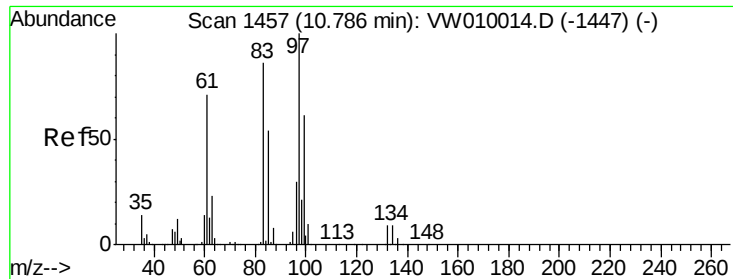
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#54
cis-1,3-Dichloropropene
Concen: 4.145 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion: 75 Resp: 25508
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 64.1 47.8 71.6





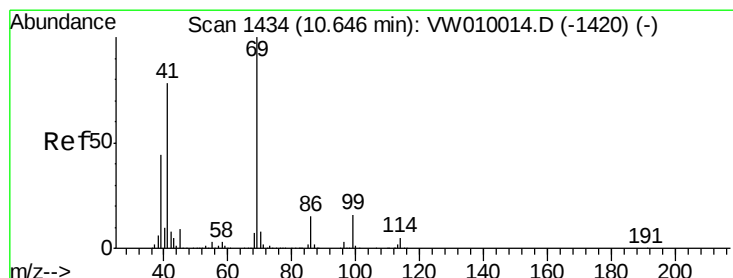
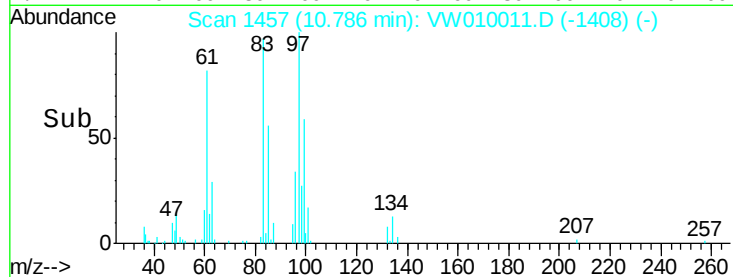
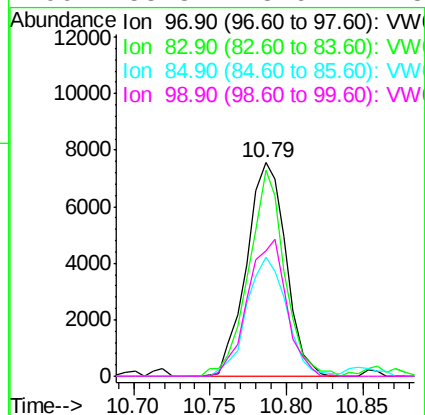
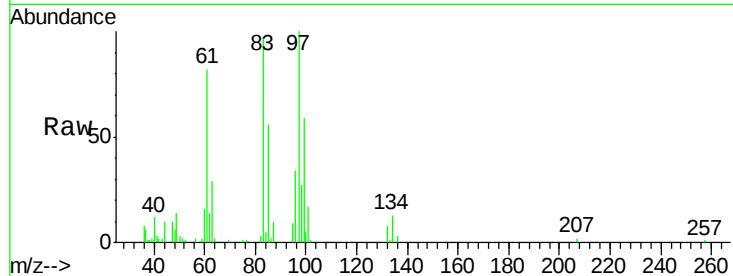
#55
 1,1,2-Trichloroethane
 Concen: 4.610 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	13549
Ion	Ratio	Lower	Upper
97	100		
83	96.7	68.9	103.3
85	55.9	42.9	64.3
99	58.8	48.6	72.8

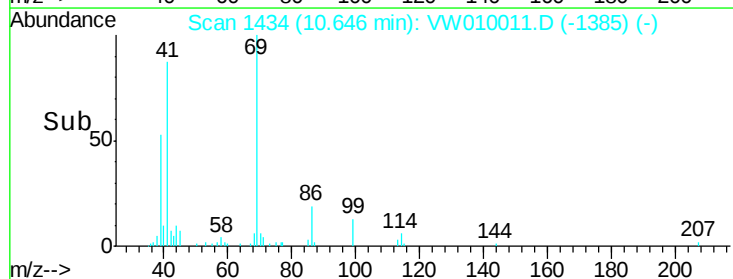
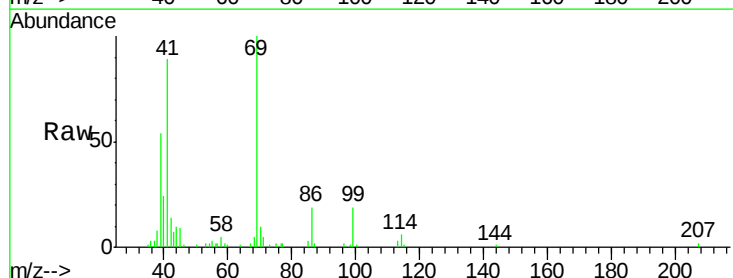
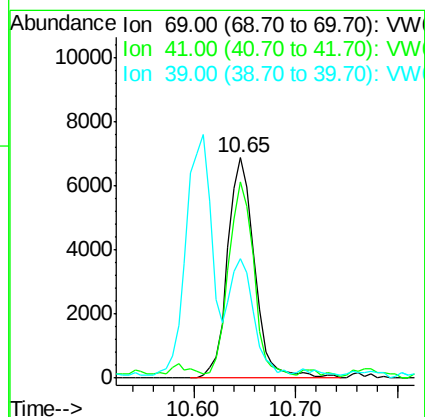
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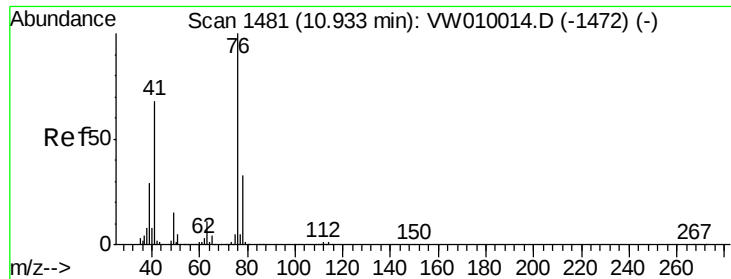
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#56
 Ethyl methacrylate
 Concen: 3.457 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion:	69	Resp:	12630
Ion	Ratio	Lower	Upper
69	100		
41	81.3	61.0	91.6
39	47.7	33.8	50.6





#57

1,3-Dichloropropane

Concen: 4.619 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 24330

Ion Ratio Lower Upper

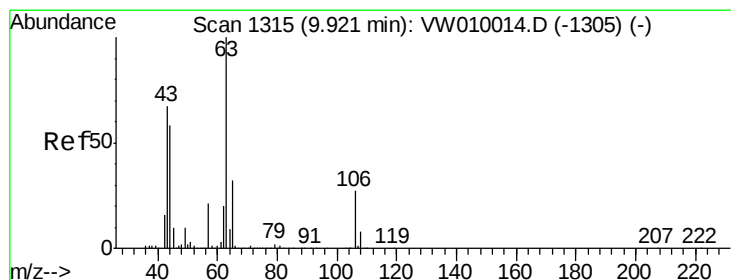
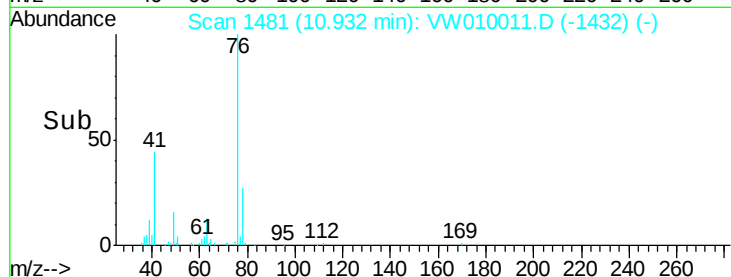
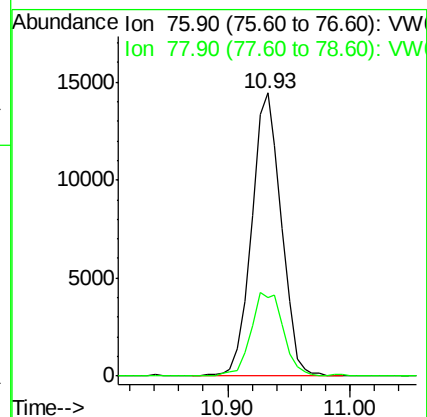
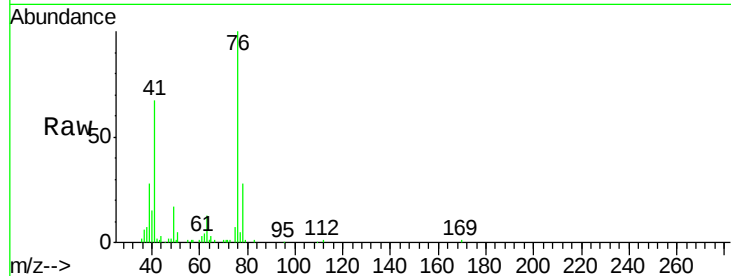
76 100

78 32.1 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 21.027 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010011.D

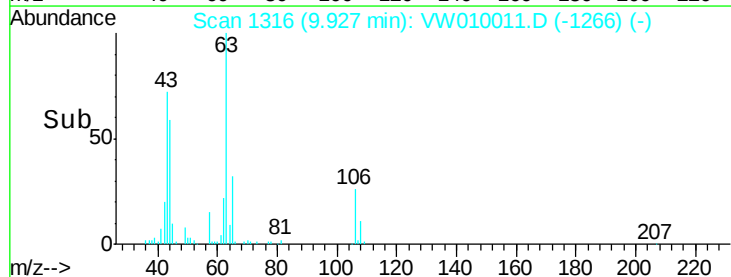
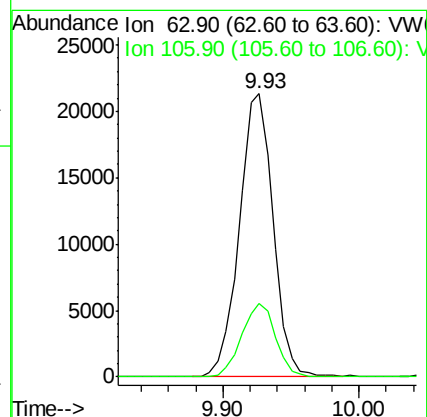
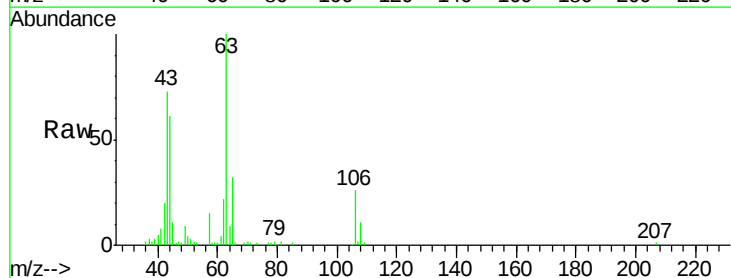
Acq: 17 Apr 2019 10:55

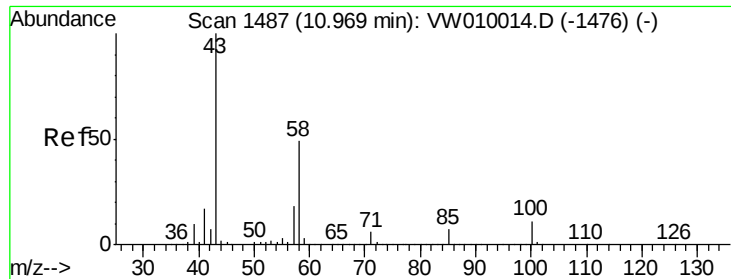
Tgt Ion: 63 Resp: 36924

Ion Ratio Lower Upper

63 100

106 26.1 21.4 32.0





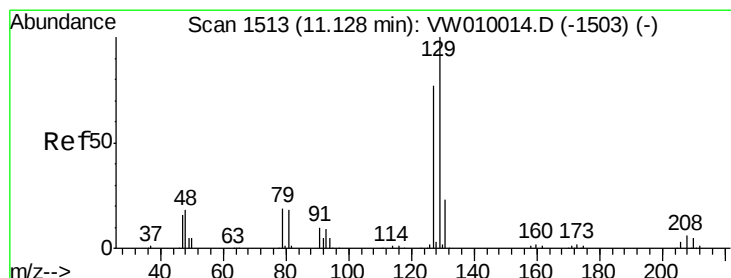
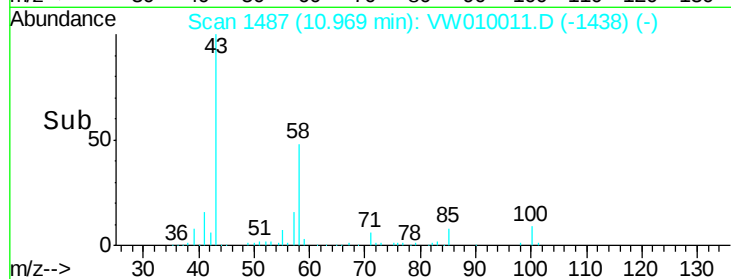
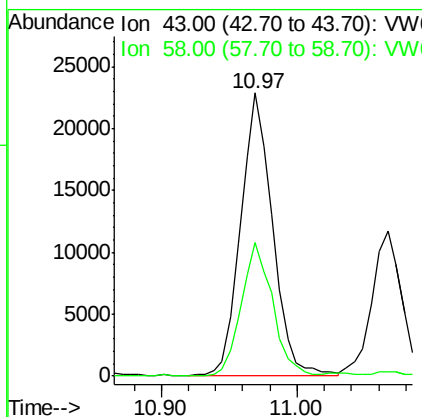
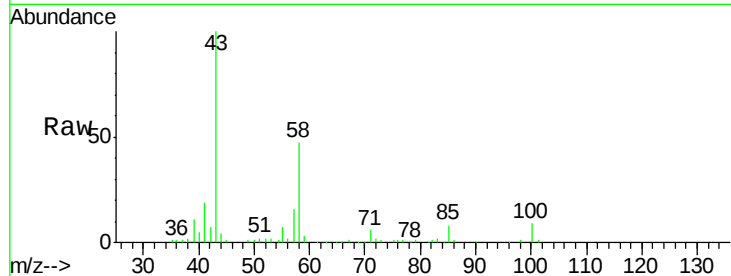
#59
2-Hexanone
Concen: 19.208 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 37692
Ion Ratio Lower Upper
43 100
58 46.2 24.9 74.7

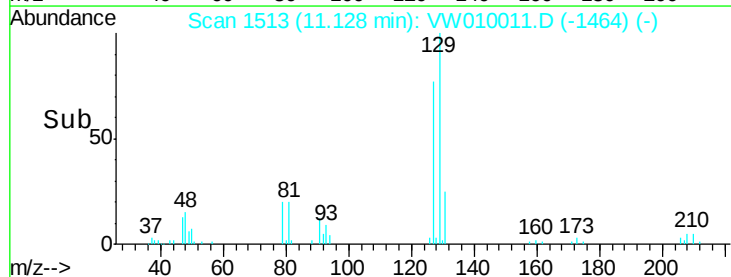
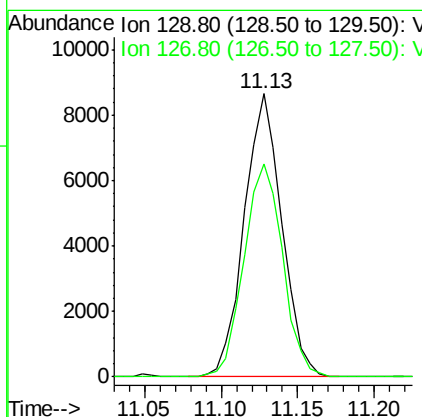
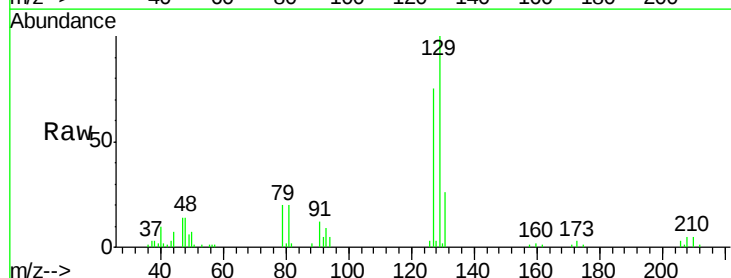
Manual Integrations
APPROVED

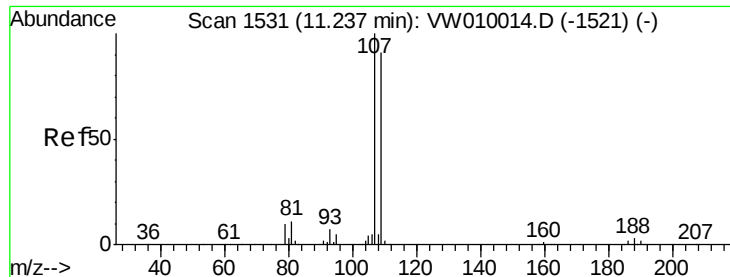
MMDadoda
4/18/2019 11:39:56 AM



#60
Dibromochloromethane
Concen: 4.351 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion: 129 Resp: 14778
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





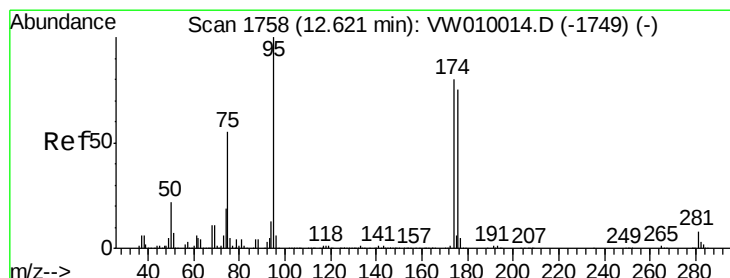
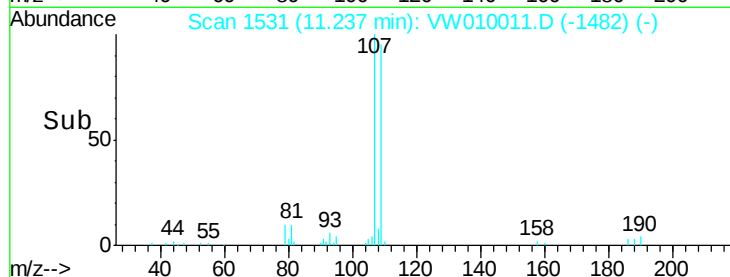
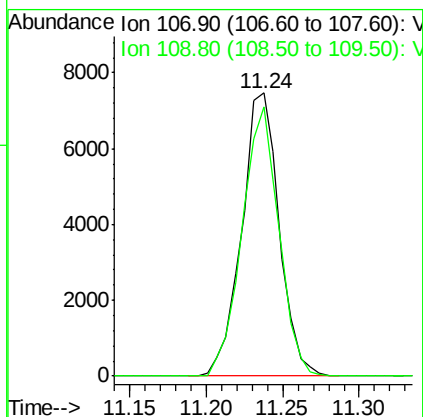
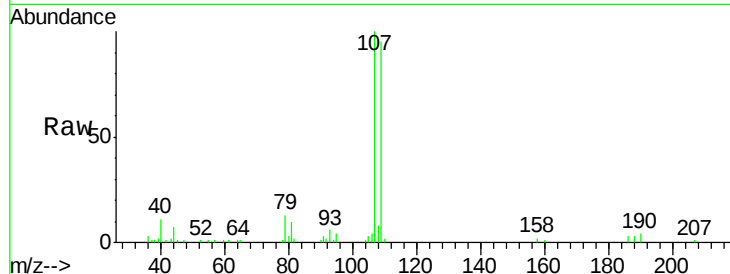
#61
 1,2-Dibromoethane
 Concen: 4.539 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 12689
 Ion Ratio Lower Upper
 107 100
 109 93.4 73.6 110.4

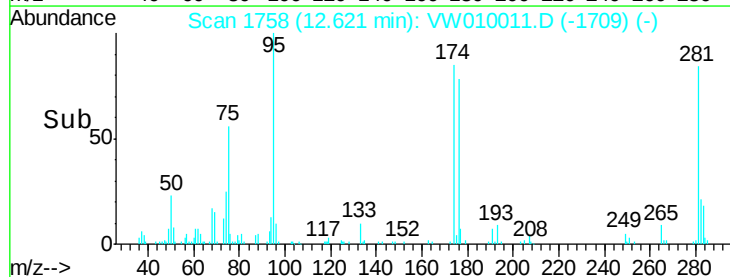
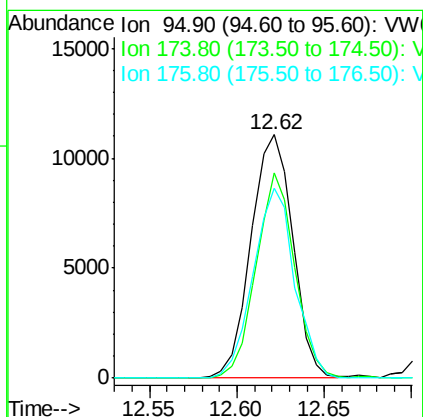
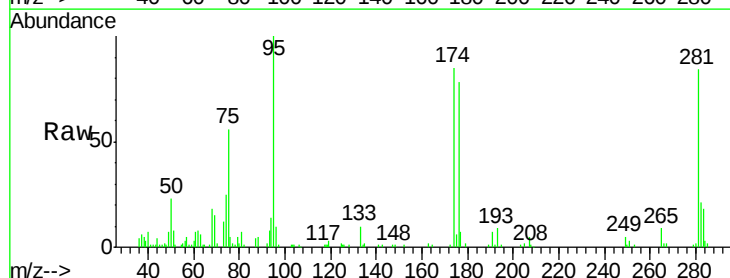
Manual Integrations
 APPROVED

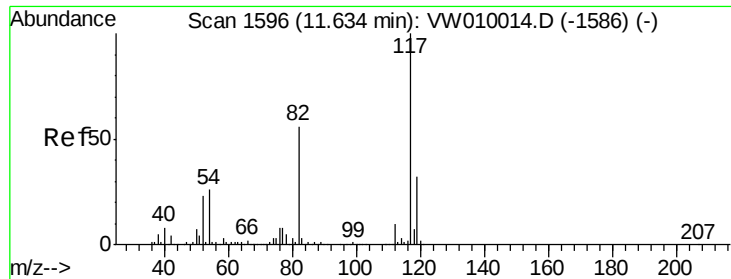
MMDadoda
 4/18/2019 11:39:56 AM



#62
 4-Bromofluorobenzene
 Concen: 3.866 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion: 95 Resp: 18524
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 151.4
 176 77.7 0.0 146.2





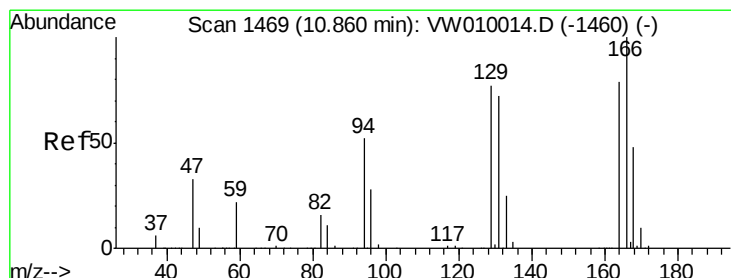
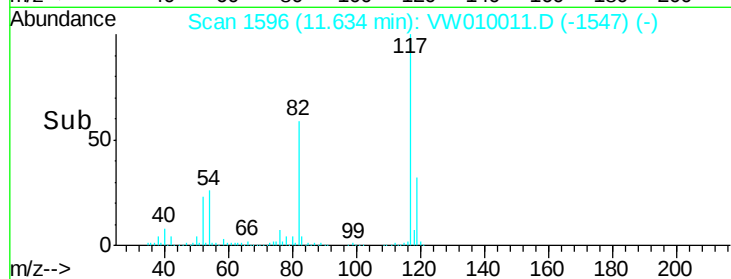
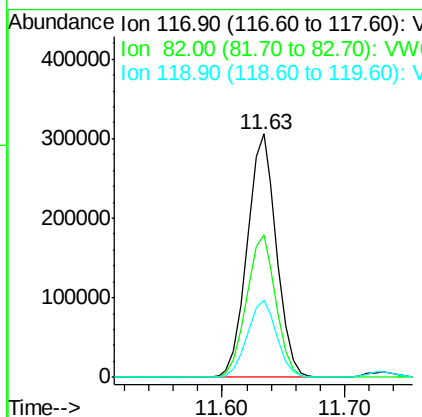
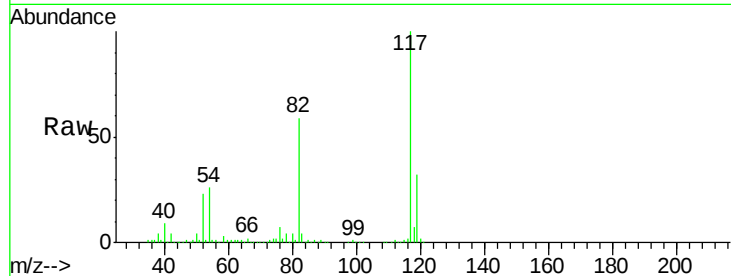
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	505694		
82	58.6		45.2	67.8
119	31.8		25.4	38.2

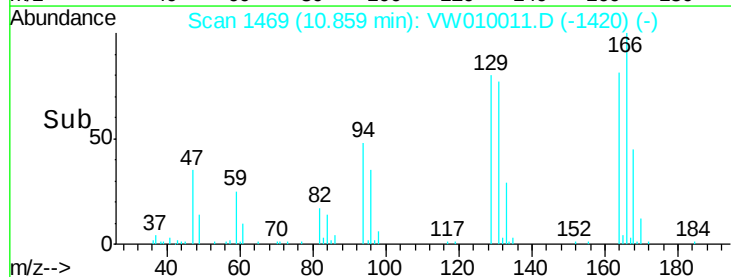
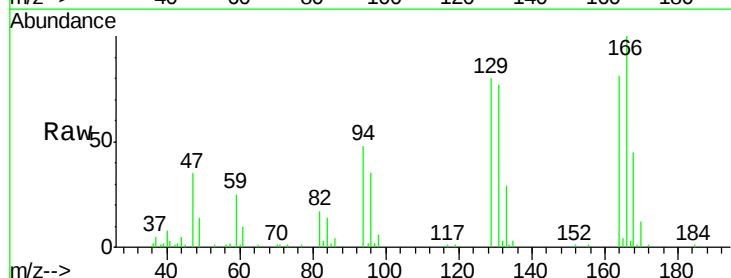
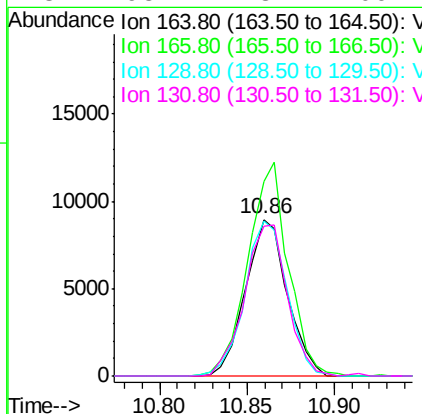
Manual Integrations
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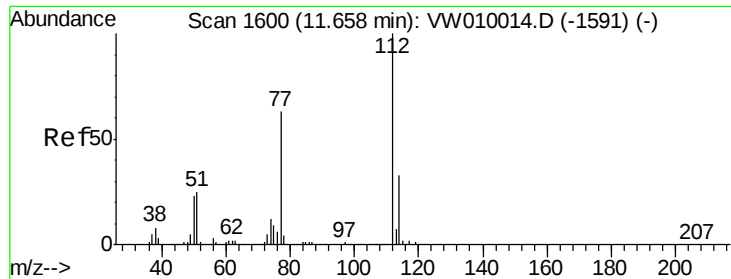
MMDadoda
4/18/2019 11:39:56 AM



#64
Tetrachloroethene
Concen: 4.550 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14936		
166	124.1		101.2	151.8
129	99.0		77.8	116.6
131	95.7		73.1	109.7





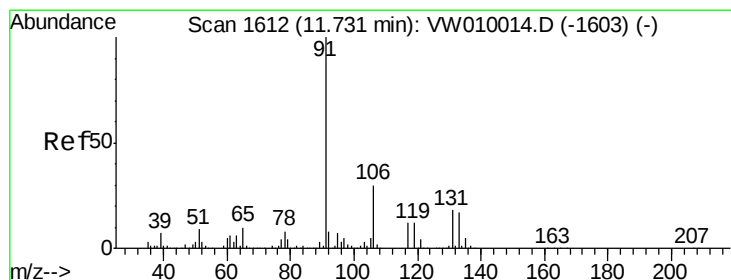
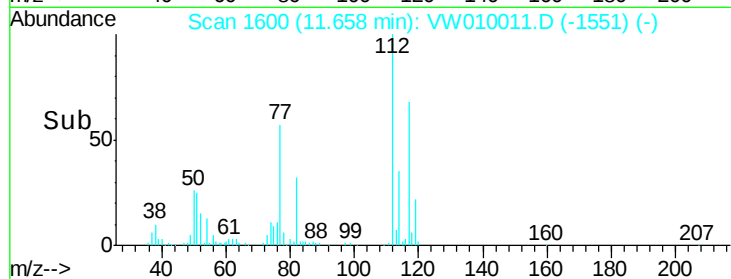
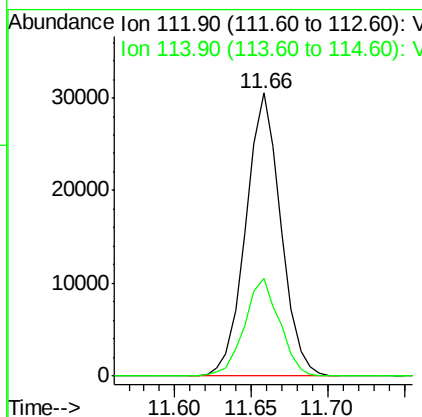
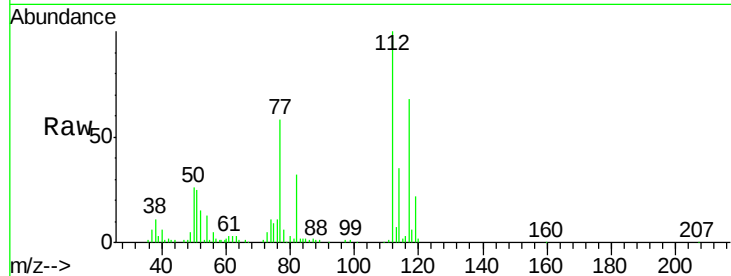
#65
Chlorobenzene
Concen: 4.693 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 48577
Ion Ratio Lower Upper
112 100
114 34.7 26.5 39.7

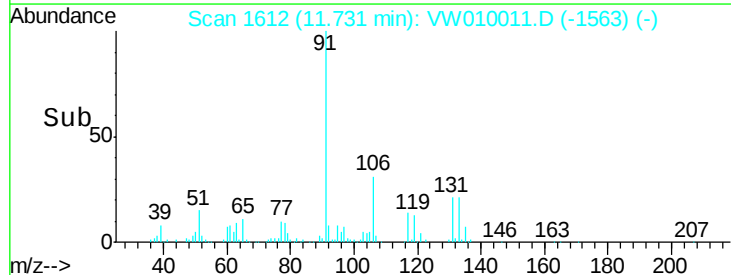
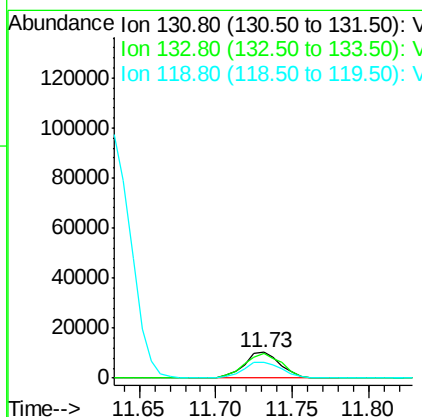
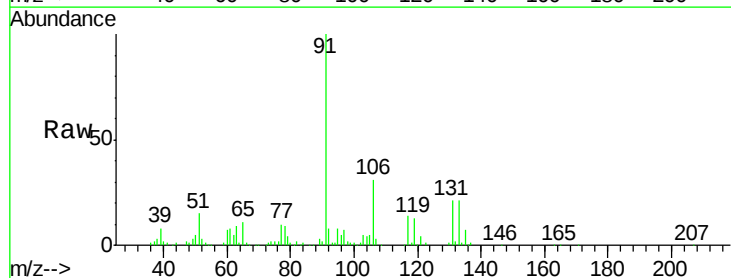
Manual Integrations
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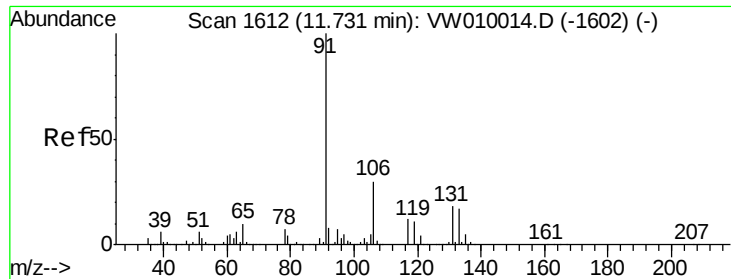
MMDadoda
4/18/2019 11:39:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.629 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion:131 Resp: 17135
Ion Ratio Lower Upper
131 100
133 98.6 46.5 139.5
119 66.6 31.9 95.5





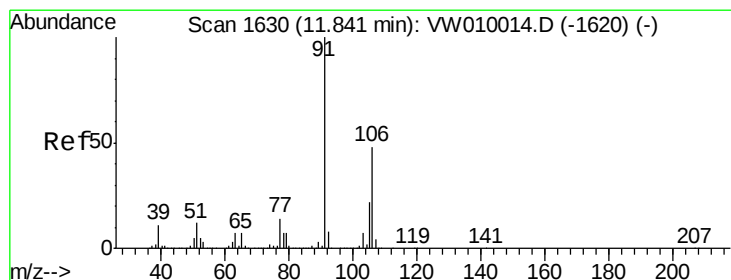
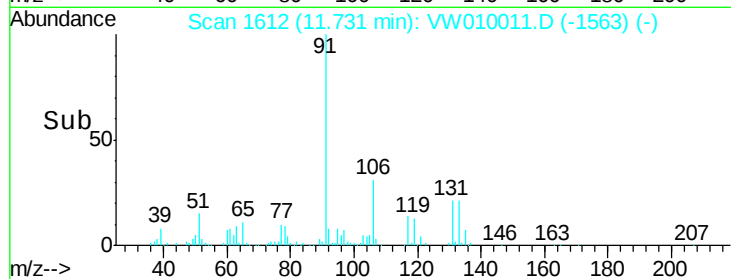
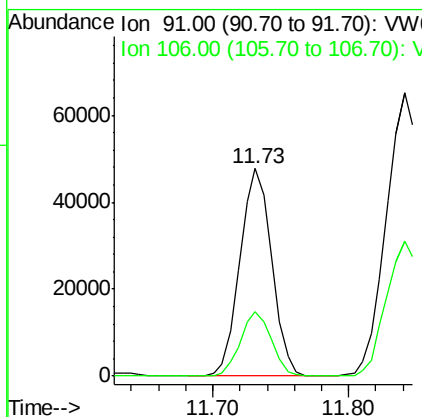
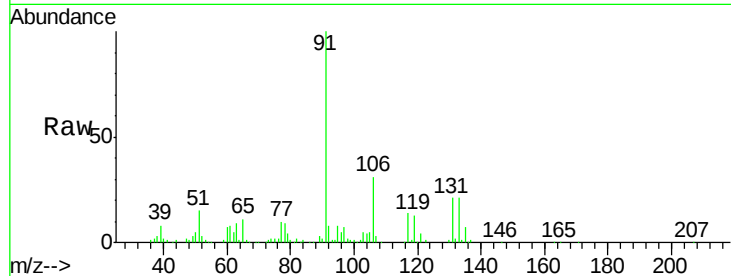
#67
Ethyl Benzene
Concen: 4.232 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 78146
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.8

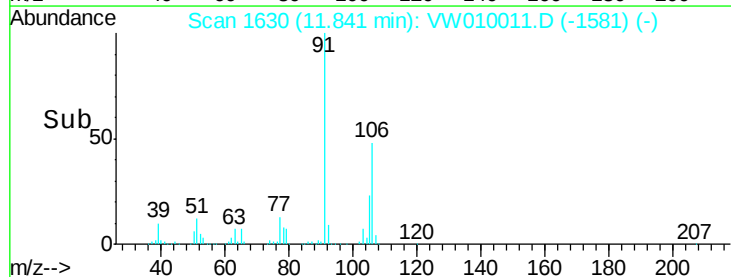
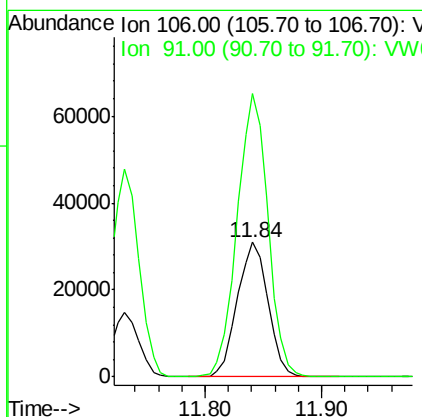
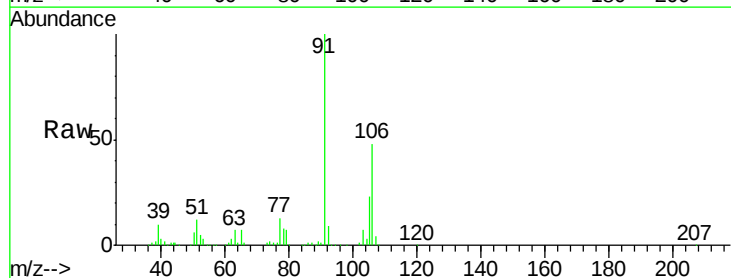
Manual Integrations
APPROVED

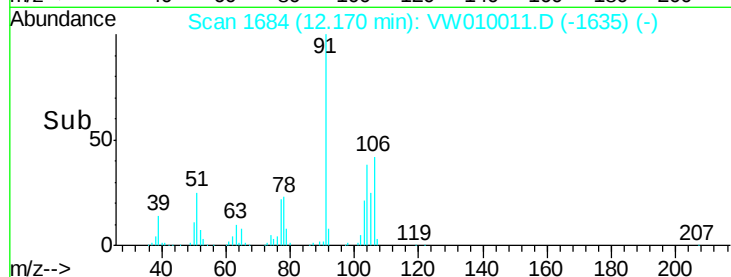
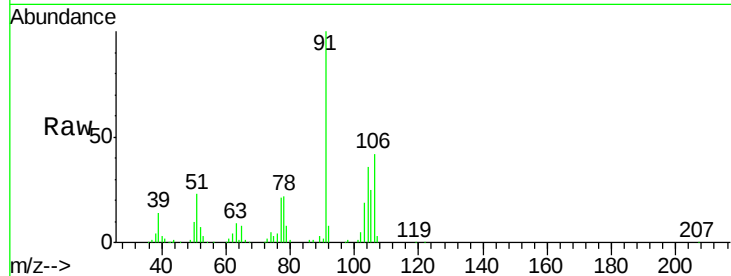
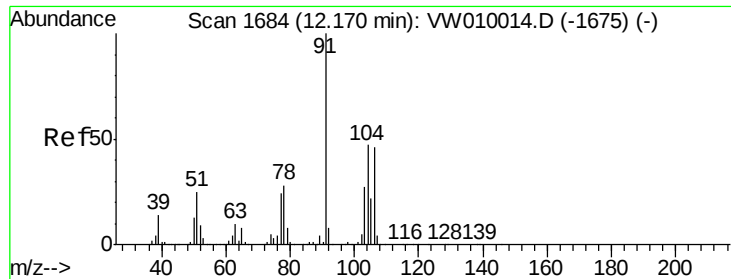
MMDadoda
4/18/2019 11:39:56 AM



#68
m/p-Xylenes
Concen: 8.299 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion: 106 Resp: 57290
Ion Ratio Lower Upper
106 100
91 209.7 165.0 247.6





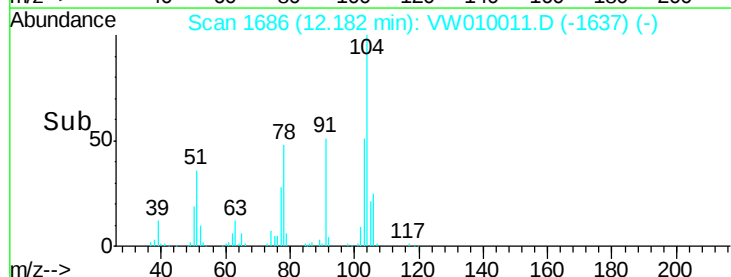
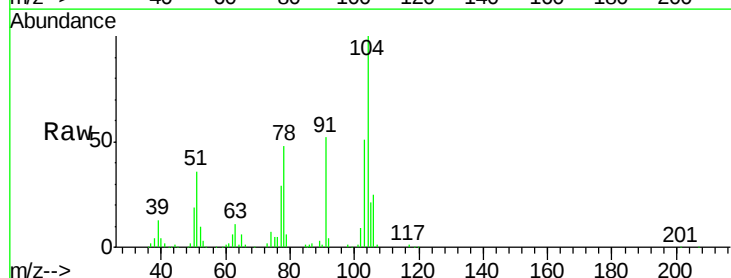
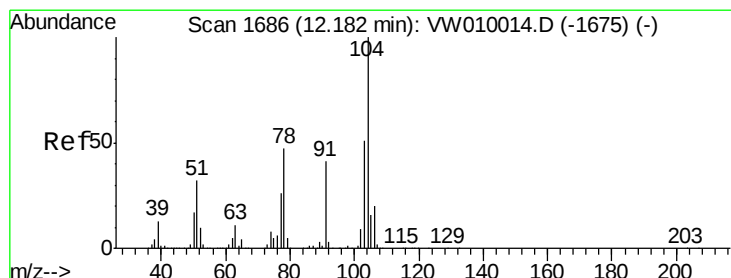
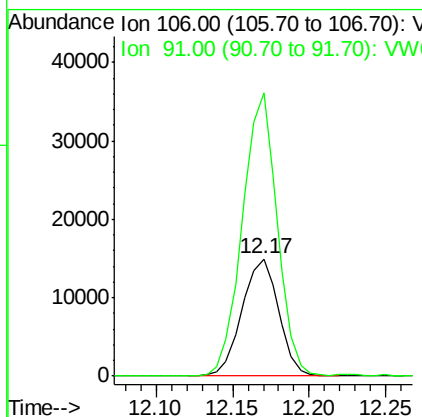
#69
o-Xylene
Concen: 3.973 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tot Ion:106 Resp: 24970
Ion Ratio Lower Upper
106 100
91 228.5 110.5 331.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

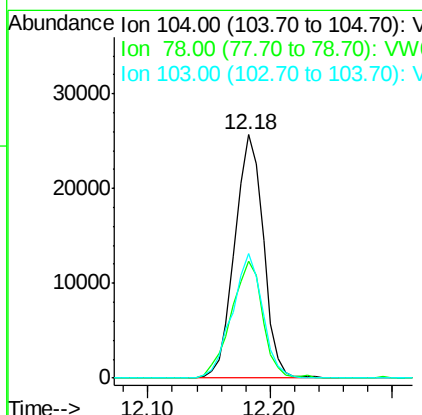
Manual Integrations
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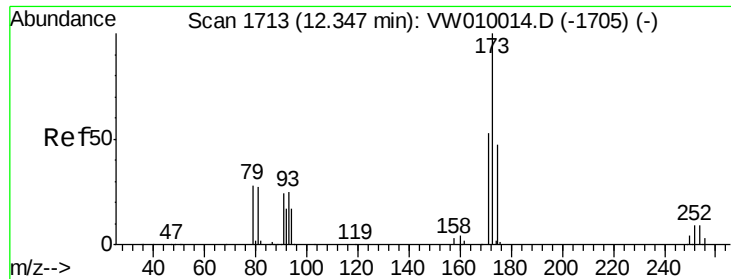
MMDadoda
4/18/2019 11:39:56 AM



#70
Styrene
Concen: 3.844 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion:104 Resp: 41662
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 54.6 43.6 65.4





#71

Bromoform

Concen: 4.597 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8997

Ion Ratio Lower Upper

173 100

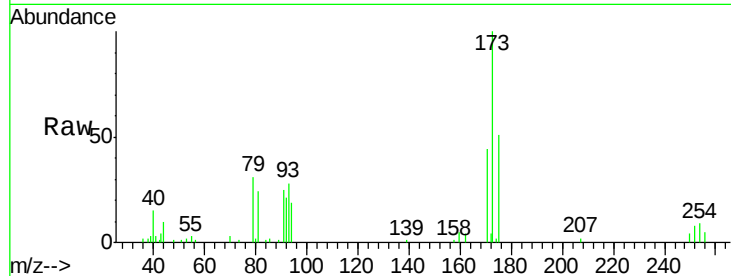
175 48.0 23.8 71.4

254 0.0 0.1 0.1#

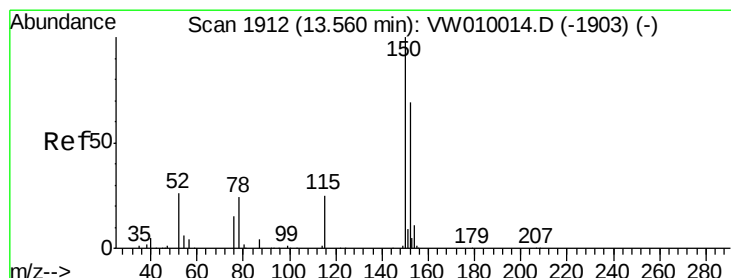
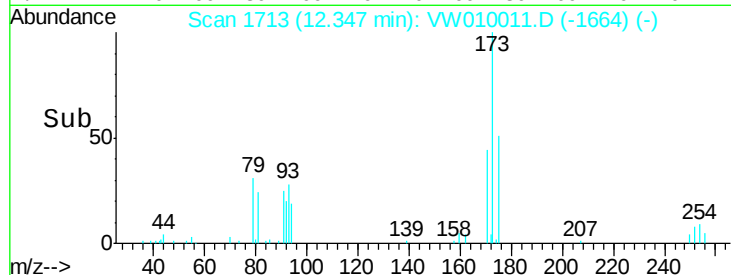
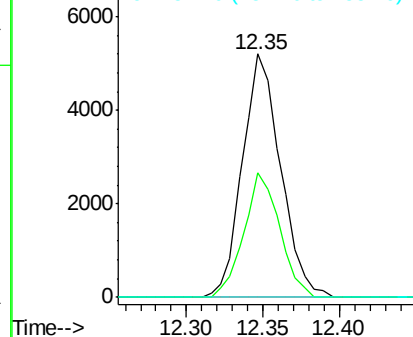
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

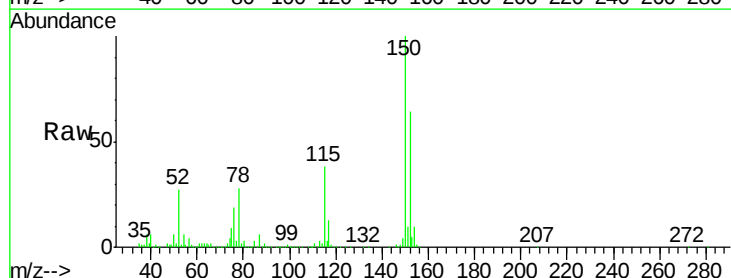
Tgt Ion:152 Resp: 252925

Ion Ratio Lower Upper

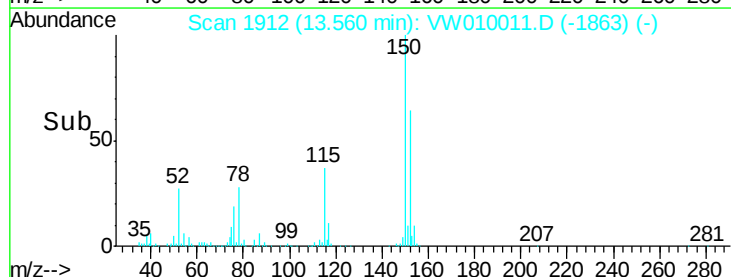
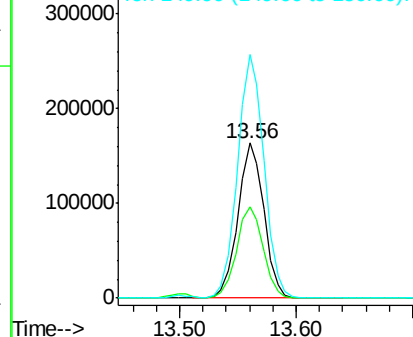
152 100

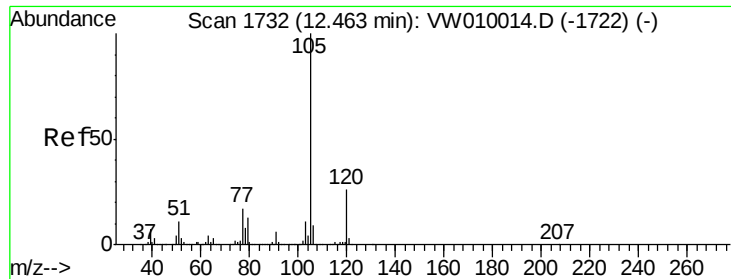
115 60.3 30.4 91.2

150 160.4 0.0 347.0



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





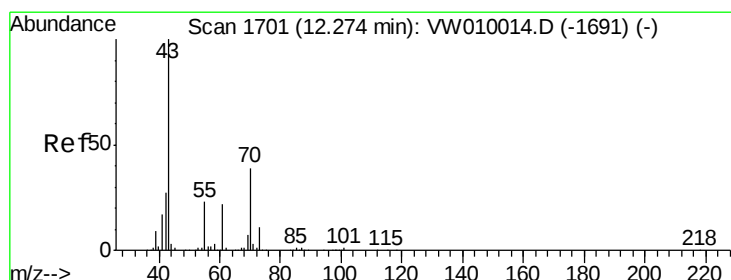
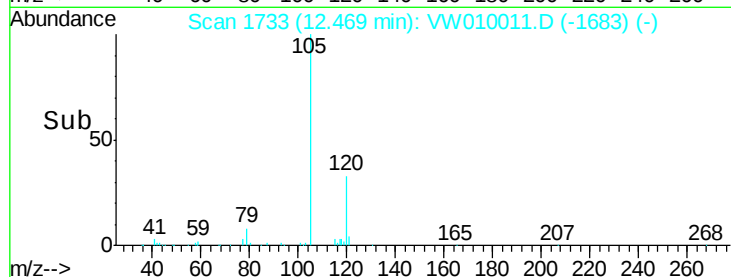
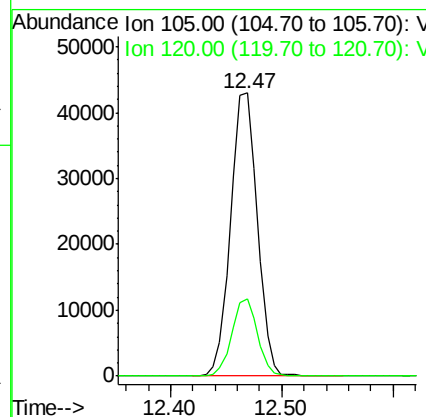
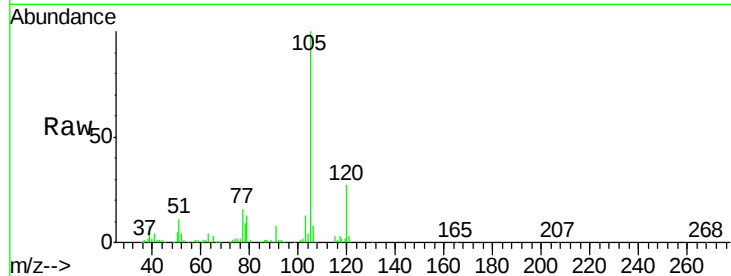
#73
Isopropylbenzene
Concen: 4.066 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.1

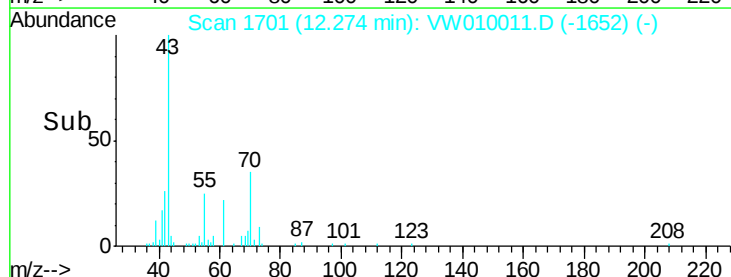
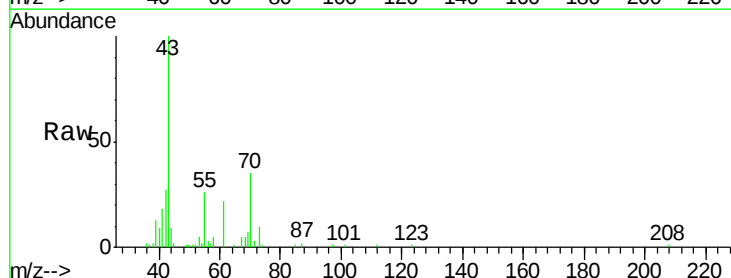
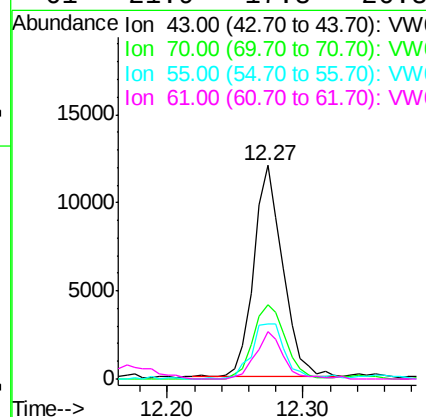
Manual Integrations
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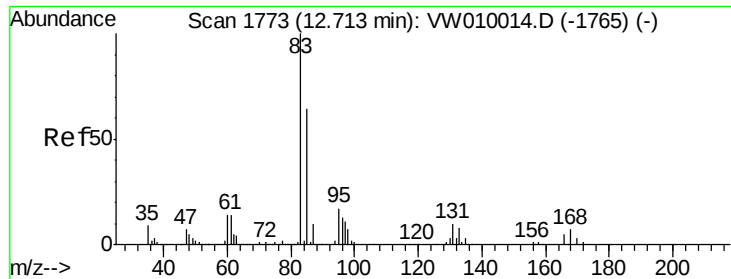
MMDadoda
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#74
N-ethyl acetate
Concen: 3.722 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.3	46.9
55	29.6	20.0	30.0
61	21.9	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampled :

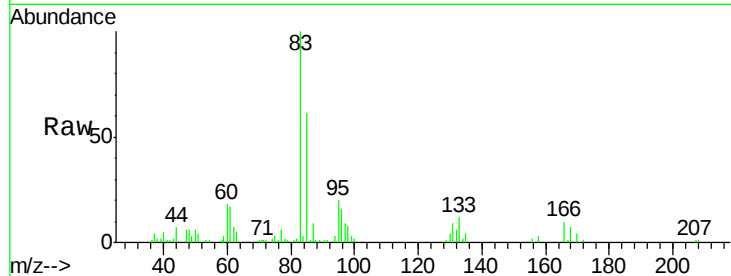
VSTDIC005

Tot Ion:	83	Resp:	16967
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.8
85	63.8	32.0	96.2

Manual Integrations
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MMDadoda

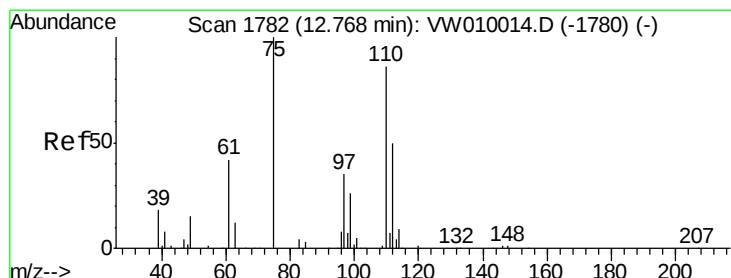
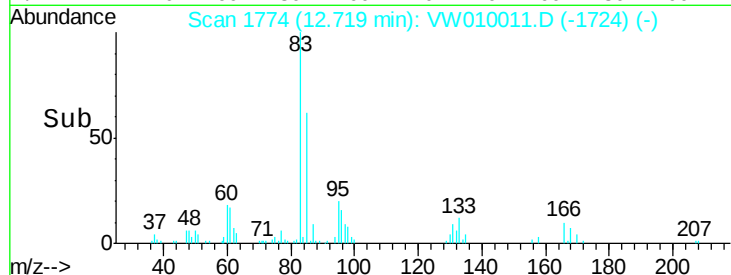
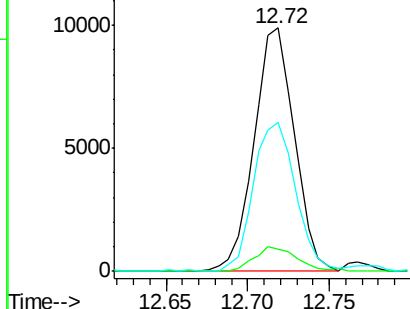
4/18/2019 11:39:56 AM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 3.844 ug/l m

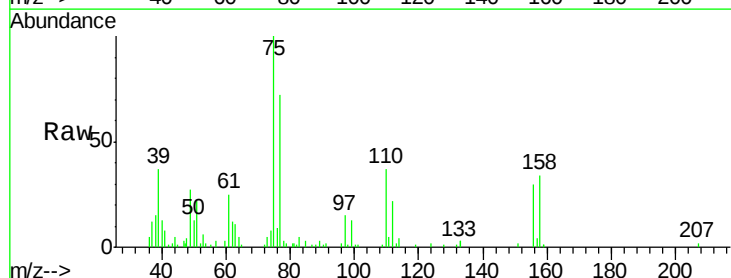
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010011.D

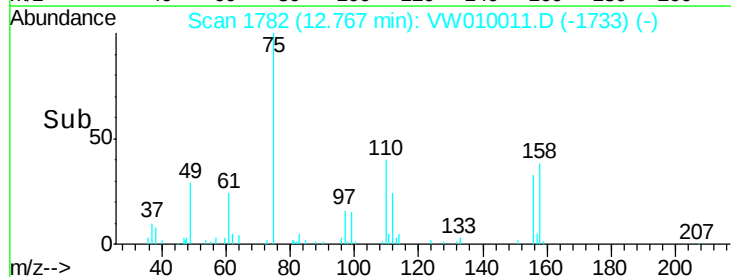
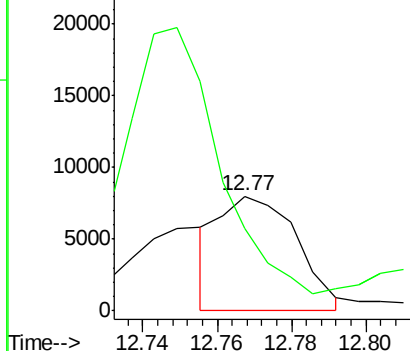
Acq: 17 Apr 2019 10:55

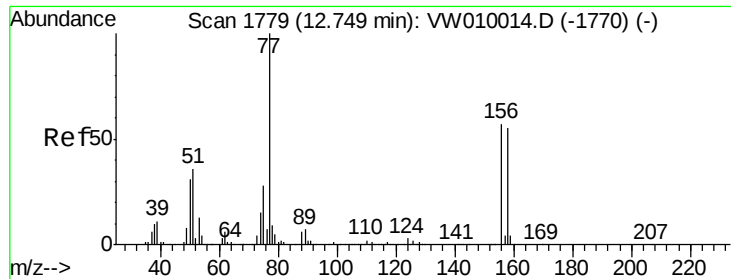
Tgt Ion:	75	Resp:	11655
Ion Ratio	Lower	Upper	
75	100		
77	316.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





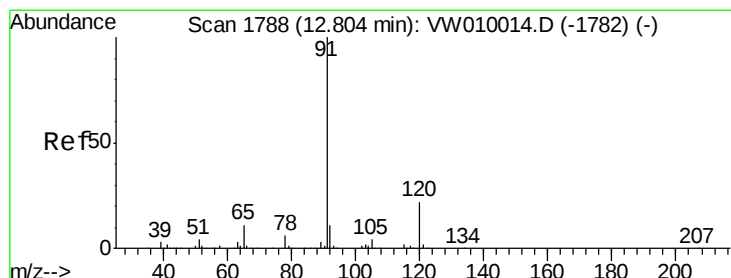
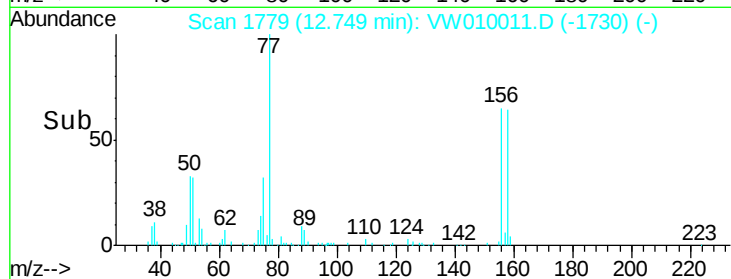
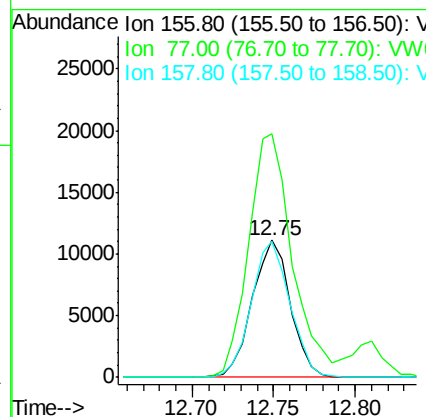
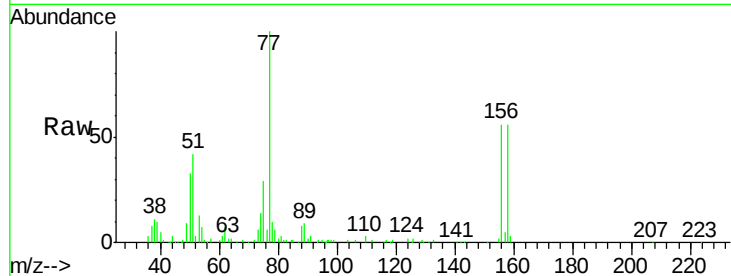
#77
Bromobenzene
Concen: 4.455 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.3	102.5	307.4
158	101.0	48.8	146.4

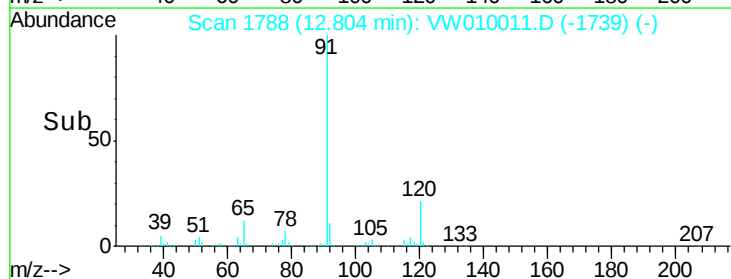
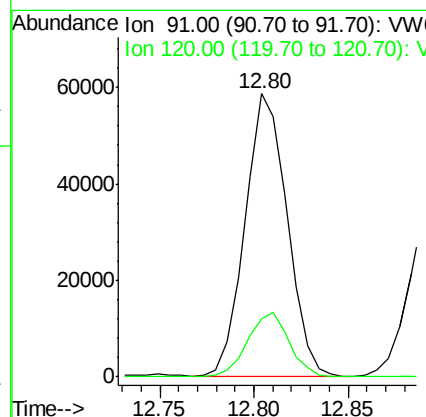
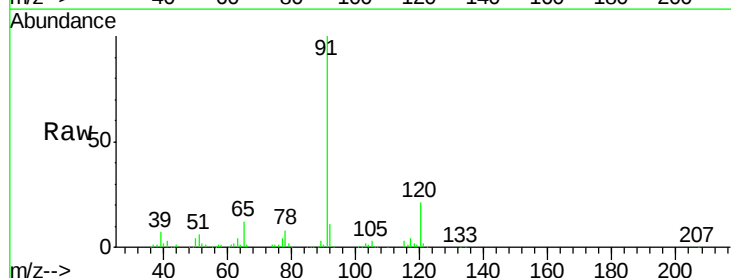
Manual Integrations
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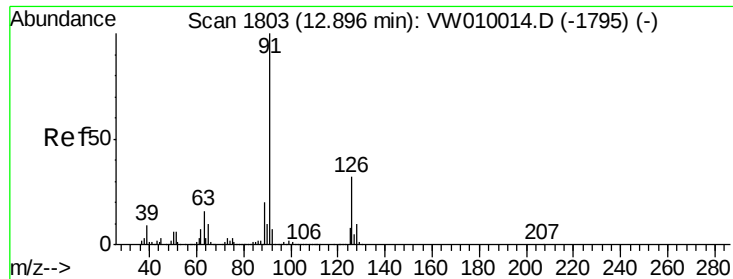
MMDadoda
4/18/2019 11:39:56 AM



#78
n-propylbenzene
Concen: 4.146 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





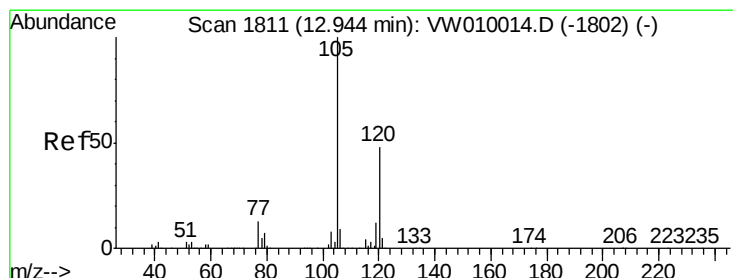
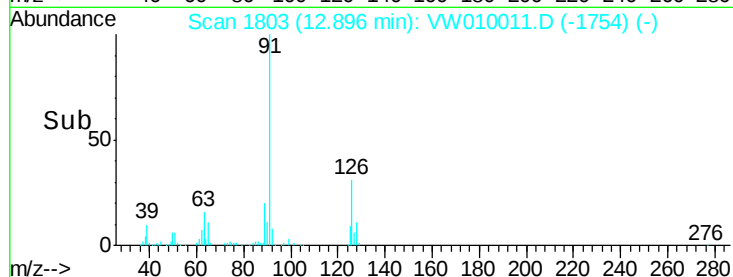
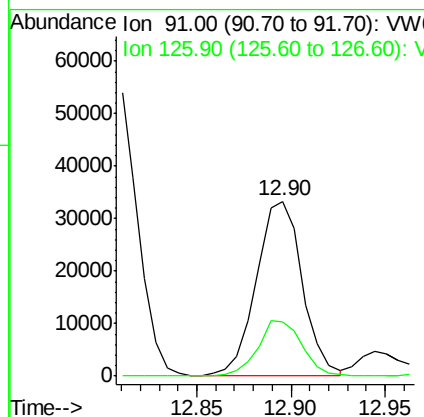
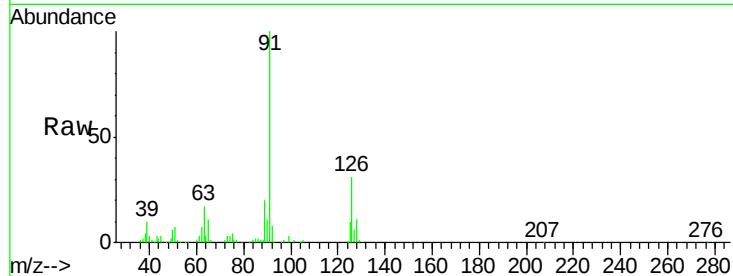
#79
 2-Chlorotoluene
 Concen: 4.459 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 55943
 Ion Ratio Lower Upper
 91 100
 126 30.5 16.3 48.8

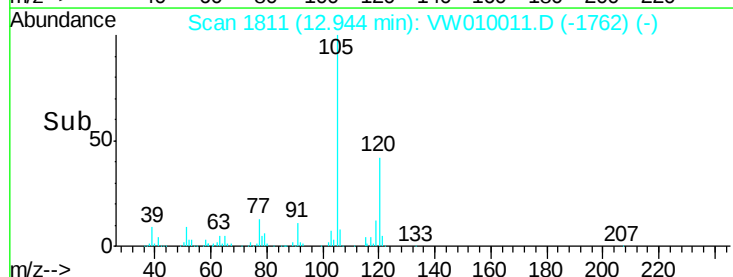
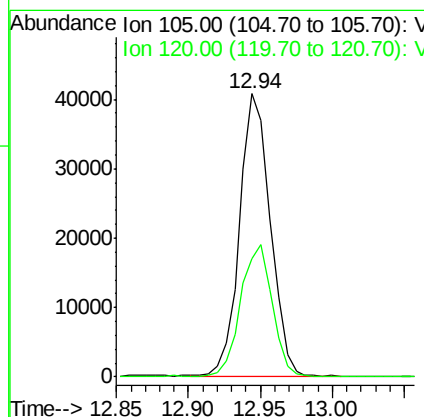
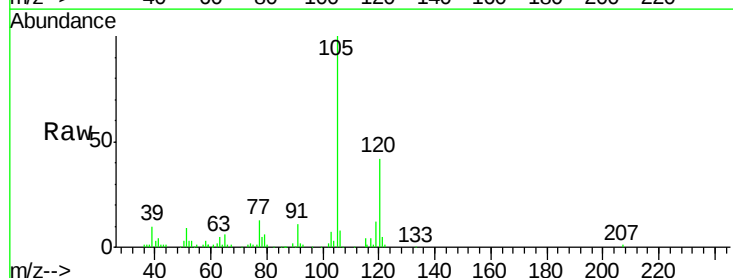
Manual Integrations
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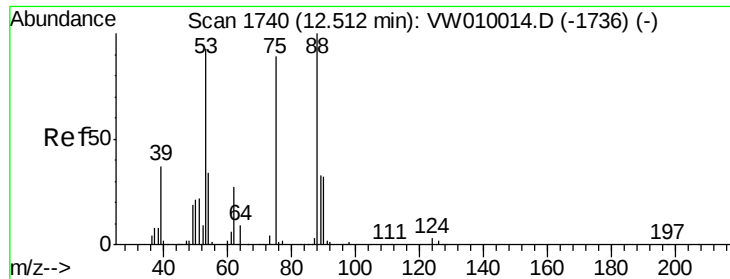
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.076 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion: 105 Resp: 60838
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.961 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

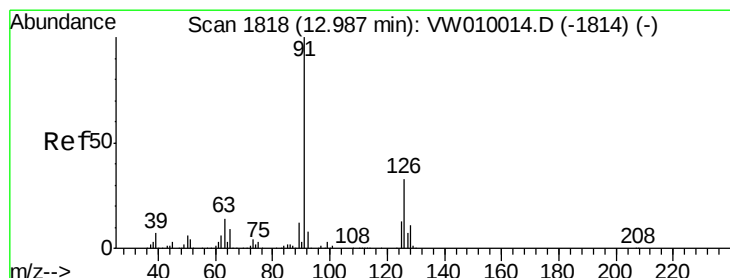
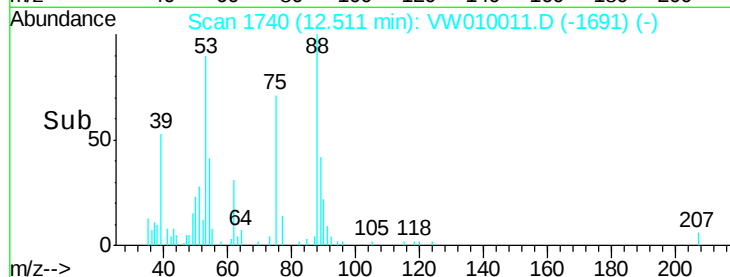
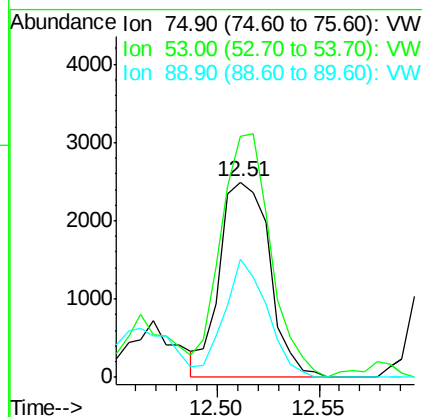
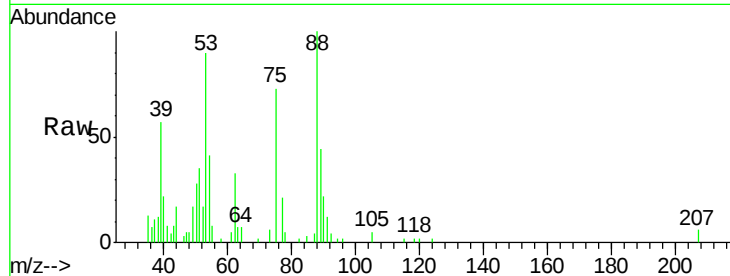
VSTDIC005

Tot Ion:	75	Resp:	4252
Ion	Ratio	Lower	Upper
75	100		
53	124.3	89.8	134.8
89	51.9	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.370 ug/l

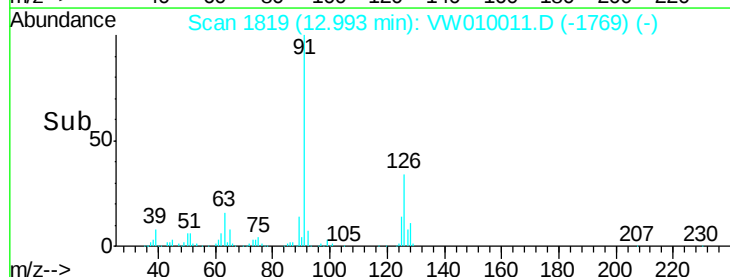
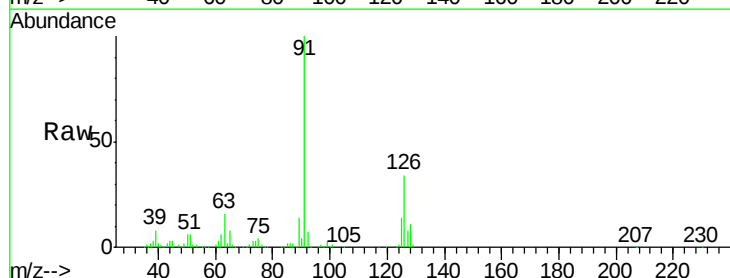
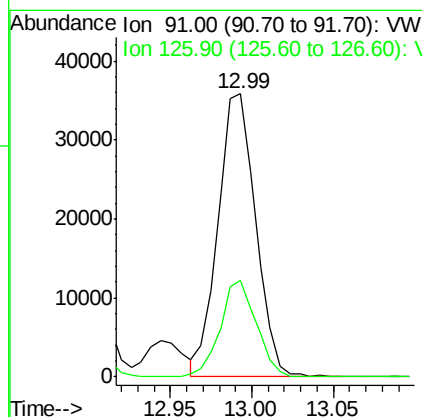
RT: 12.99 min Scan# 1819

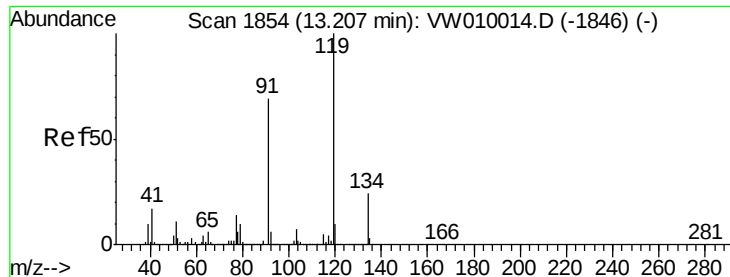
Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Tgt Ion:	91	Resp:	57708
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





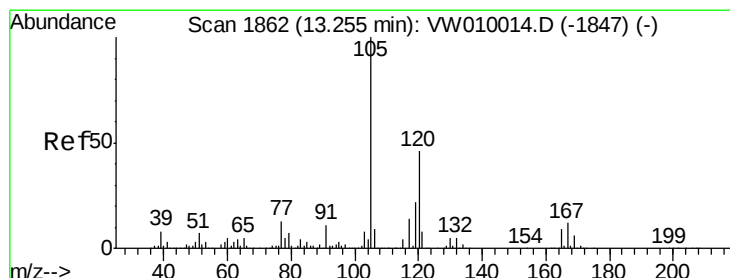
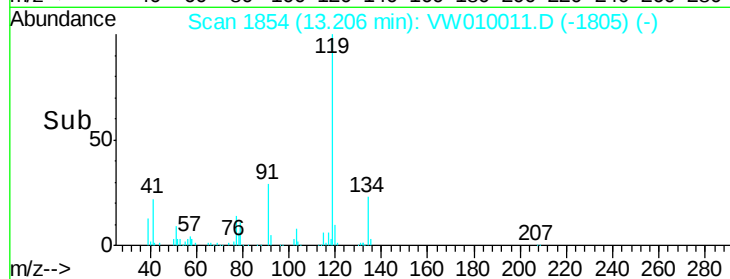
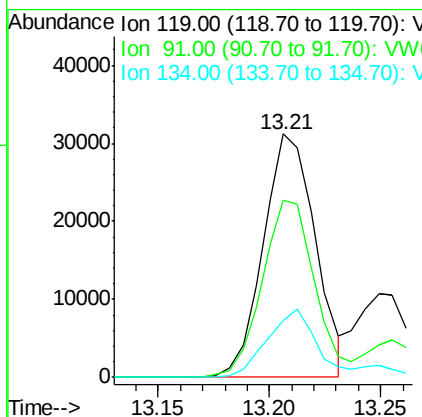
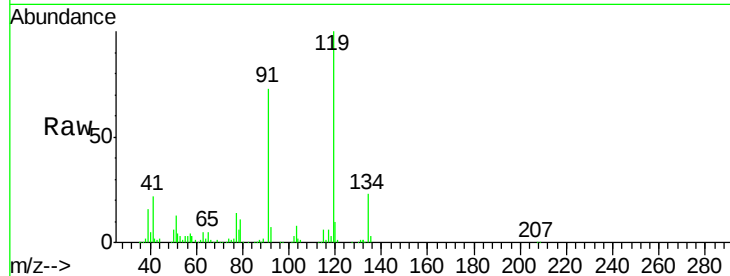
#83
tert-Butylbenzene
Concen: 4.084 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.7	34.8	104.4
134	26.4	13.7	41.1

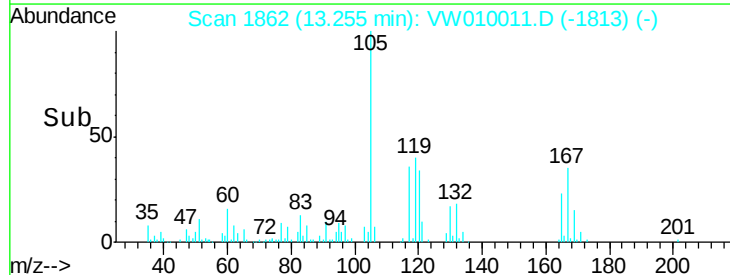
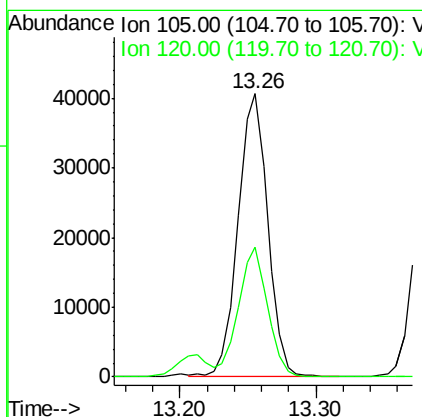
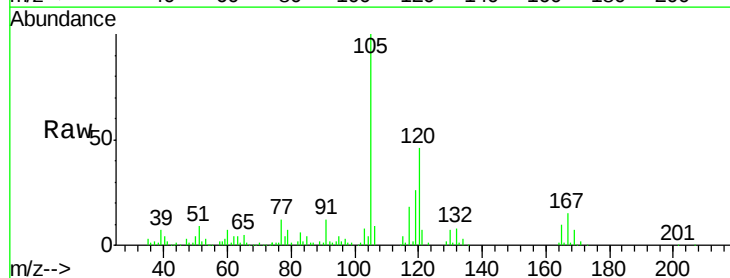
Manual Integrations
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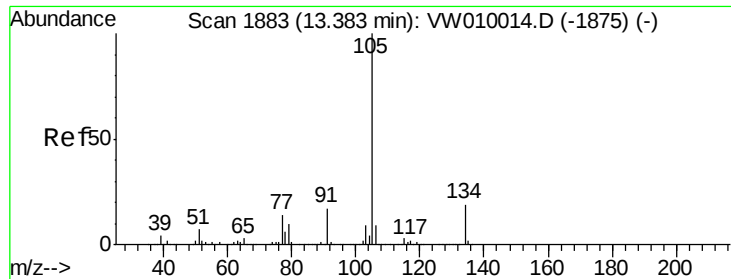
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.101 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7





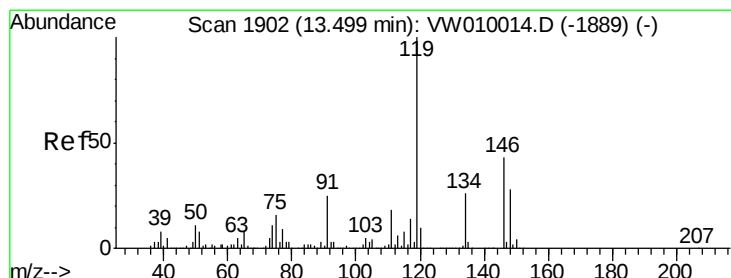
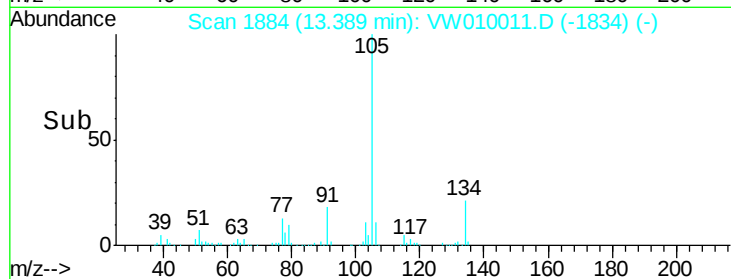
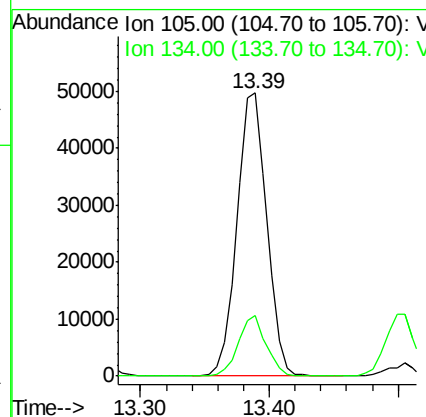
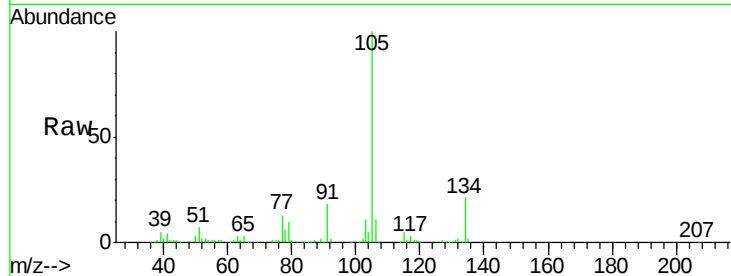
#85
 sec-Butylbenzene
 Concen: 4.328 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

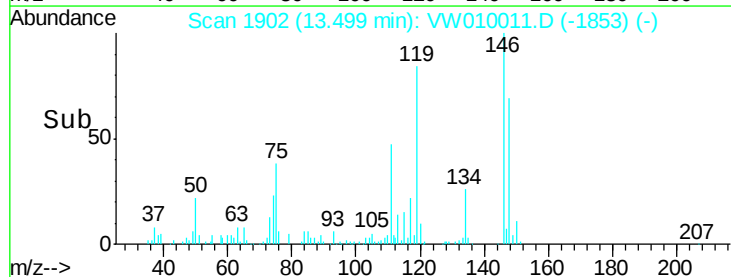
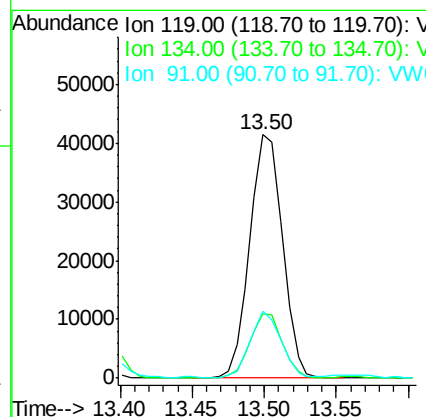
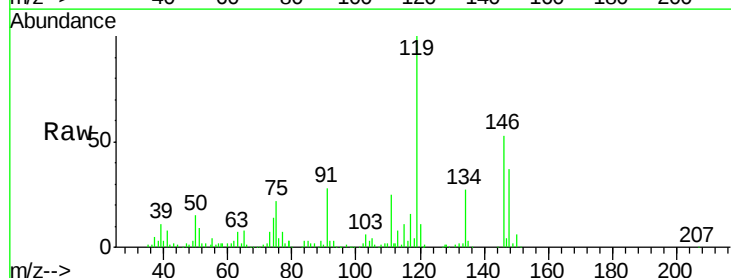
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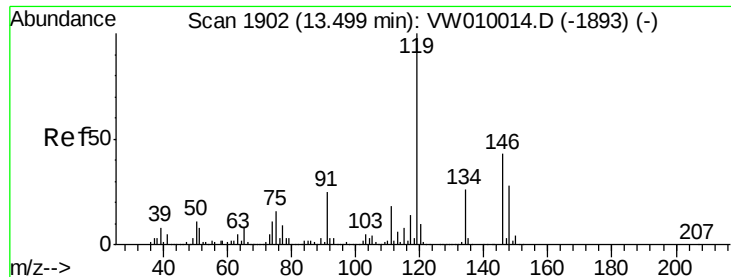
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#86
 p-Isopropyltoluene
 Concen: 4.018 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	26.1	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 4.756 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Instrument :

MSVOA_W

ClientSampleId :

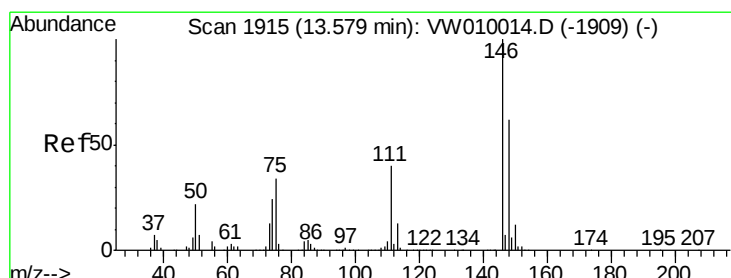
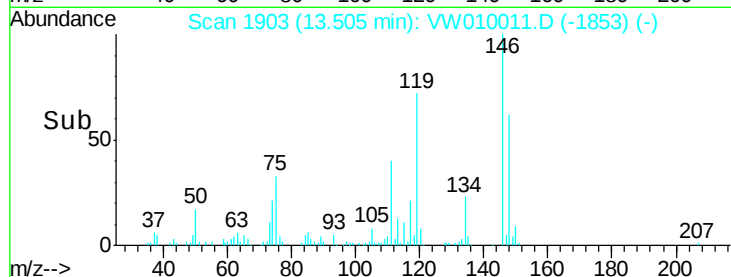
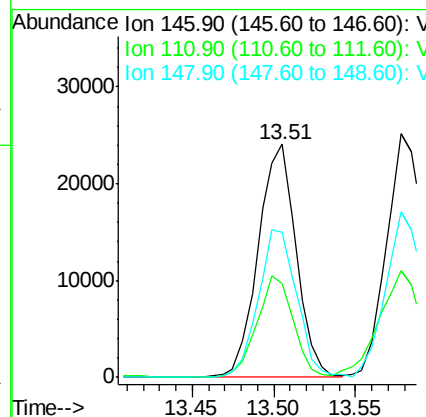
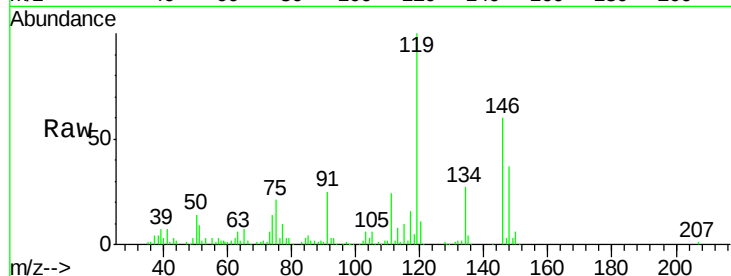
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.4	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.968 ug/l

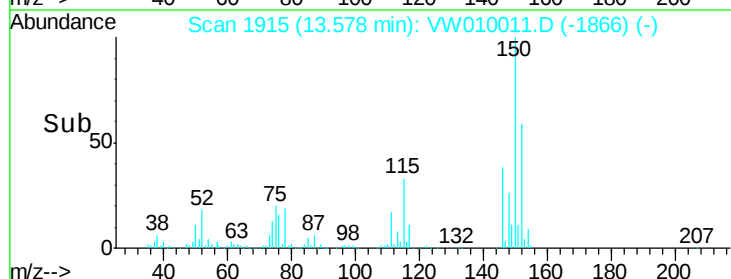
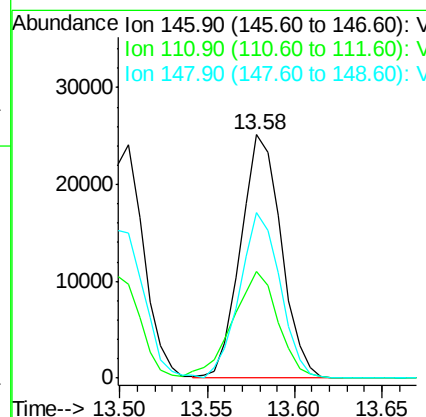
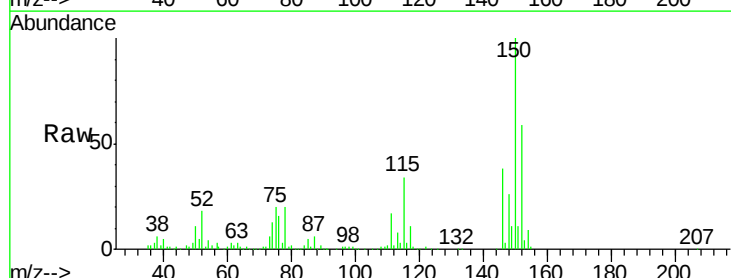
RT: 13.58 min Scan# 1915

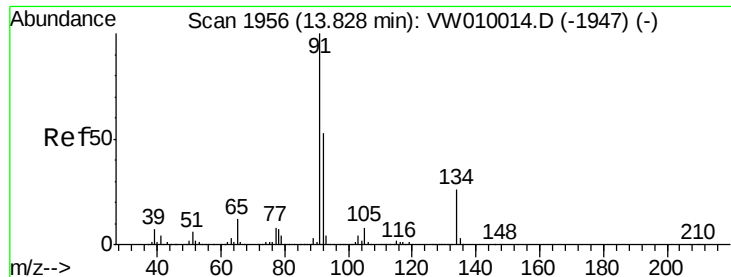
Delta R.T. -0.00 min

Lab File: VW010011.D

Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.2	20.1	60.3
148	67.5	31.8	95.3





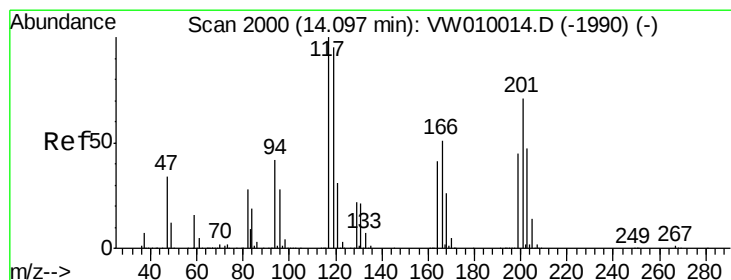
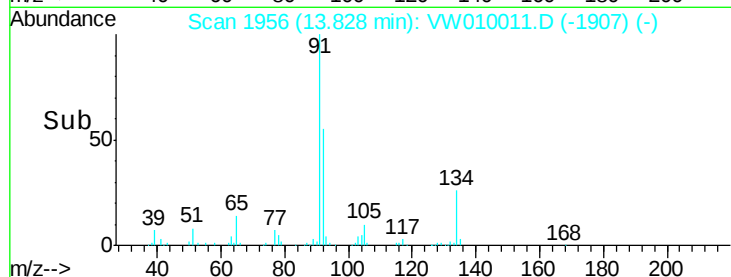
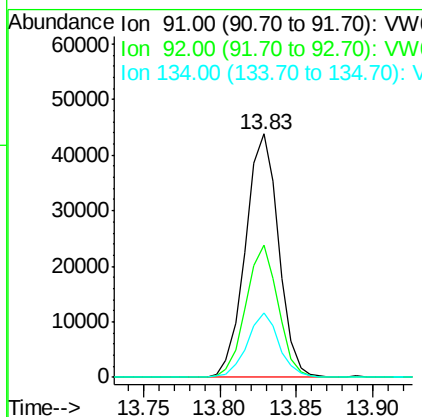
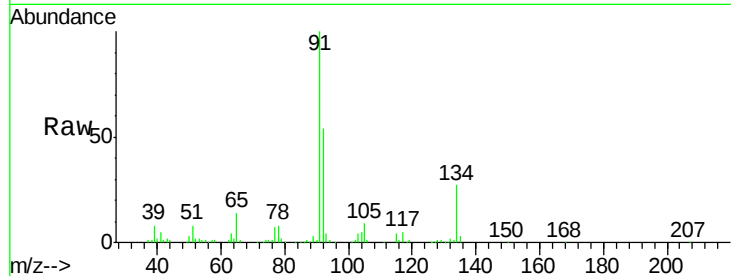
#89
n-Butylbenzene
Concen: 4.098 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.4
134	25.4	12.4	37.0

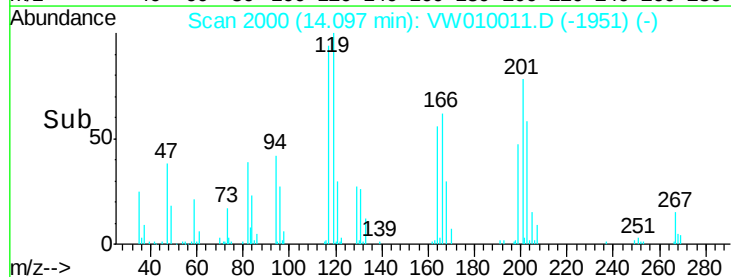
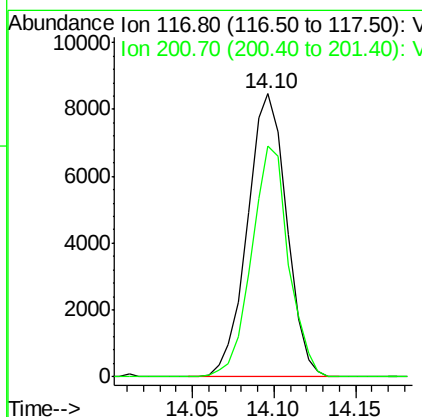
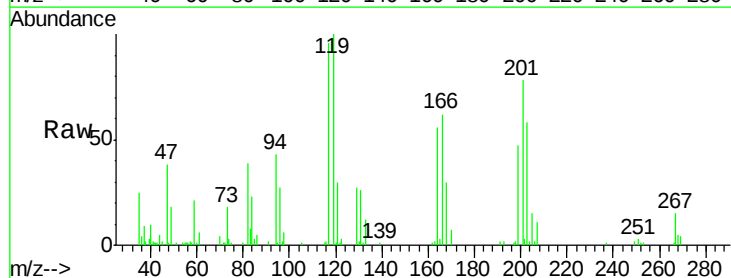
Manual Integrations
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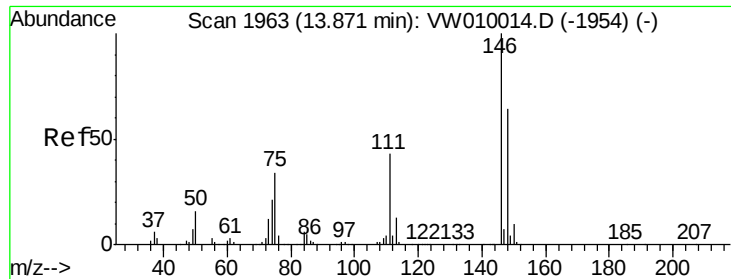
MMDadoda
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#90
Hexachloroethane
Concen: 4.557 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	36.1	108.3





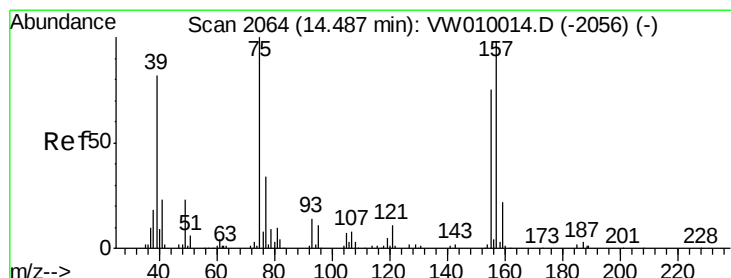
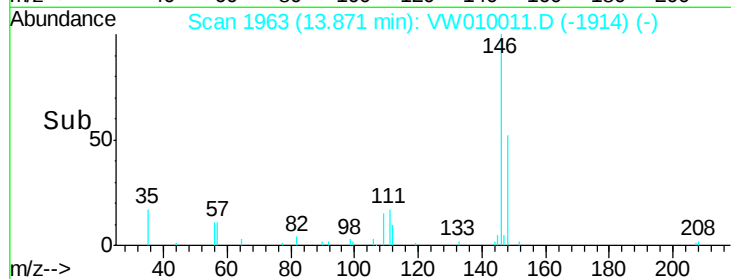
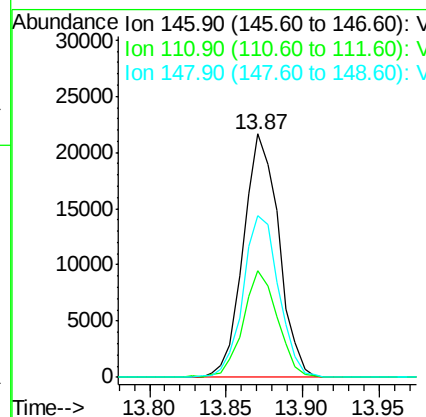
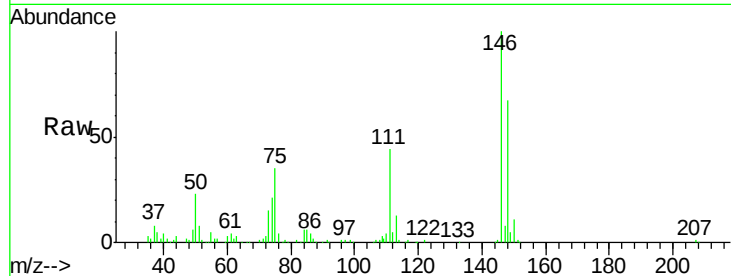
#91
 1,2-Dichlorobenzene
 Concen: 4.740 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	67.3	31.9	95.7

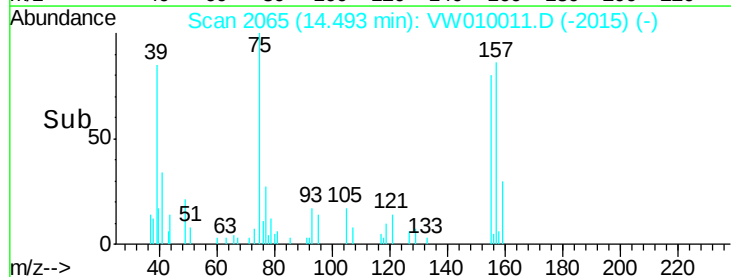
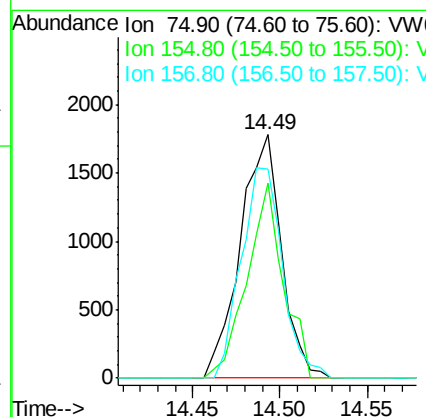
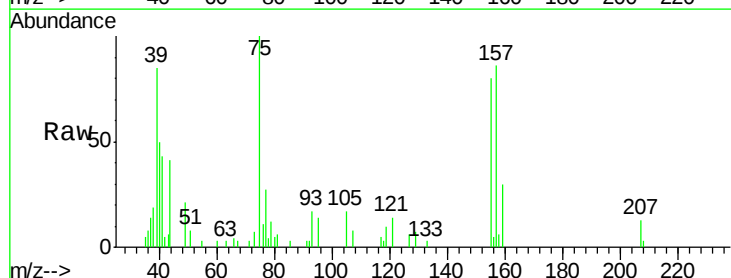
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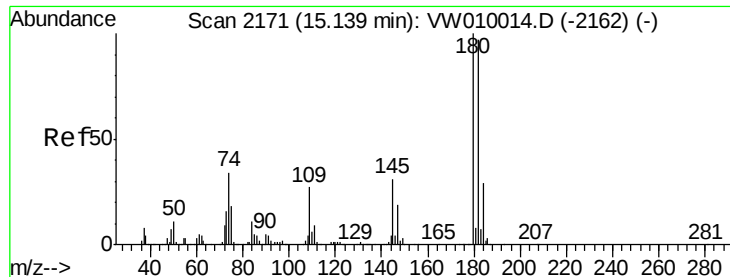
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.695 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	37.1	111.5
157	86.3	47.3	141.9





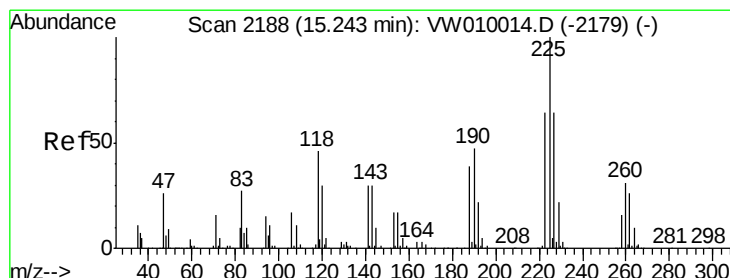
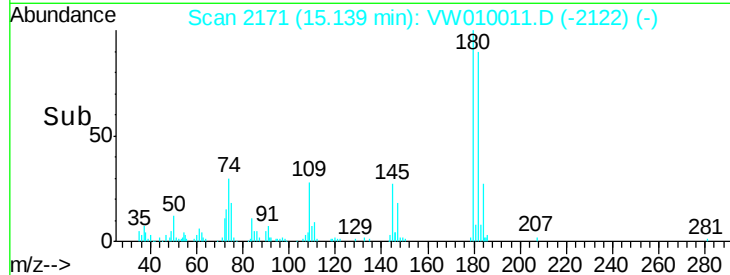
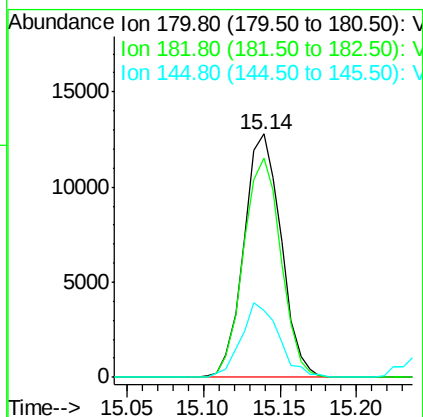
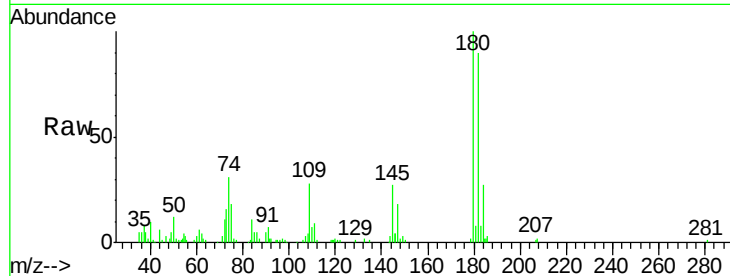
#93
 1,2,4-Trichlorobenzene
 Concen: 4.477 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	21671
Ion Ratio	Lower	Upper	
180	100		
182	90.4	47.1	141.4
145	30.8	15.2	45.6

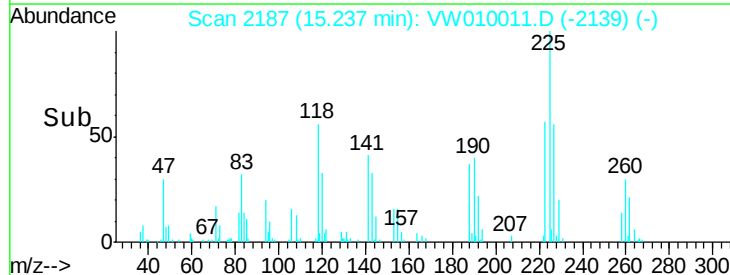
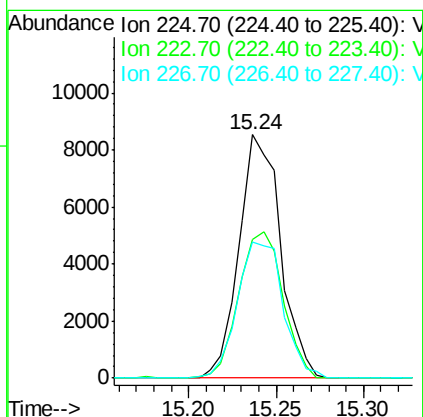
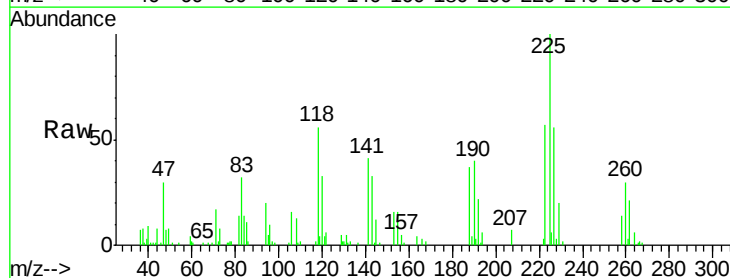
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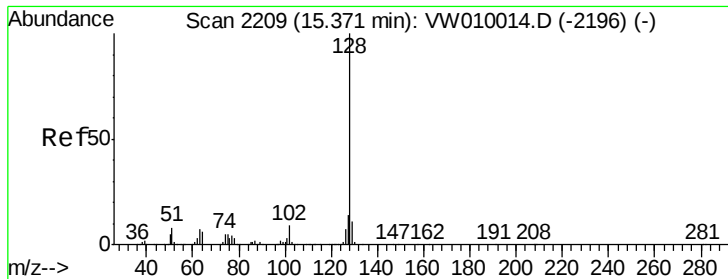
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#94
 Hexachlorobutadiene
 Concen: 4.791 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010011.D
 Acq: 17 Apr 2019 10:55

Tgt Ion:	225	Resp:	14085
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.9	95.5
227	61.7	31.8	95.3





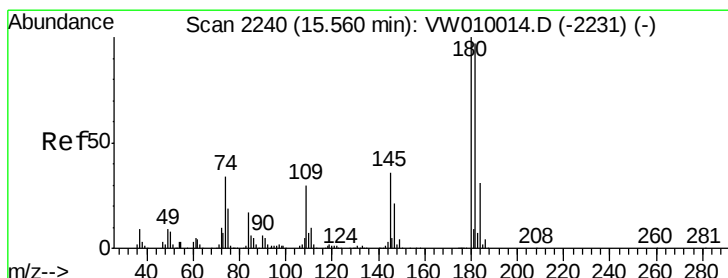
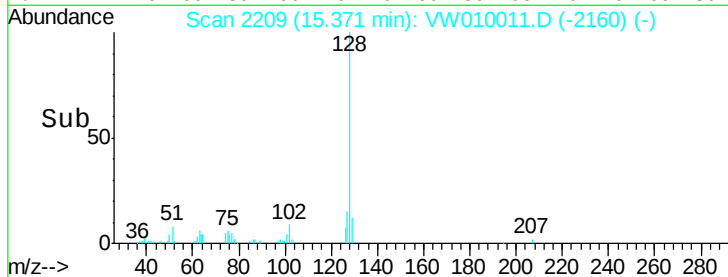
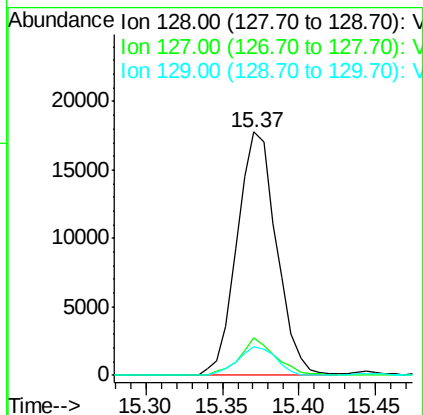
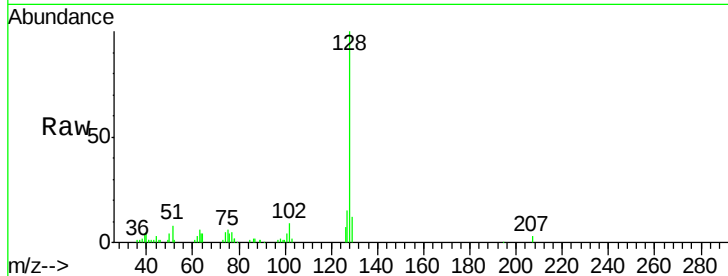
#95
Naphthalene
Concen: 3.666 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	15.8
129	11.5	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.383 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010011.D
Acq: 17 Apr 2019 10:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	47.8	143.3
145	32.7	16.4	49.2

