

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010678.D
 Acq On : 04 Jun 2019 16:08
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 3:05:07 PM

Quant Time: Jun 05 03:20:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	384958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	321379	104.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.12%	
35) Dibromofluoromethane	7.88	113	255636	109.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.86%	
50) Toluene-d8	10.32	98	1051681	102.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.34%	
62) 4-Bromofluorobenzene	12.62	95	387662	104.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	219089	90.477	ug/l	99
3) Chloromethane	2.21	50	335814	94.260	ug/l	99
4) Vinyl Chloride	2.36	62	310651	94.378	ug/l	99
5) Bromomethane	2.74	94	158707	87.802	ug/l	98
6) Chloroethane	2.90	64	190024	96.177	ug/l	99
7) Trichlorofluoromethane	3.25	101	407164	95.292	ug/l	98
8) Diethyl Ether	3.68	74	151779	99.400	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	251859	95.875	ug/l	98
10) Methyl Iodide	4.26	142	276443	119.162	ug/l	99
11) Tert butyl alcohol	5.17	59	132608	527.022	ug/l	100
12) 1,1-Dichloroethene	4.03	96	243095	95.930	ug/l	99
13) Acrolein	3.89	56	51805	503.846	ug/l	98
14) Allyl chloride	4.67	41	563274	100.810	ug/l	100
15) Acrylonitrile	5.37	53	379041	510.962	ug/l	99
16) Acetone	4.12	43	459443	555.170	ug/l	99
17) Carbon Disulfide	4.37	76	799283	99.360	ug/l	99
18) Methyl Acetate	4.67	43	180140	101.121	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	738868	101.095	ug/l	99
20) Methylene Chloride	4.92	84	272796	93.964	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	280361	97.459	ug/l	97
22) Diisopropyl ether	6.31	45	1117000	99.855	ug/l	100
23) Vinyl Acetate	6.26	43	3485956	516.372	ug/l	99
24) 1,1-Dichloroethane	6.21	63	553590	98.751	ug/l	99
25) 2-Butanone	7.17	43	611746	533.093	ug/l	99
26) 2,2-Dichloropropane	7.17	77	444583	97.460	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	311708	98.460	ug/l	99
28) Bromochloromethane	7.51	49	259233	103.619	ug/l	99
29) Tetrahydrofuran	7.53	42	369748	512.261	ug/l	100
30) Chloroform	7.68	83	505268	98.539	ug/l	100
31) Cyclohexane	7.95	56	570664	91.575	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	442359	98.761	ug/l	99
36) 1,1-Dichloropropene	8.08	75	427110	96.951	ug/l	100
37) Ethyl Acetate	7.25	43	249689	102.281	ug/l	99
38) Carbon Tetrachloride	8.07	117	376835	99.089	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	538258	96.113	ug/l	100
40) Benzene	8.32	78	1169175	97.284	ug/l	99
41) Methacrylonitrile	7.48	41	148196	102.130	ug/l	99
42) 1,2-Dichloroethane	8.40	62	376873	98.805	ug/l	100
43) Isopropyl Acetate	8.42	43	485639	102.971	ug/l	99
44) Trichloroethene	9.09	130	288746	97.398	ug/l	98
45) 1,2-Dichloropropane	9.37	63	313905	98.670	ug/l	99
46) Dibromomethane	9.46	93	147059	99.521	ug/l	99
47) Bromodichloromethane	9.65	83	393228	102.661	ug/l	98
48) Methyl methacrylate	9.44	41	238131	104.722	ug/l	100
49) 1,4-Dioxane	9.45	88	48582	2102.880	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1246922	517.522	ug/l	100
52) Toluene	10.39	92	725004	98.046	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	423770	104.452	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	492495	103.161	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	211608	99.406	ug/l	99
56) Ethyl methacrylate	10.65	69	341728	104.327	ug/l	99
57) 1,3-Dichloropropane	10.93	76	401256	100.022	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	888092	517.639	ug/l	100
59) 2-Hexanone	10.97	43	923731	530.473	ug/l	100
60) Dibromochloromethane	11.13	129	247331	104.812	ug/l	99
61) 1,2-Dibromoethane	11.24	107	206050	102.162	ug/l	98
64) Tetrachloroethene	10.87	164	249203	97.499	ug/l	98
65) Chlorobenzene	11.66	112	737932	97.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	264048	100.761	ug/l	99
67) Ethyl Benzene	11.73	91	1412893	97.115	ug/l	100
68) m/p-Xylenes	11.84	106	1022477	196.326	ug/l	99
69) o-Xylene	12.17	106	487384	98.672	ug/l	100
70) Styrene	12.18	104	861670	100.422	ug/l	99
71) Bromoform	12.35	173	145355	107.250	ug/l #	100
73) Isopropylbenzene	12.46	105	1343623	95.545	ug/l	100
74) N-amyl acetate	12.27	43	469765	103.361	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	262384	98.007	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	192178m	71.683	ug/l	
77) Bromobenzene	12.75	156	296992	96.750	ug/l	99
78) n-propylbenzene	12.80	91	1617615	95.395	ug/l	100
79) 2-Chlorotoluene	12.90	91	922711	95.245	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1100703	95.625	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	91015	106.442	ug/l	98
82) 4-Chlorotoluene	12.99	91	958246	95.850	ug/l	99
83) tert-Butylbenzene	13.21	119	926218	94.814	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1106653	95.541	ug/l	100
85) sec-Butylbenzene	13.38	105	1344469	94.527	ug/l	99
86) p-Isopropyltoluene	13.50	119	1222769	96.137	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	570664	96.400	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	560565	95.517	ug/l	99
89) n-Butylbenzene	13.83	91	1216668	95.873	ug/l	100
90) Hexachloroethane	14.10	117	225854	99.155	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	510729	95.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47343	102.980	ug/l	100

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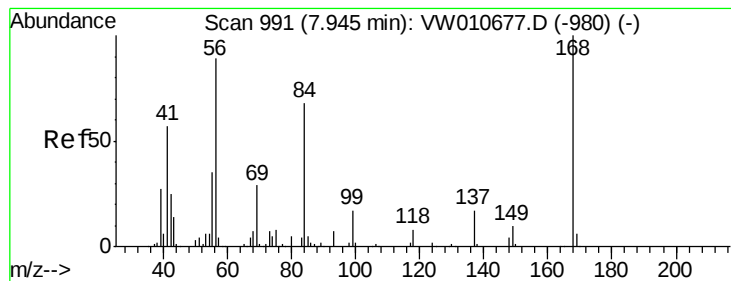
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	372039	99.586	ug/l	99
94) Hexachlorobutadiene	15.24	225	228600	97.499	ug/l	98
95) Naphthalene	15.37	128	708723	104.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	318517	100.253	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 262037

Ion Ratio Lower Upper

168 100

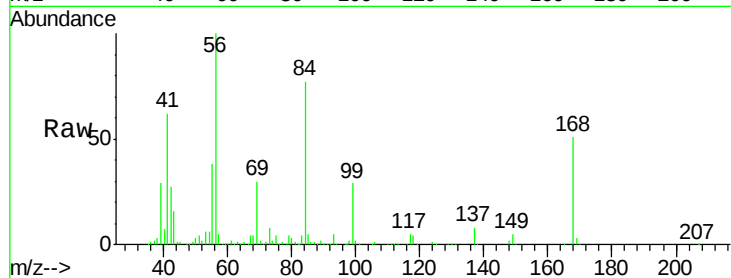
99 56.1 47.7 71.5

Manual Integrations

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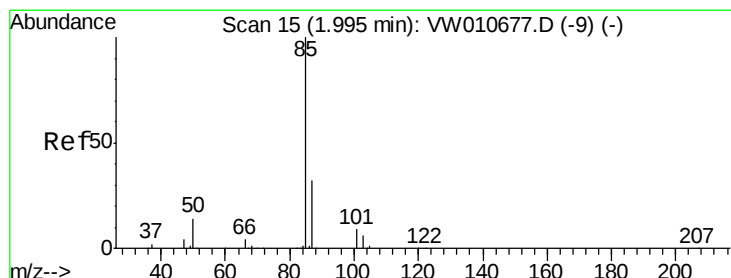
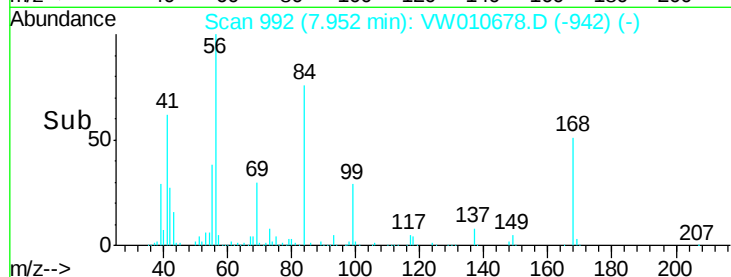
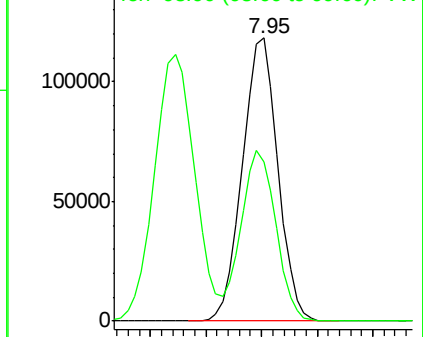
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 90.477 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010678.D

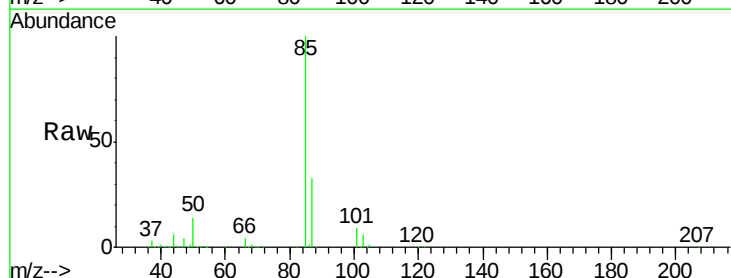
Acq: 04 Jun 2019 16:08

Tgt Ion: 85 Resp: 219089

Ion Ratio Lower Upper

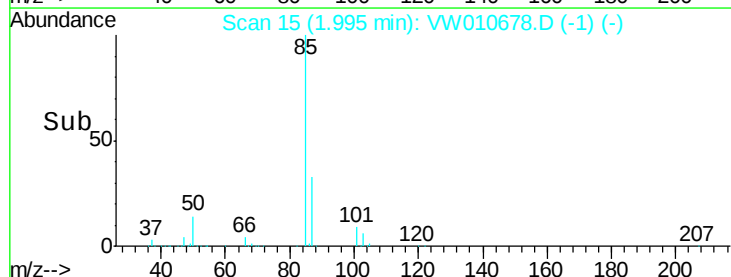
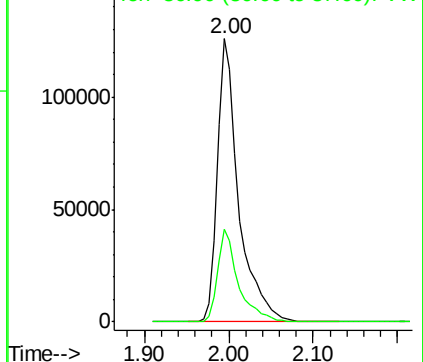
85 100

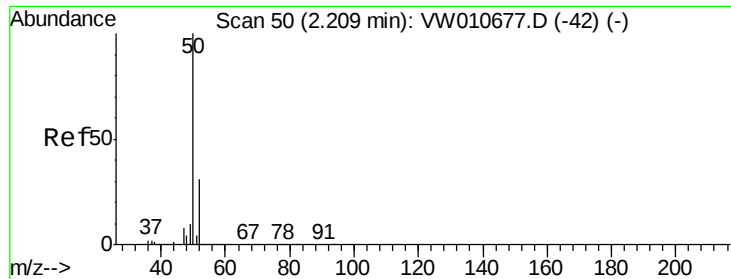
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 94.260 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 335814

Ion Ratio Lower Upper

50 100

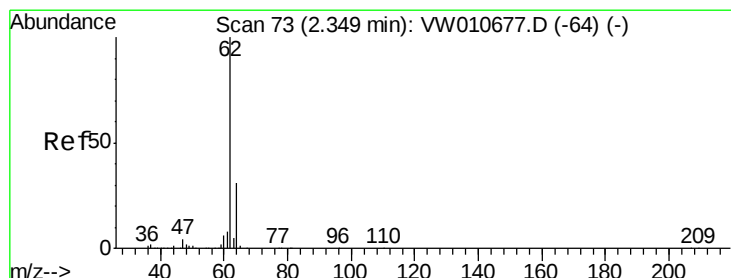
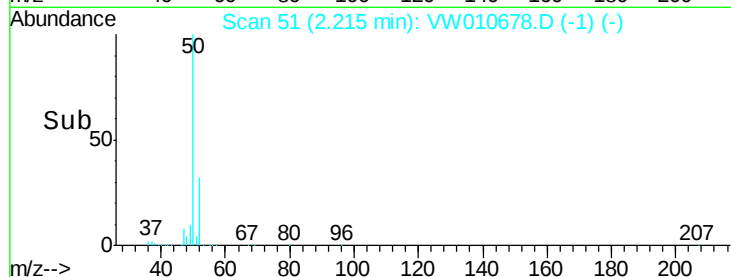
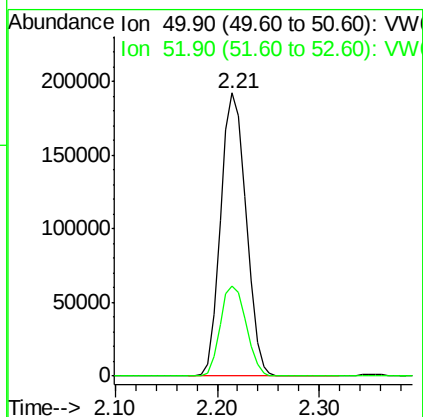
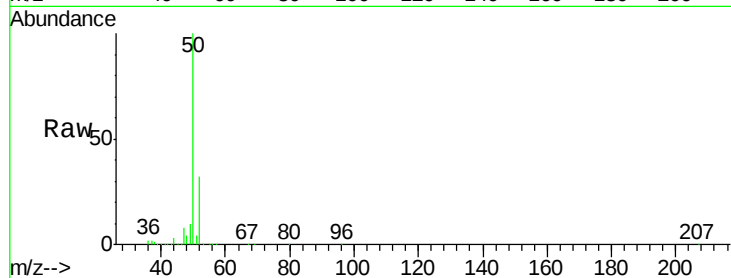
52 31.9 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 94.378 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010678.D

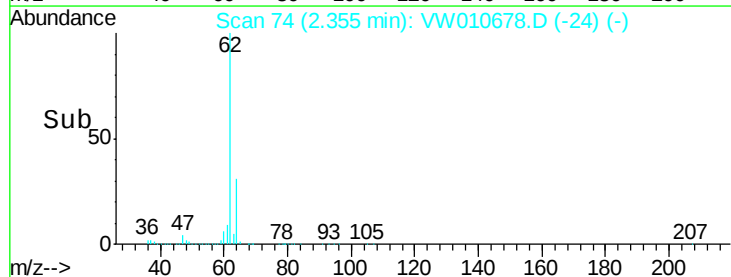
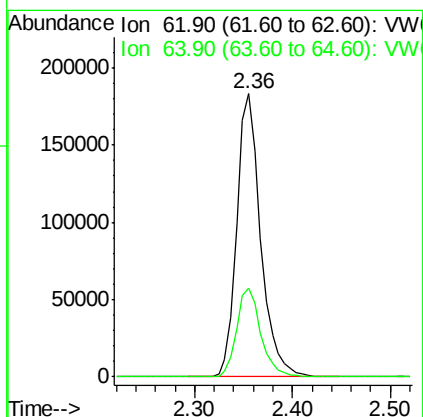
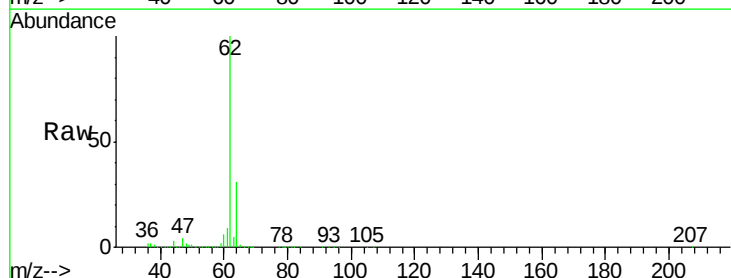
Acq: 04 Jun 2019 16:08

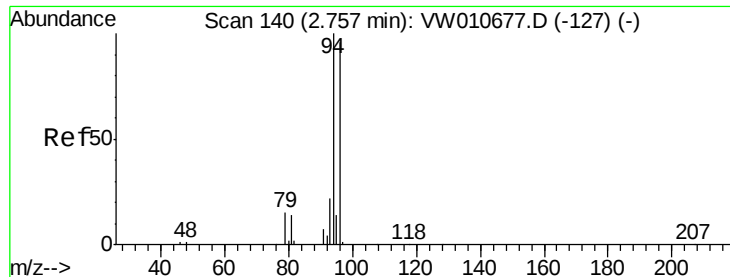
Tgt Ion: 62 Resp: 310651

Ion Ratio Lower Upper

62 100

64 31.3 24.5 36.7





#5

Bromomethane

Concen: 87.802 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 158707

Ion Ratio Lower Upper

94 100

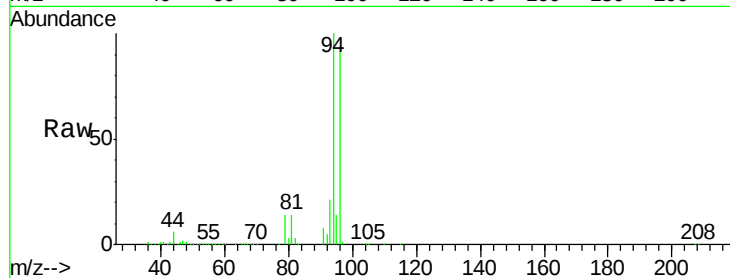
96 93.9 76.5 114.7

Manual Integrations

APPROVED

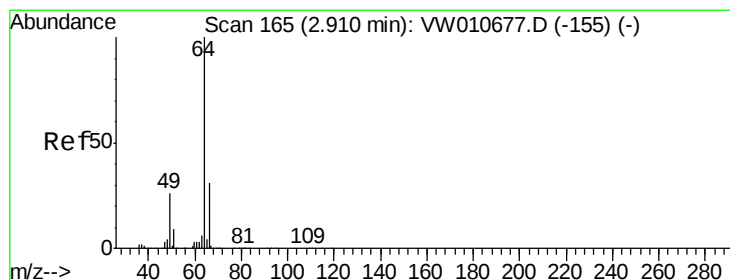
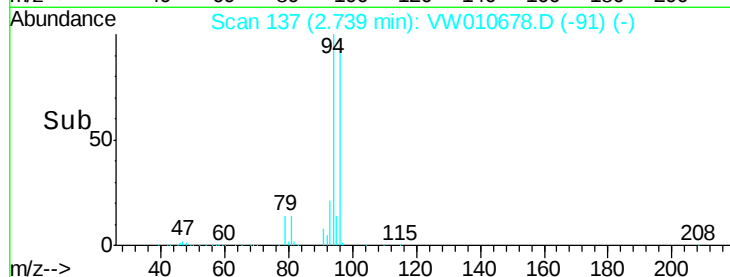
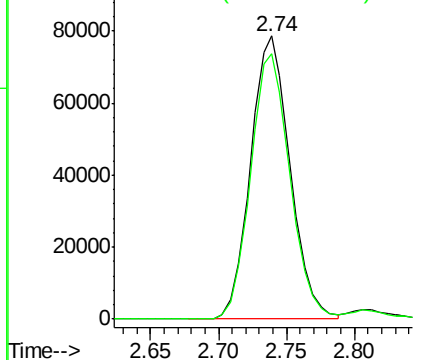
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 96.177 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010678.D

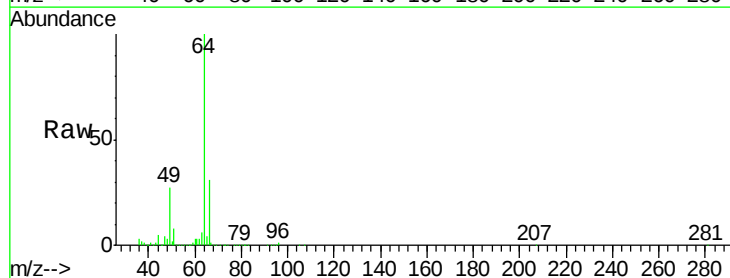
Acq: 04 Jun 2019 16:08

Tgt Ion: 64 Resp: 190024

Ion Ratio Lower Upper

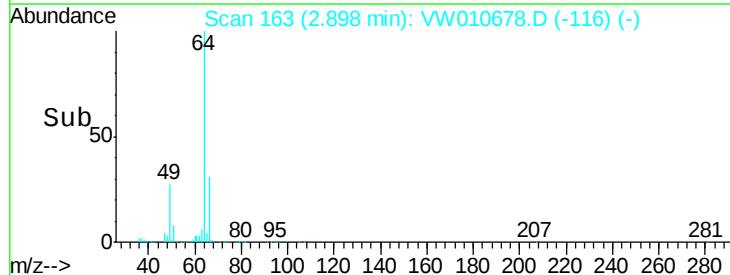
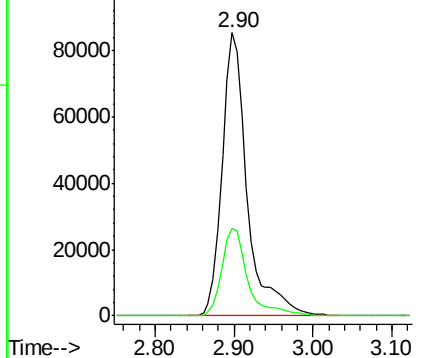
64 100

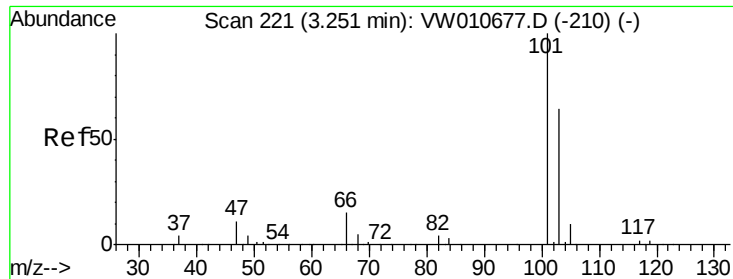
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

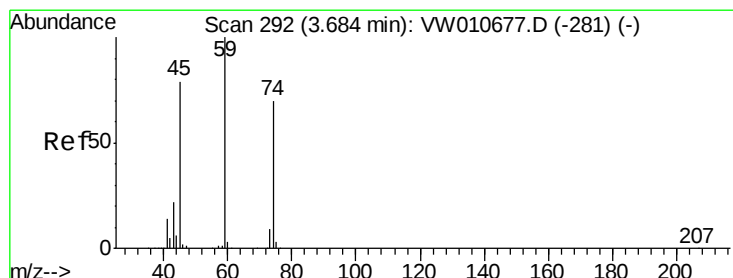
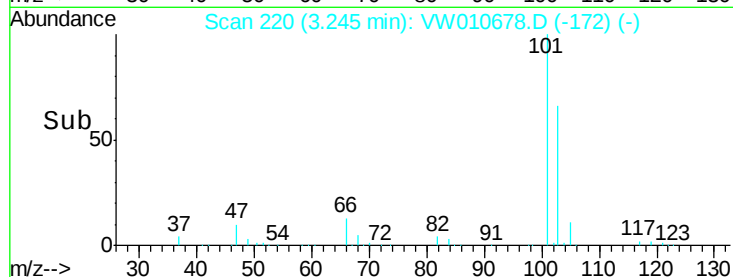
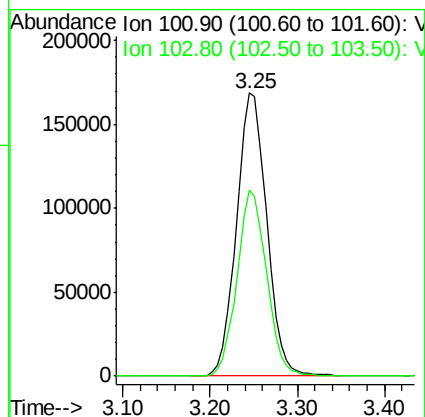
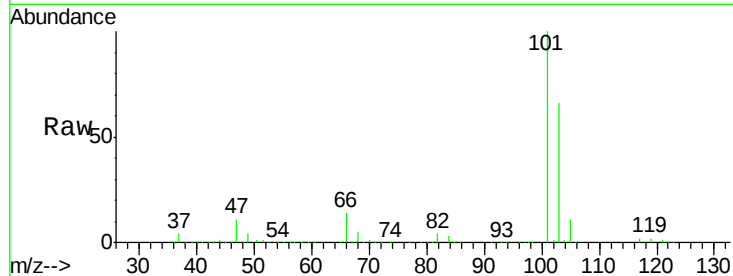
Trichlorofluoromethane
Concen: 95.292 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.2	76.8

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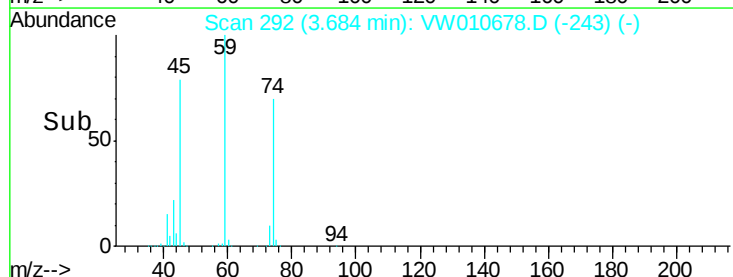
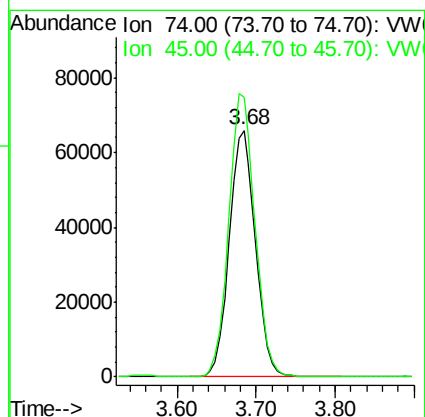
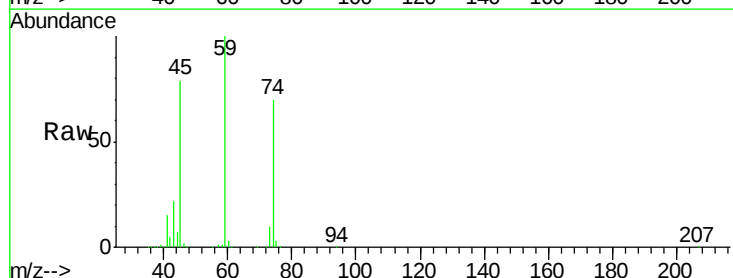
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6/5/2019 3:05:07 PM

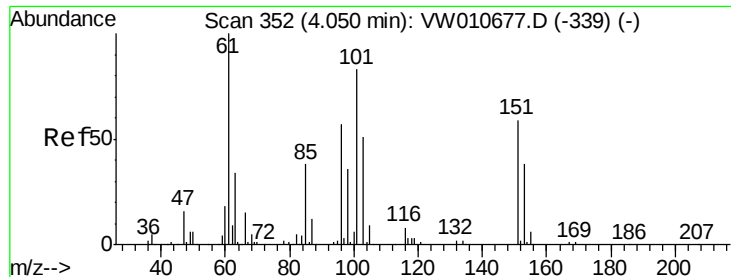


#8

Diethyl Ether
Concen: 99.400 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.875 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

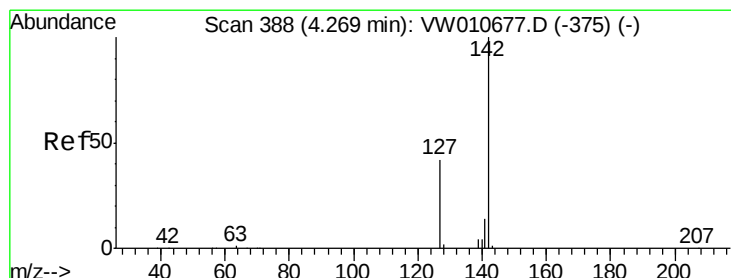
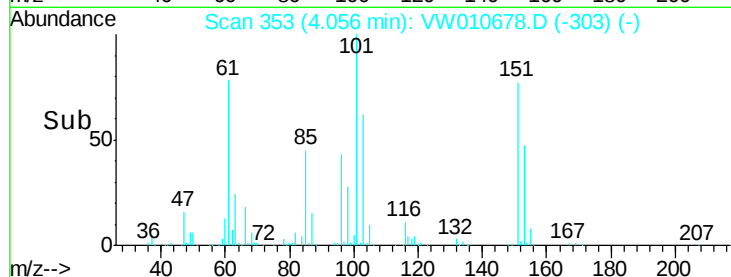
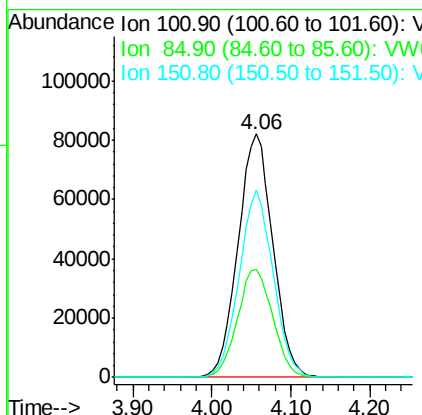
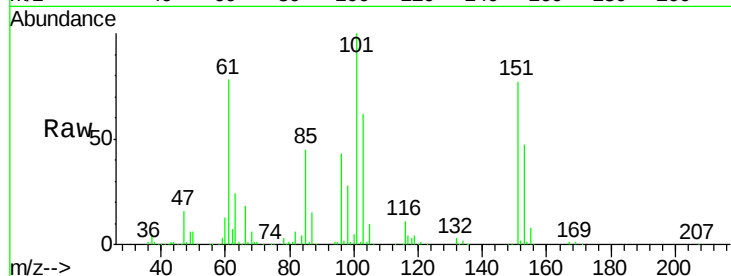
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	251859
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.8	53.8
151	75.2	58.1	87.1

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#10

Methyl Iodide

Concen: 119.162 ug/l

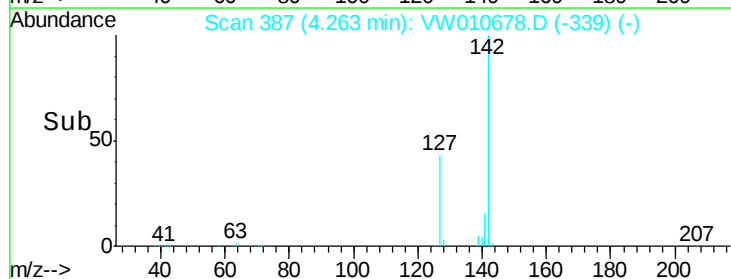
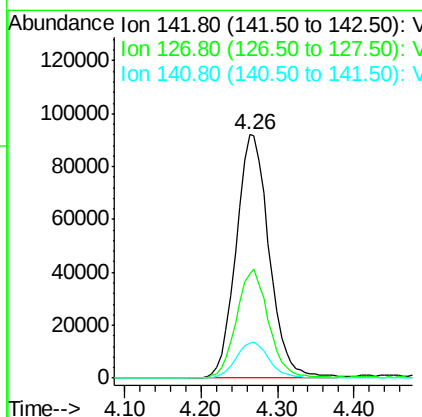
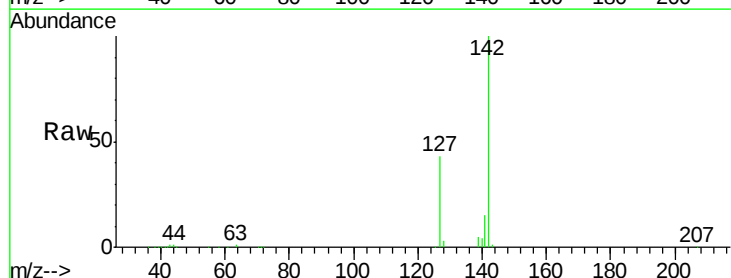
RT: 4.26 min Scan# 387

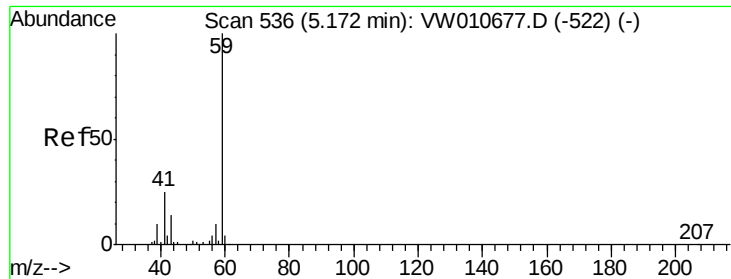
Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	142	Resp:	276443
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.6	51.8
141	14.8	11.6	17.4





#11

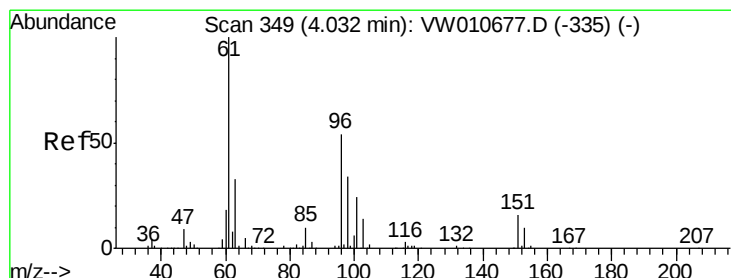
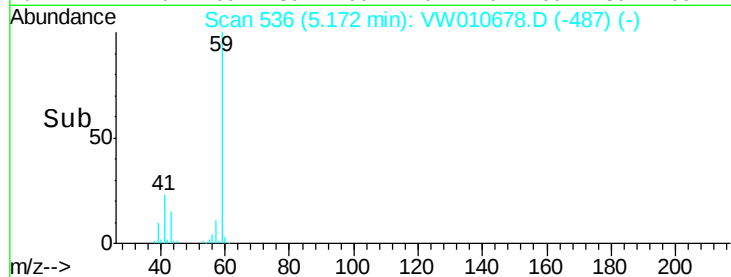
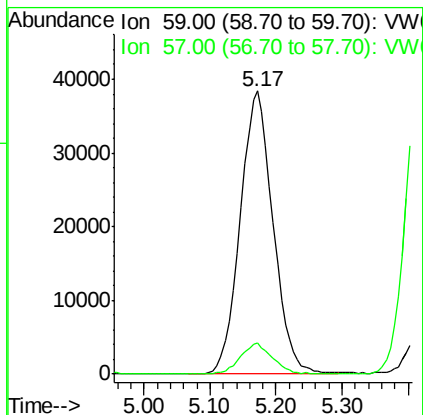
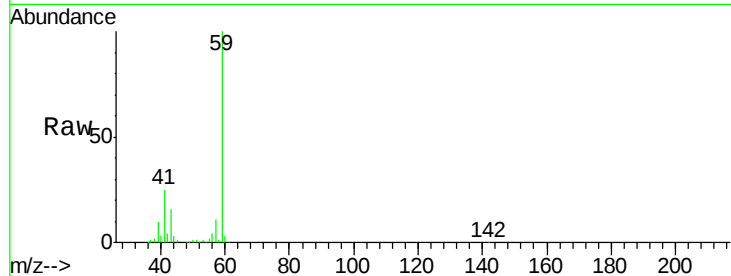
Tert butyl alcohol
Concen: 527.022 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

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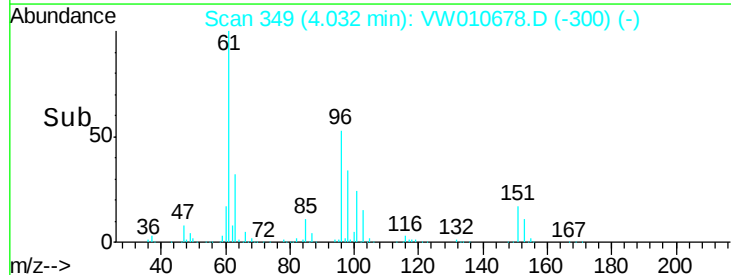
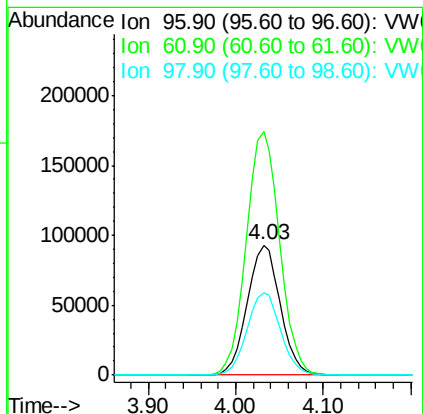
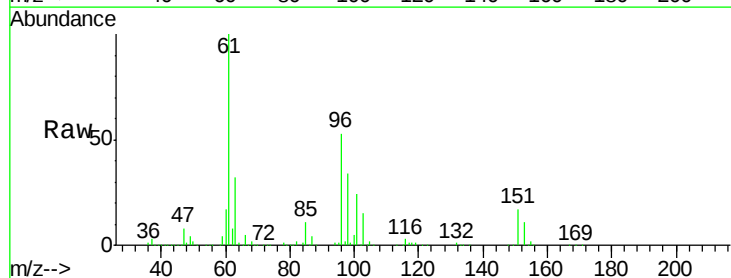
MMDadoda
6/5/2019 3:05:07 PM

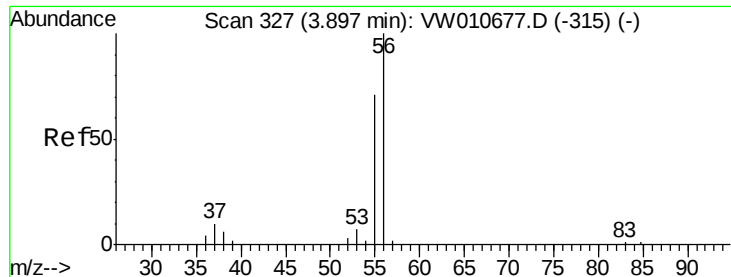


#12

1,1-Dichloroethene
Concen: 95.930 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.0	149.1	223.7
98	63.0	51.1	76.7





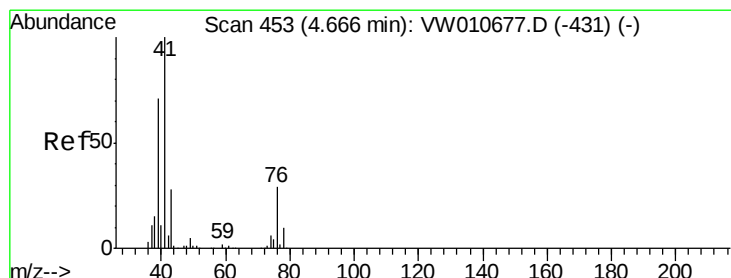
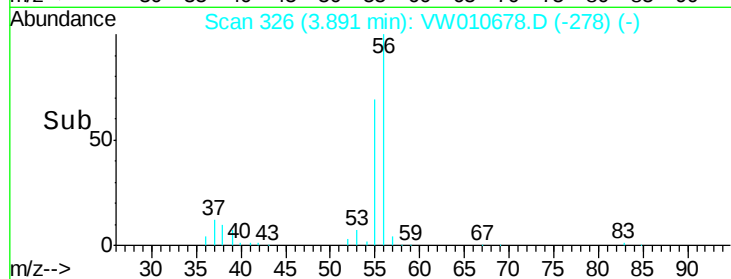
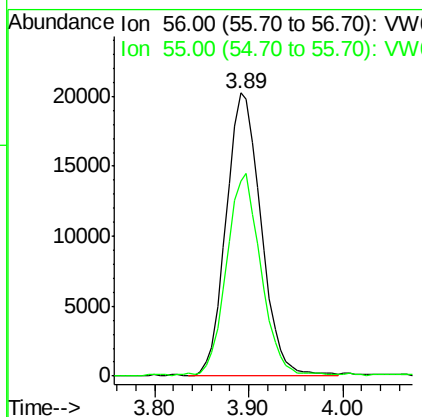
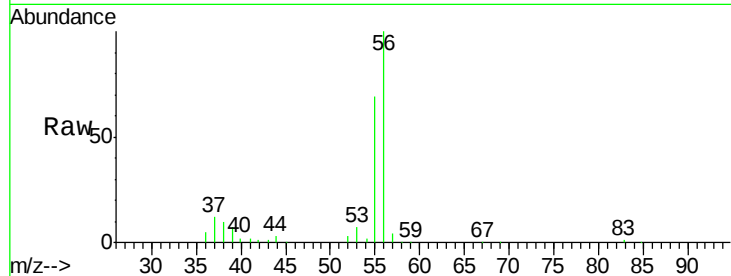
#13
Acrolein
Concen: 503.846 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.6	86.4

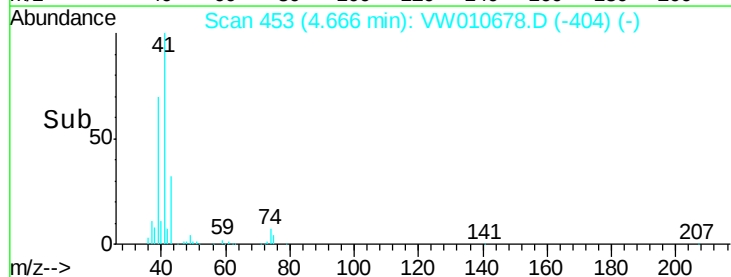
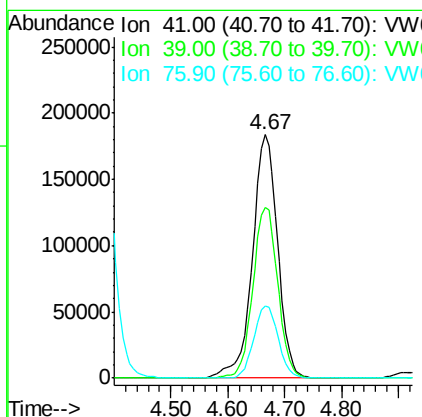
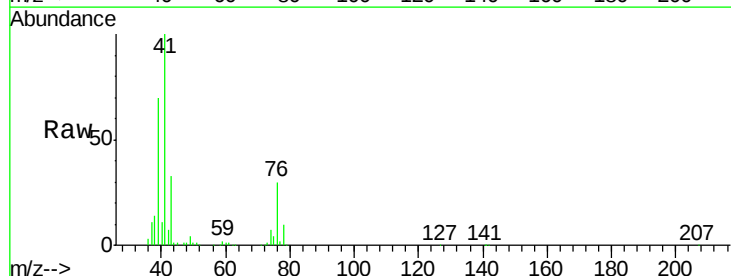
Manual Integrations
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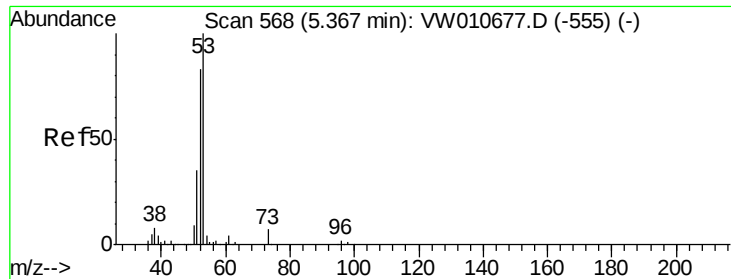
MMDadoda
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#14
Allyl chloride
Concen: 100.810 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.4	55.8	83.6
76	28.6	22.7	34.1





#15

Acrylonitrile

Concen: 510.962 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

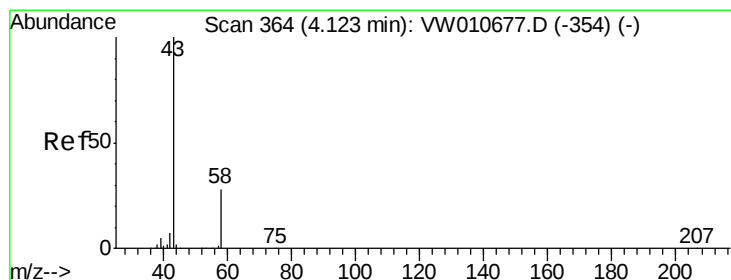
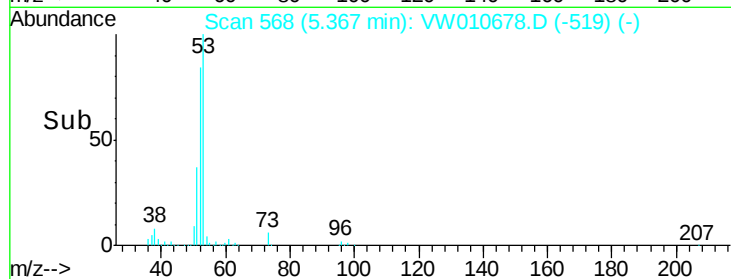
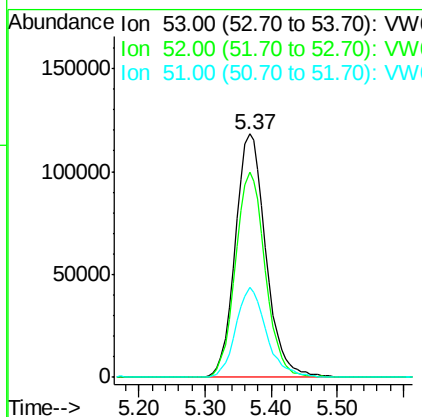
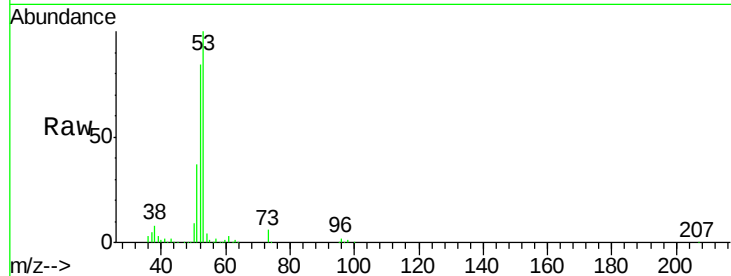
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	379041
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 555.170 ug/l

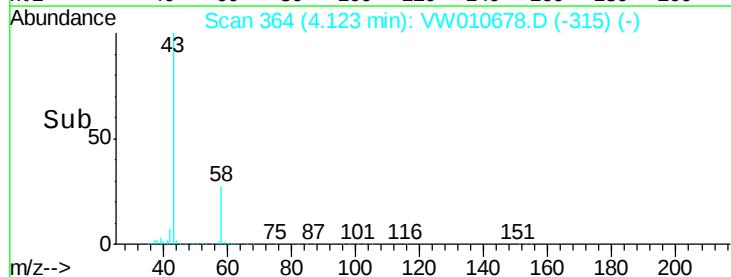
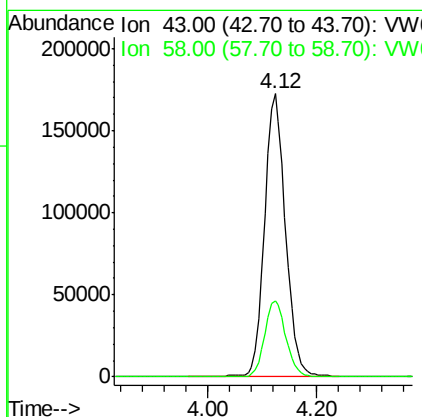
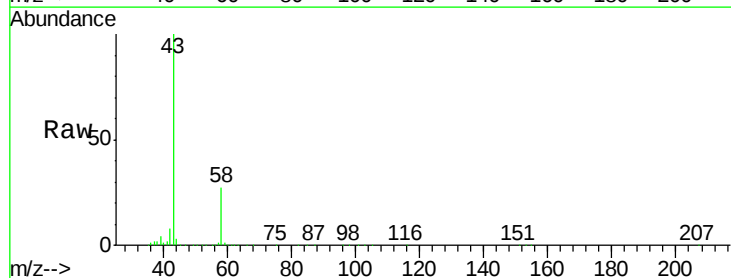
RT: 4.12 min Scan# 364

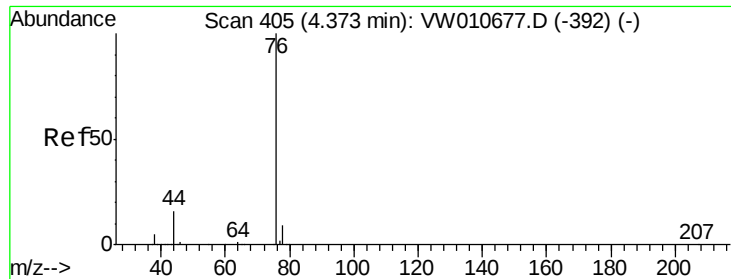
Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	43	Resp:	459443
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.1	33.1





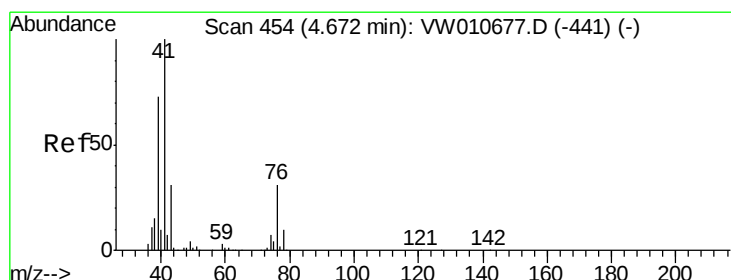
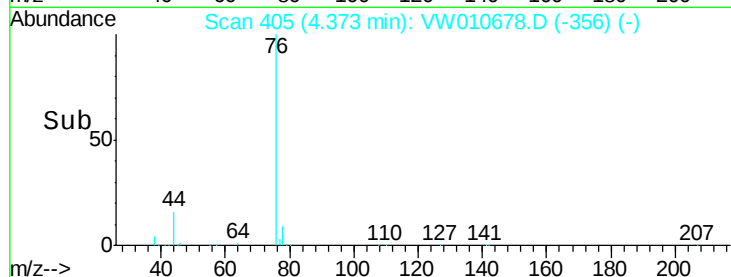
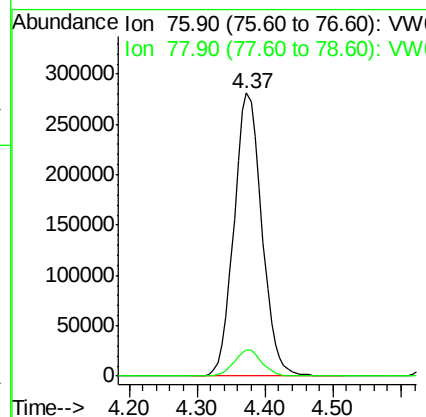
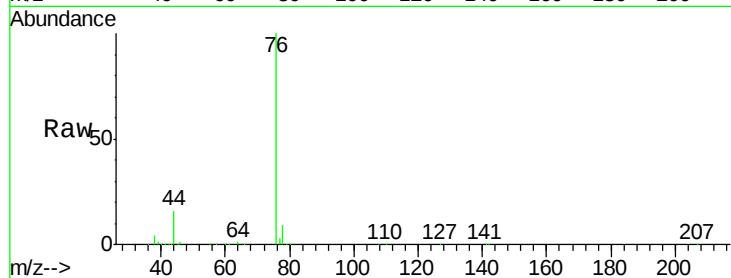
#17
Carbon Disulfide
Concen: 99.360 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

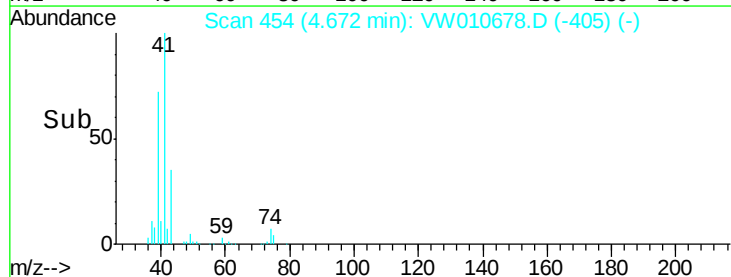
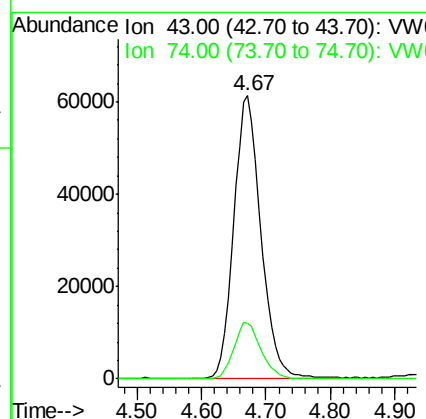
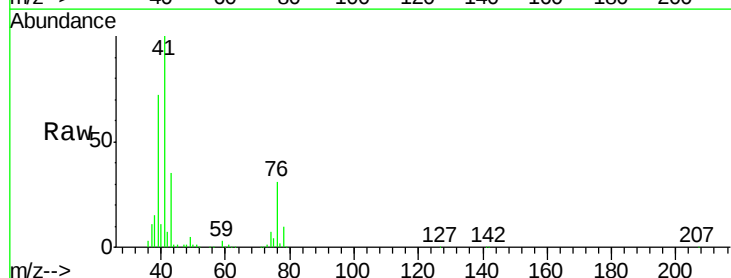
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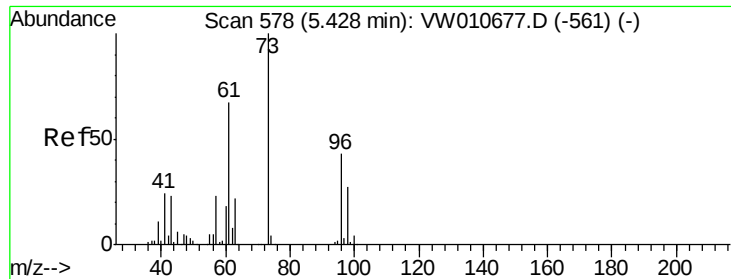
MMDadoda
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#18
Methyl Acetate
Concen: 101.121 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.7	25.1





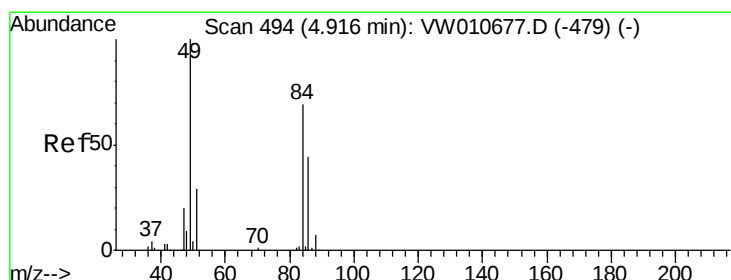
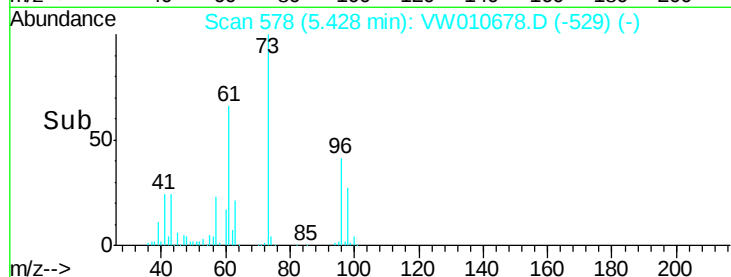
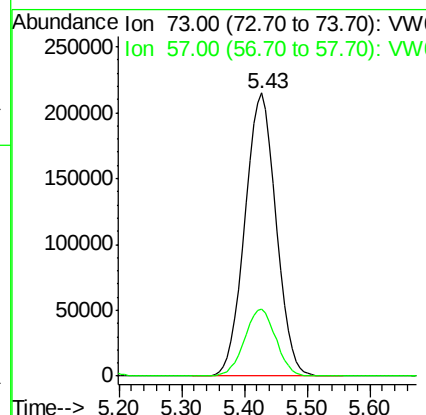
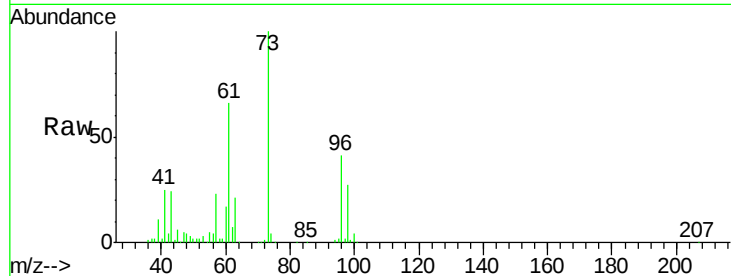
#19
Methyl tert-butyl Ether
Concen: 101.095 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.6	27.8

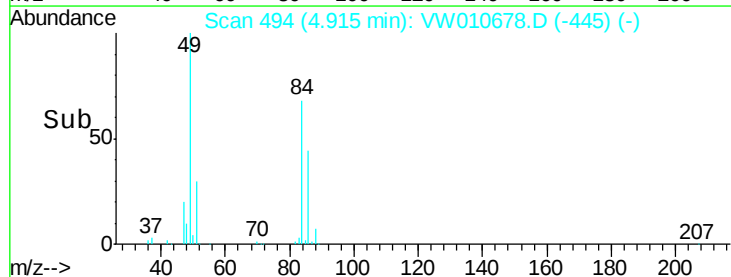
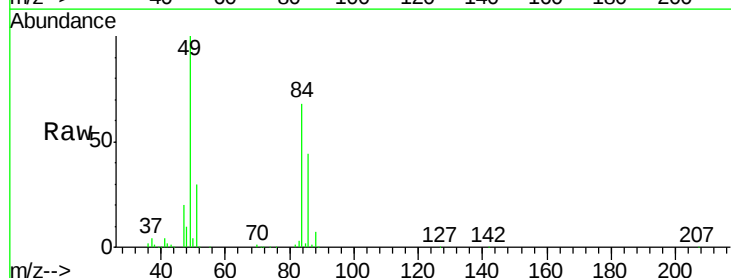
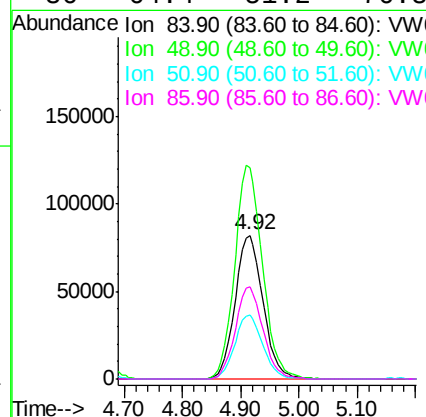
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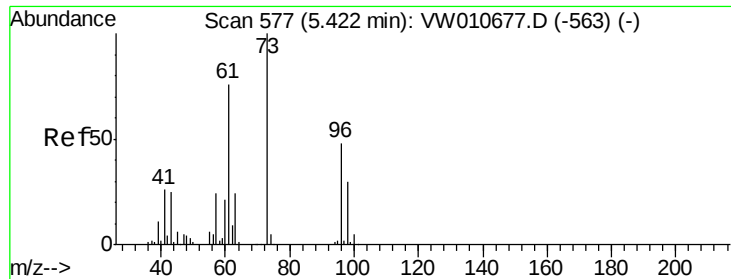
MMDadoda
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#20
Methylene Chloride
Concen: 93.964 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	116.7	175.1
51	44.9	34.2	51.2
86	64.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 97.459 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

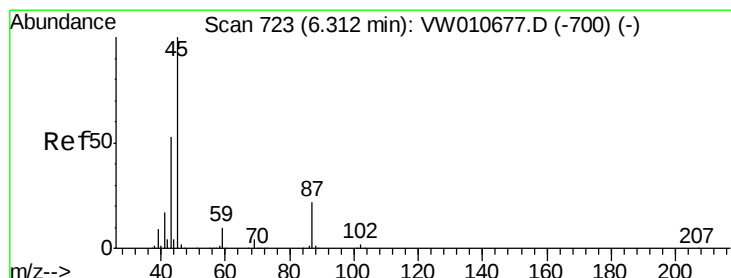
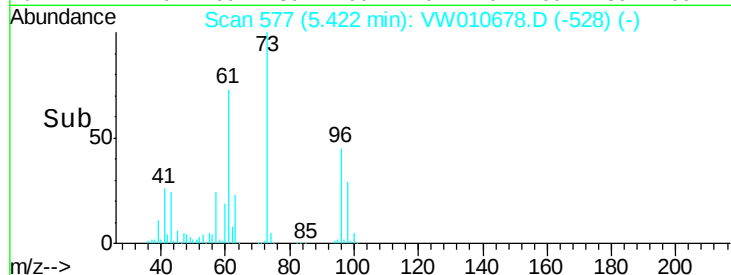
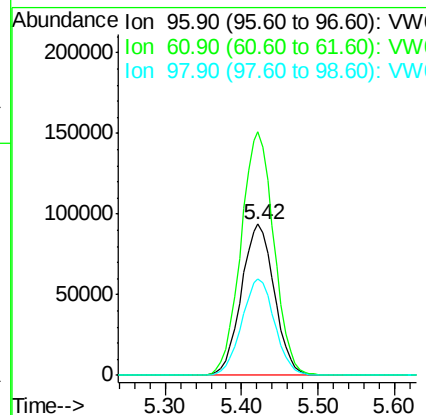
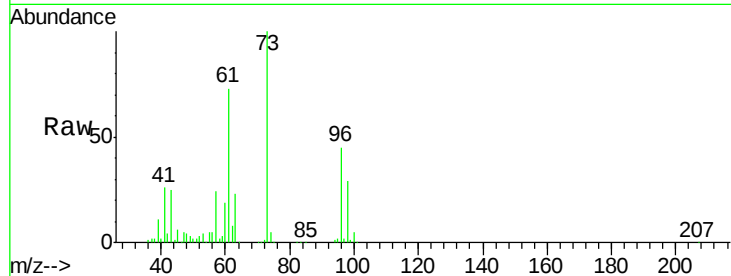
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	280361
Ion	Ratio	Lower	Upper
96	100		
61	161.1	126.0	189.0
98	63.9	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 99.855 ug/l

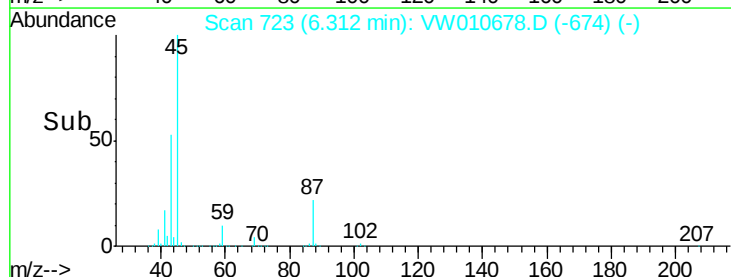
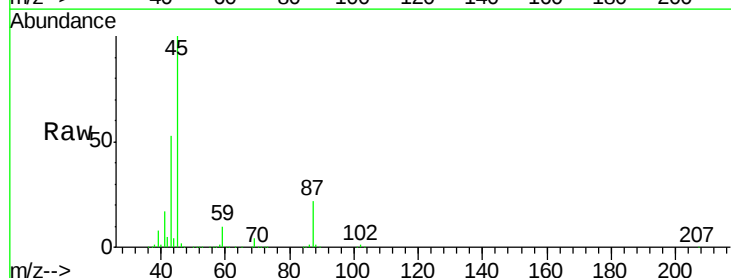
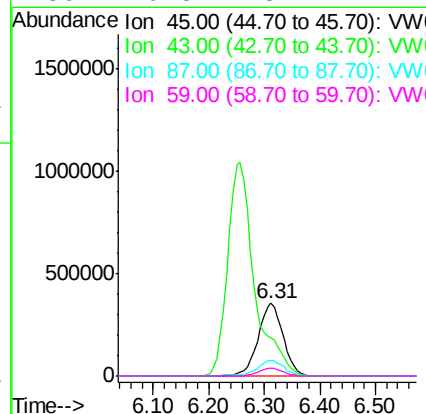
RT: 6.31 min Scan# 723

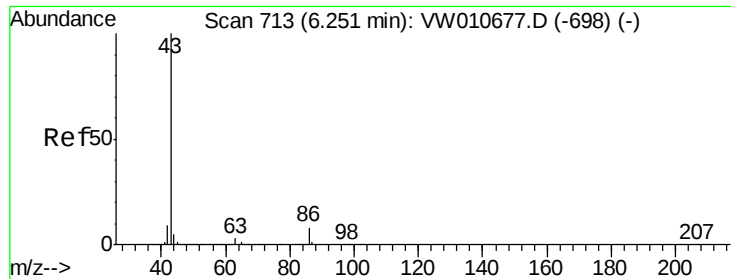
Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	45	Resp:	1117000
Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.5	63.7
87	21.9	17.4	26.2
59	10.3	8.1	12.1





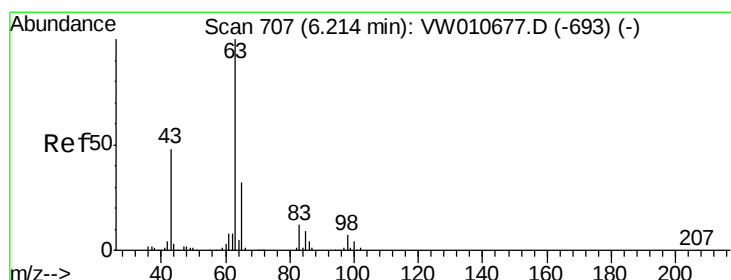
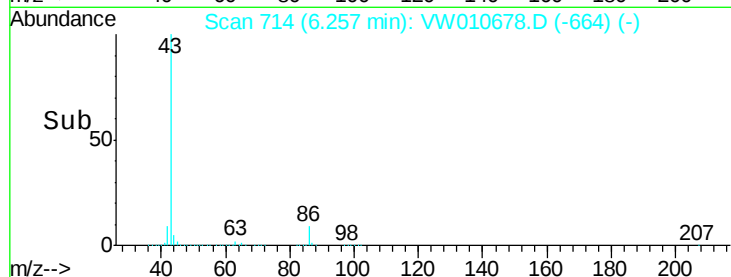
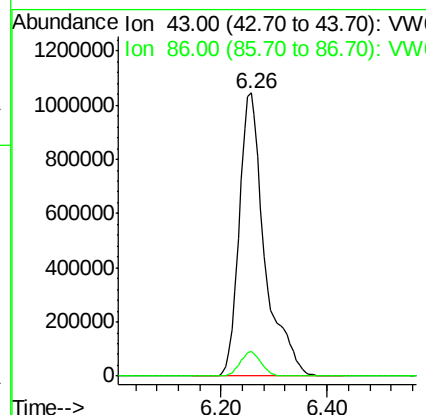
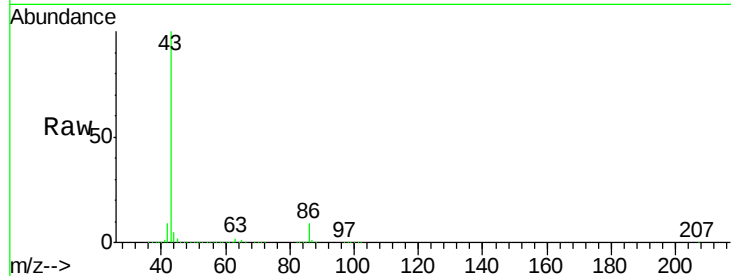
#23
 Vinyl Acetate
 Concen: 516.372 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 3485956
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.6 10.0

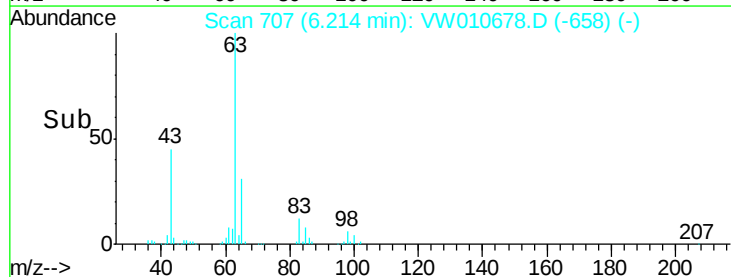
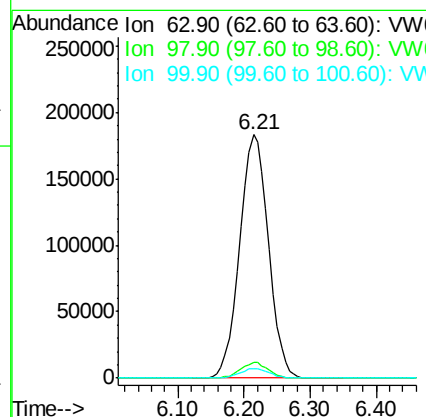
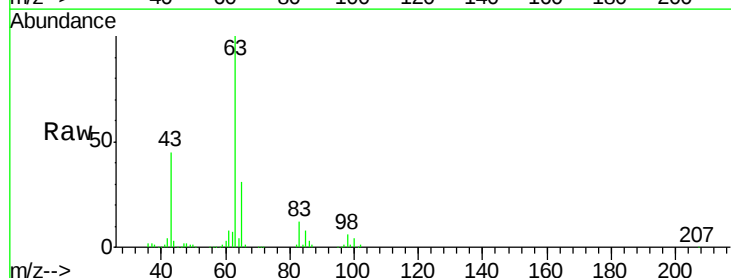
Manual Integrations
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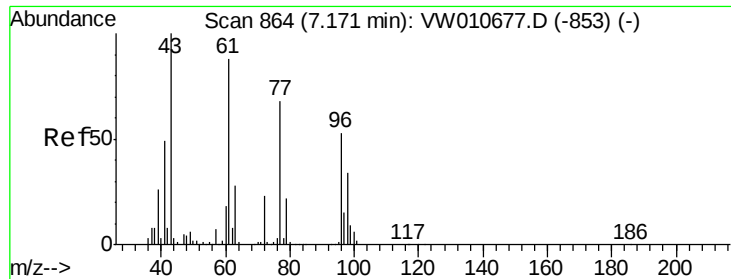
MMDadoda
 6/5/2019 3:05:07 PM



#24
 1,1-Dichloroethane
 Concen: 98.751 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 63 Resp: 553590
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 533.093 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 611746

Ion Ratio Lower Upper

43 100

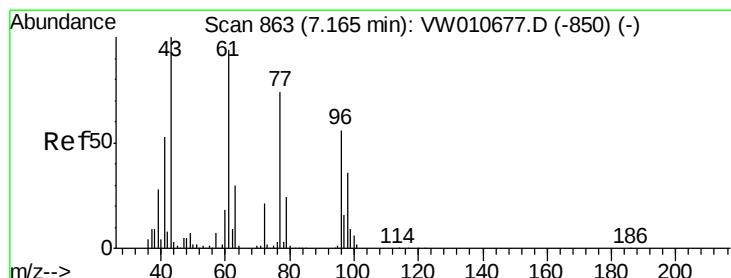
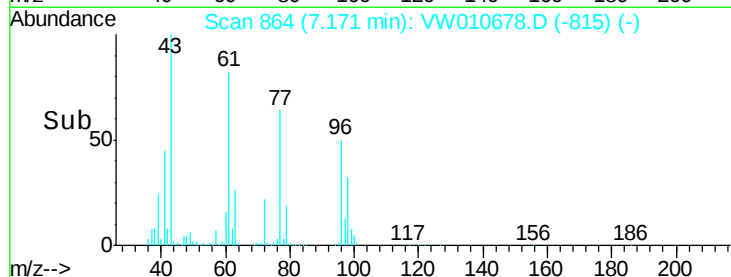
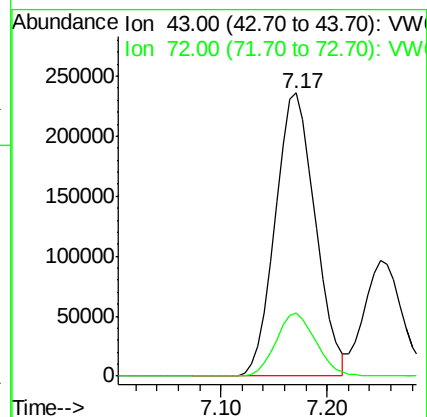
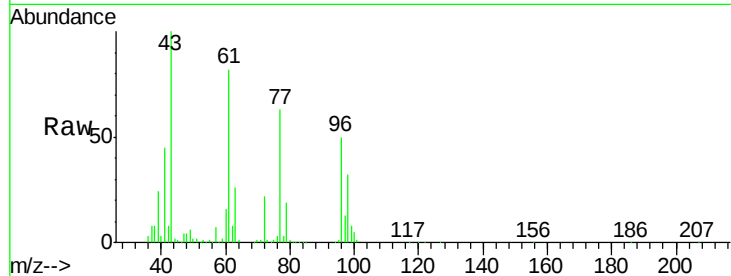
72 22.3 18.1 27.1

Manual Integrations

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MMDadoda

6/5/2019 3:05:07 PM



#26

2,2-Dichloropropane

Concen: 97.460 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010678.D

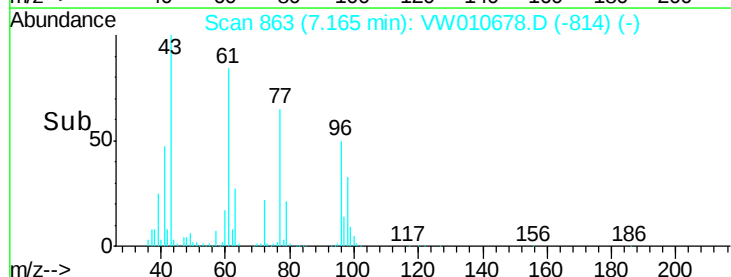
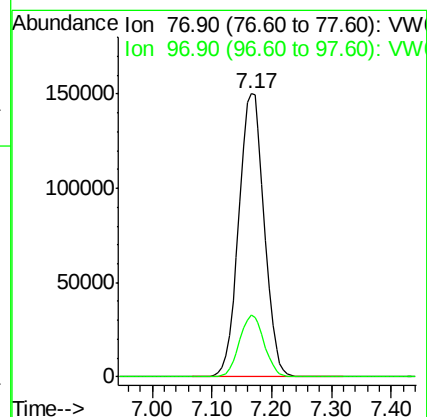
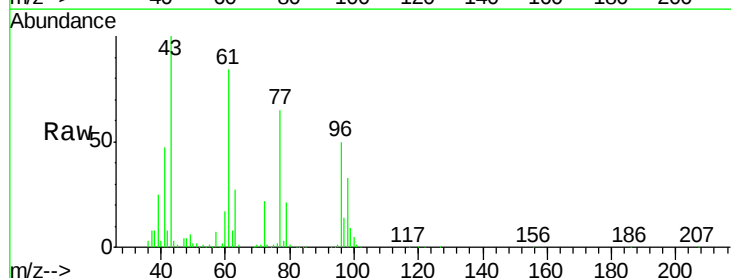
Acq: 04 Jun 2019 16:08

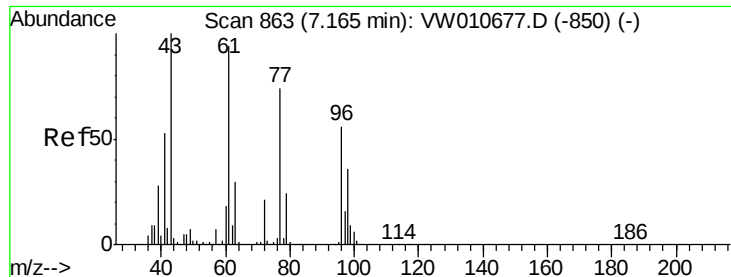
Tgt Ion: 77 Resp: 444583

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6





#27

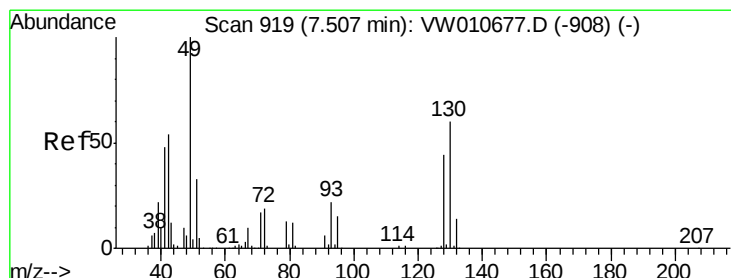
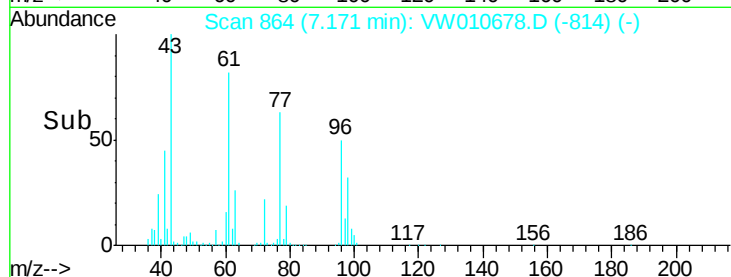
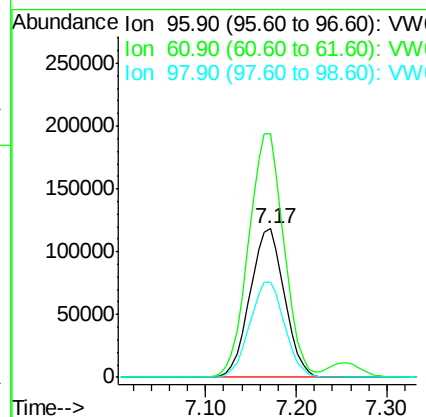
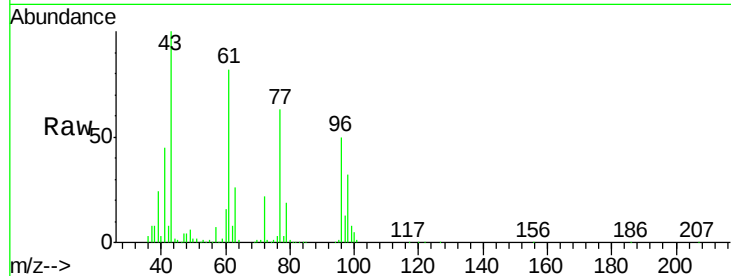
cis-1,2-Dichloroethene
Concen: 98.460 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	311708		
61	167.5	0.0	336.4	
98	64.6	0.0	128.0	

Manual Integrations
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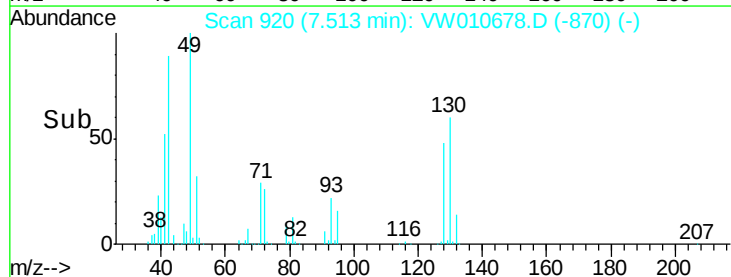
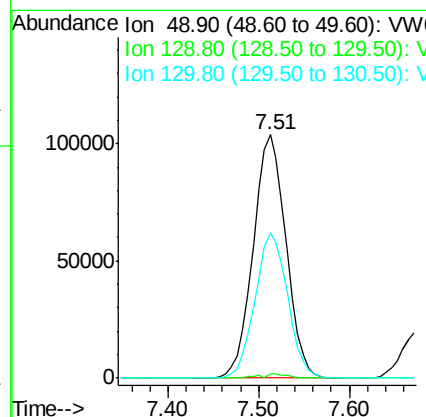
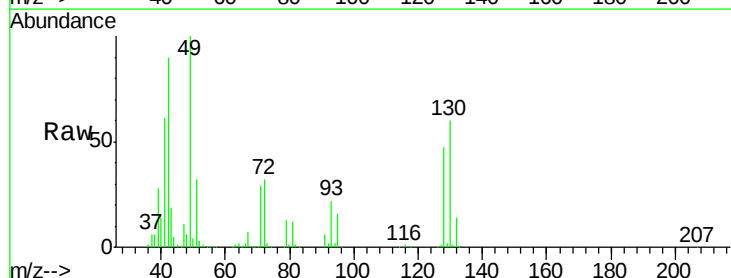
MMDadoda
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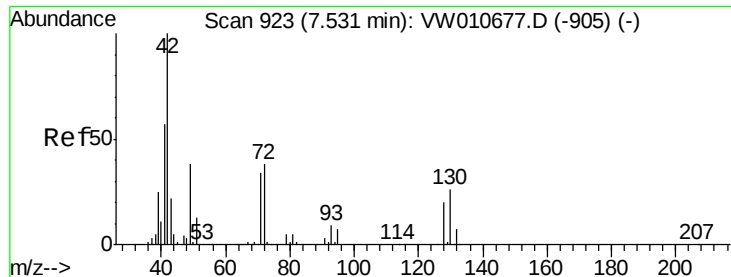


#28

Bromochloromethane
Concen: 103.619 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	259233		
129	1.0	0.0	3.2	
130	59.4	48.3	72.5	





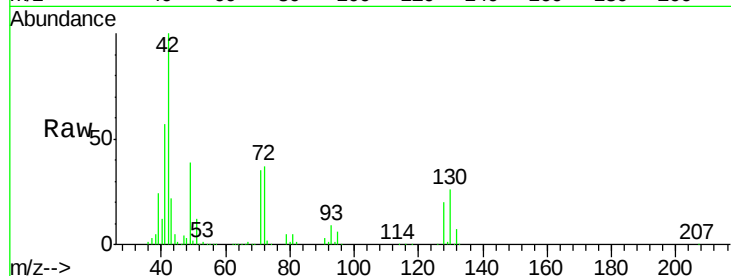
#29
Tetrahydrofuran
Concen: 512.261 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

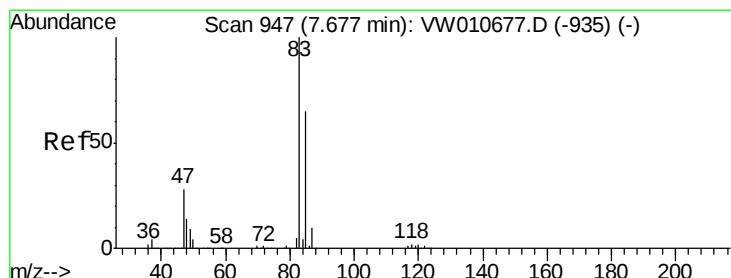
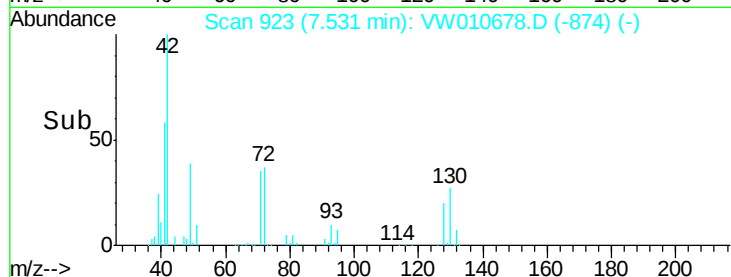
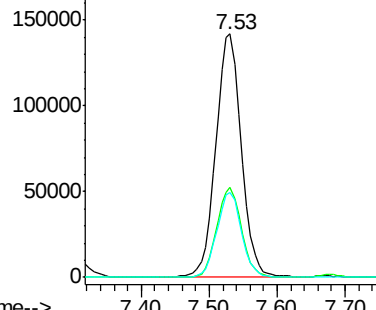
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.7	43.1
71	33.8	26.6	39.8

Manual Integrations
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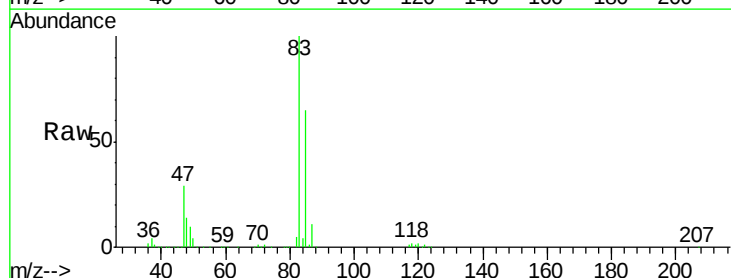


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

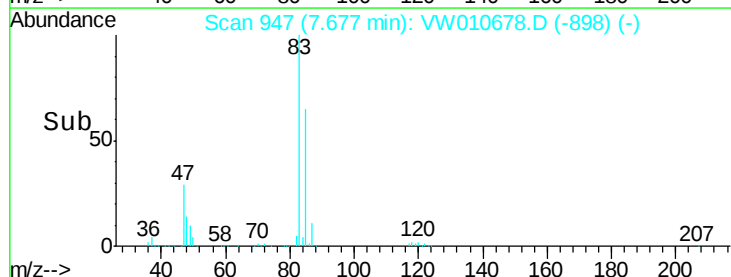
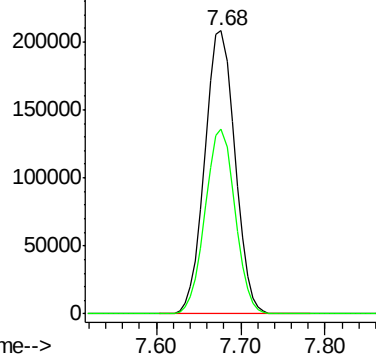


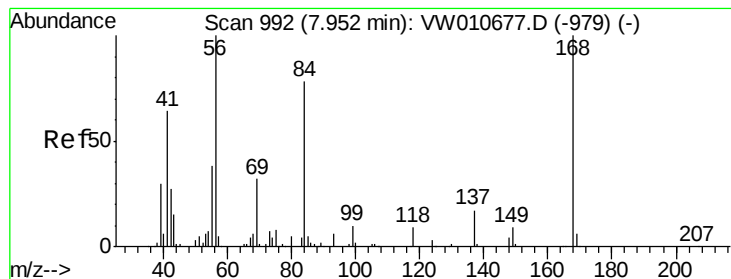
#30
Chloroform
Concen: 98.539 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cvclohexane

Concen: 91.575 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

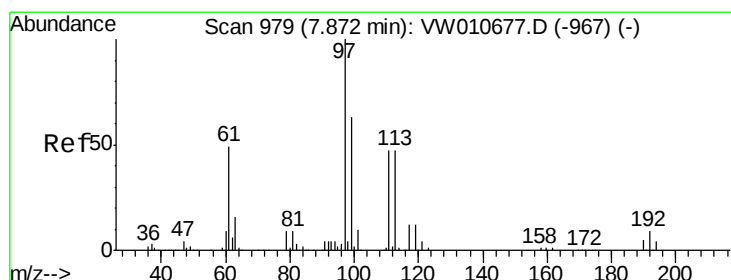
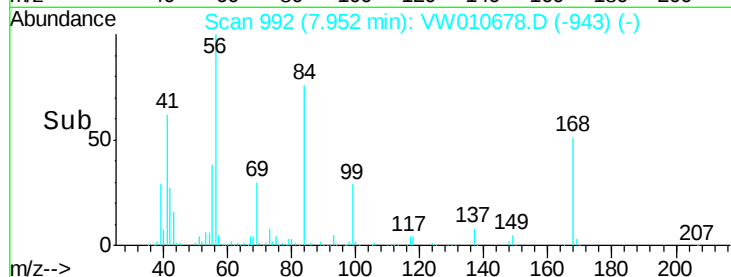
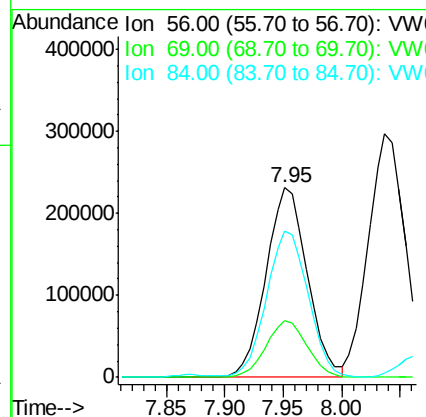
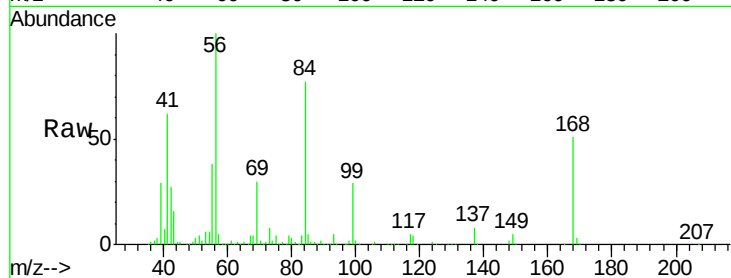
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	570664
Ion	Ratio	Lower	Upper
56	100		
69	29.7	25.2	37.8
84	75.6	62.2	93.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 98.761 ug/l

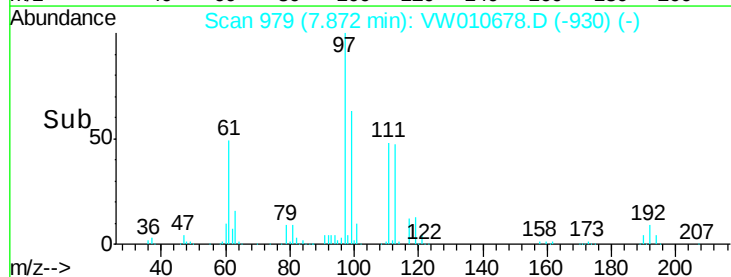
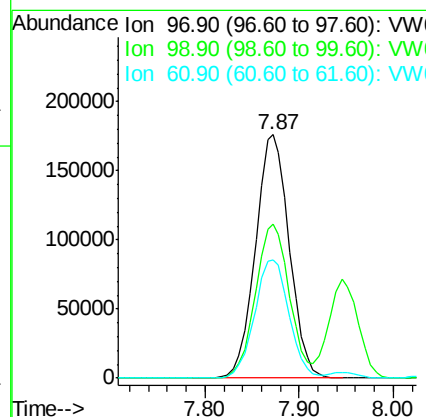
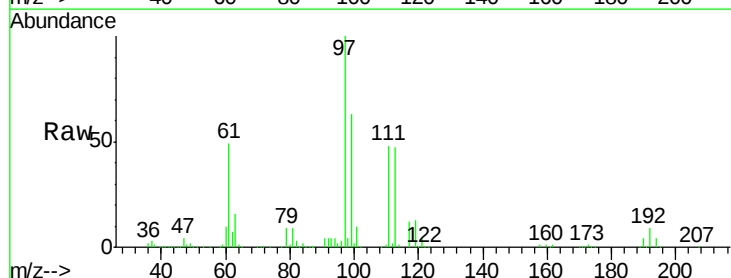
RT: 7.87 min Scan# 979

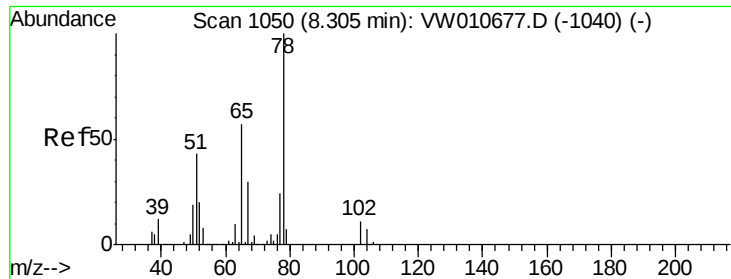
Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	97	Resp:	442359
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	49.5	40.4	60.6





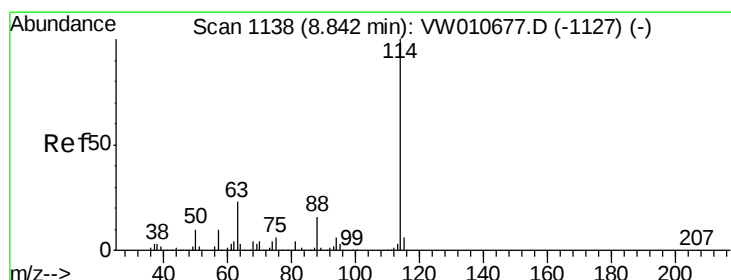
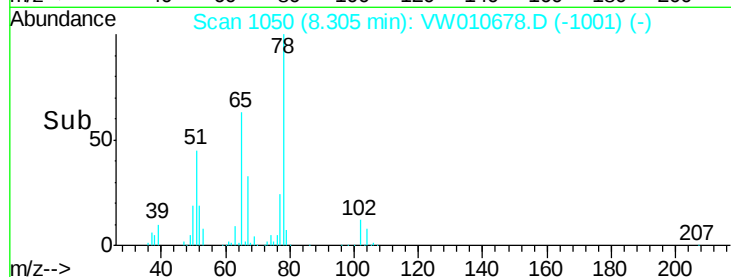
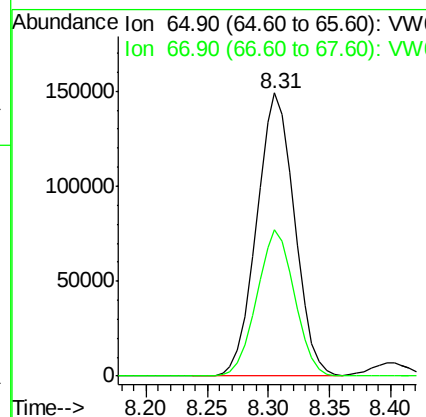
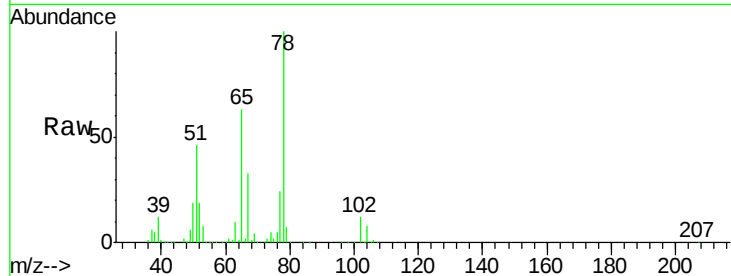
#33
 1,2-Dichloroethane-d4
 Concen: 104.055 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	102.6	

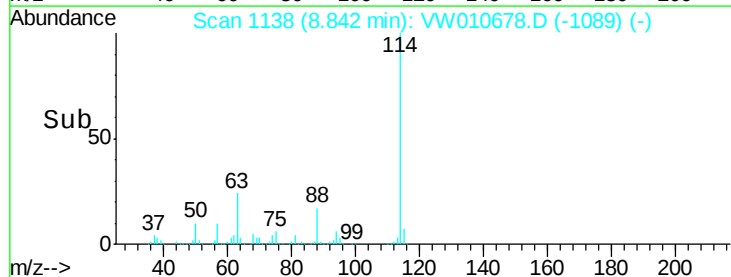
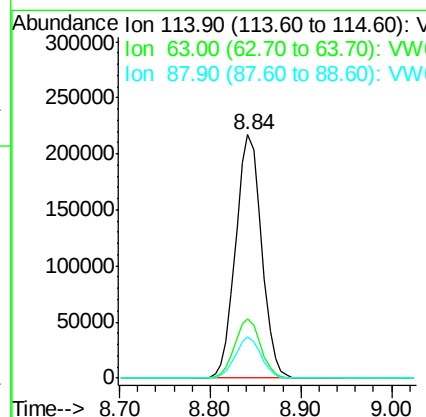
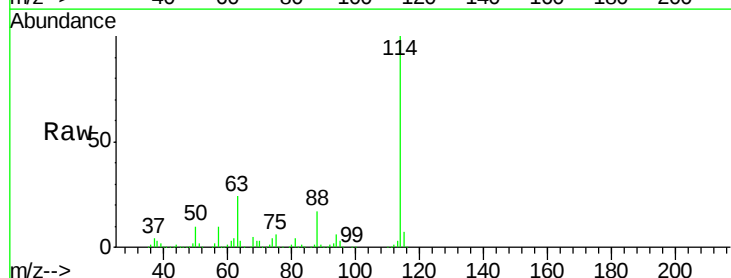
Manual Integrations
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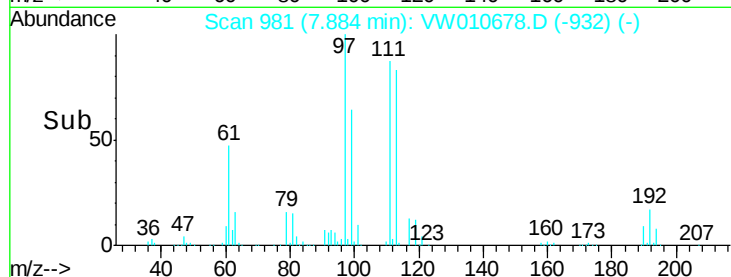
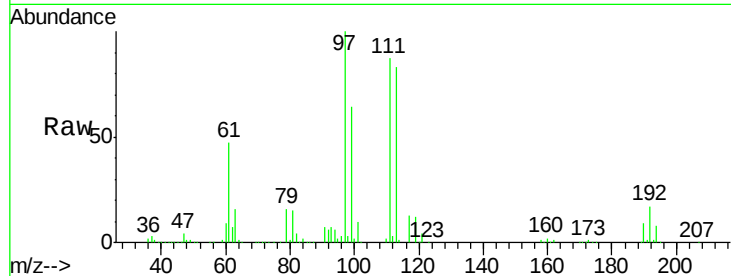
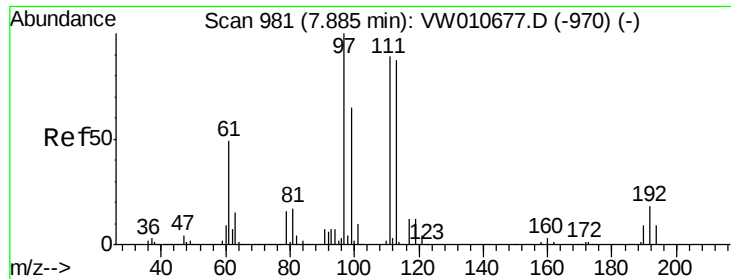
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.3	0.0	46.4	
88	16.9	0.0	32.2	





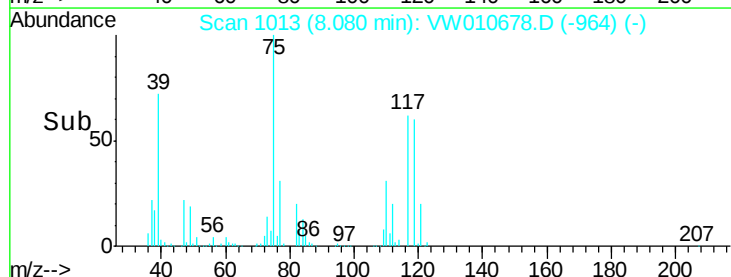
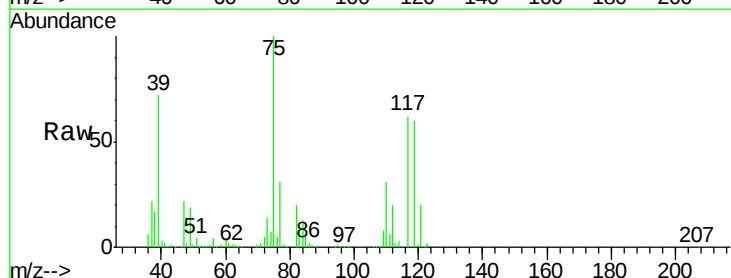
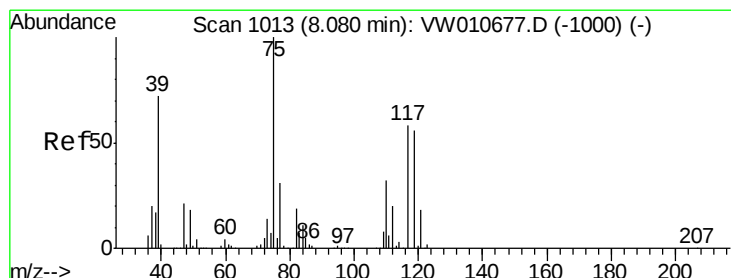
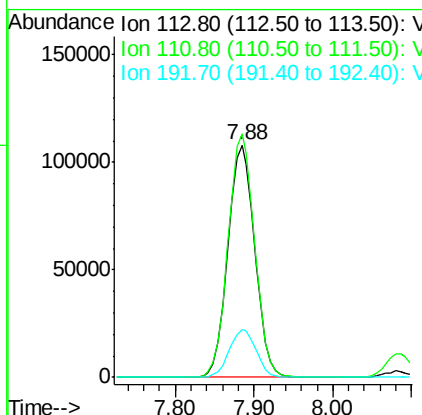
#35
Dibromofluoromethane
Concen: 109.433 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255636		
111	103.8	82.6	123.8	
192	20.6	16.4	24.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

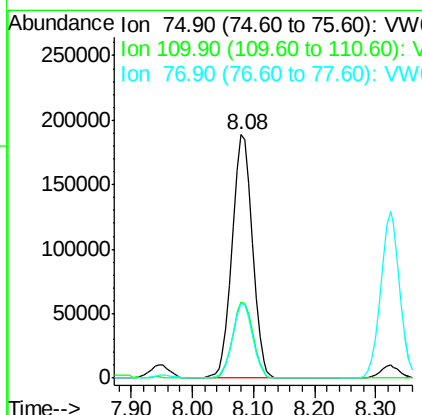
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#36
1,1-Dichloropropene
Concen: 96.951 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	427110		
110	31.4	15.8	47.3	
77	30.7	24.7	37.1	





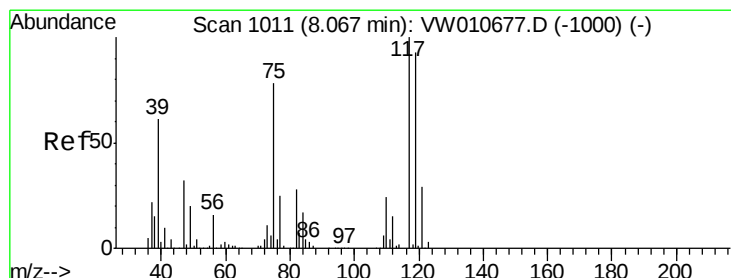
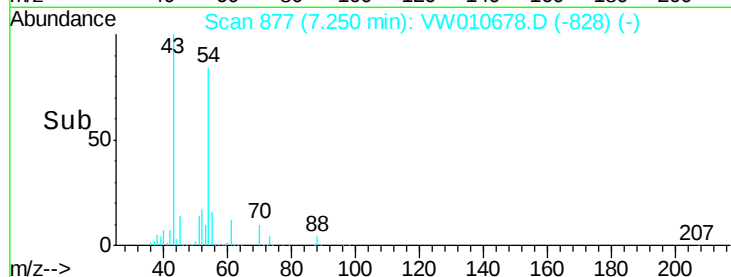
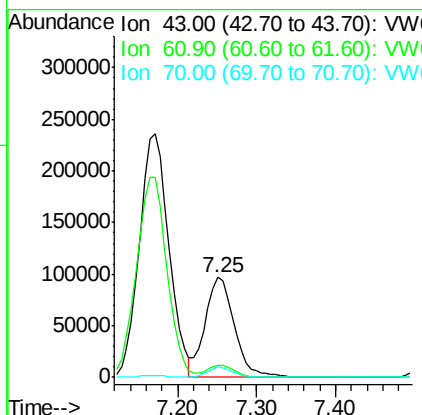
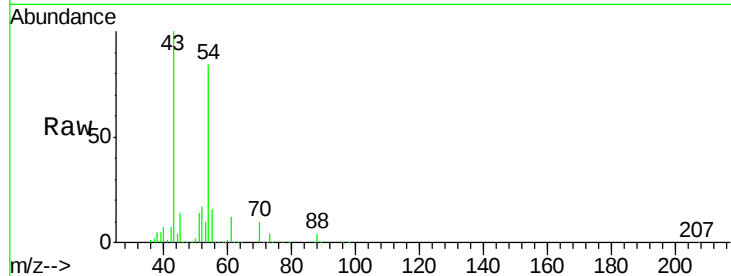
#37
Ethyl Acetate
Concen: 102.281 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	9.7	14.5
70	8.8	7.2	10.8

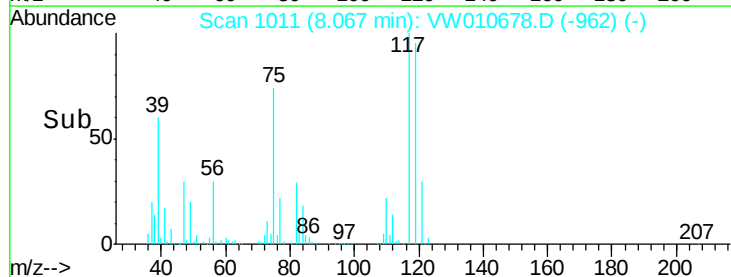
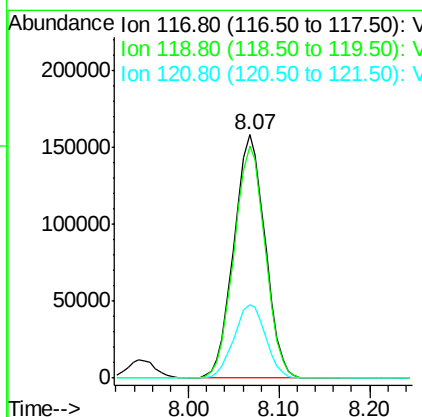
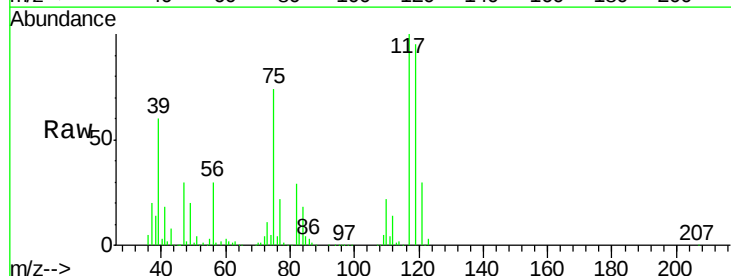
Manual Integrations
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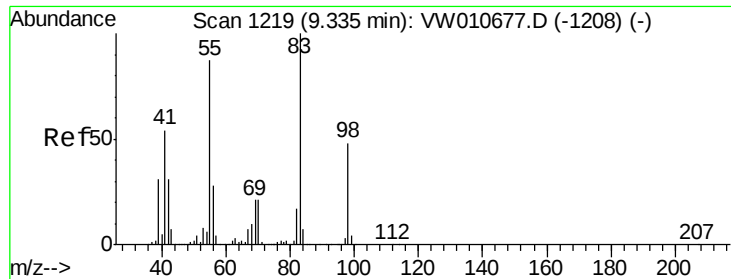
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6/5/2019 3:05:07 PM



#38
Carbon Tetrachloride
Concen: 99.089 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.2	111.4
121	30.3	22.9	34.3





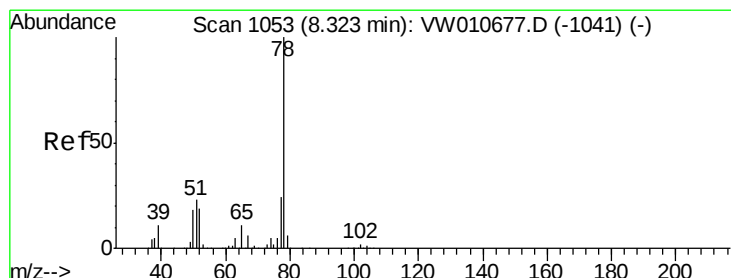
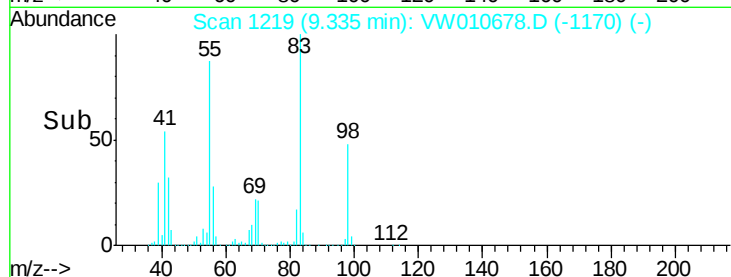
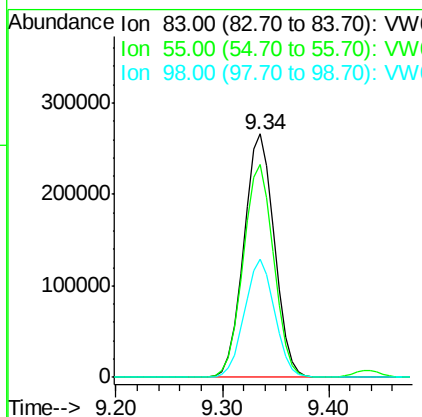
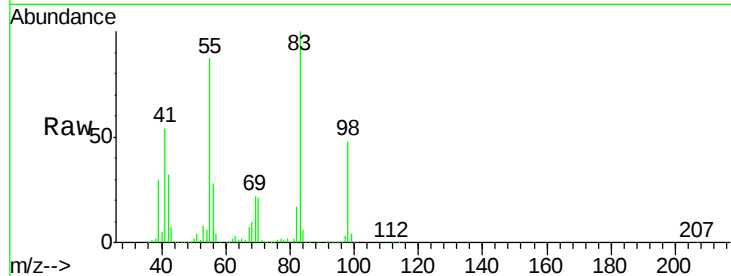
#39
Methvlcvclohexane
Concen: 96.113 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	70.0	105.0
98	48.4	38.1	57.1

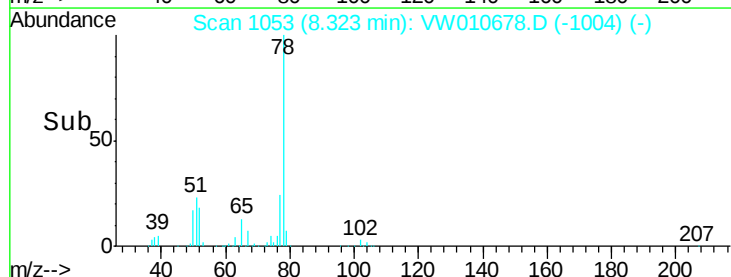
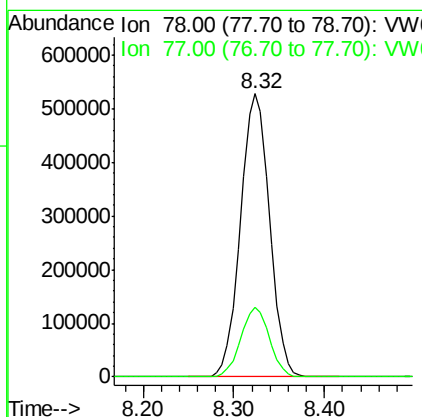
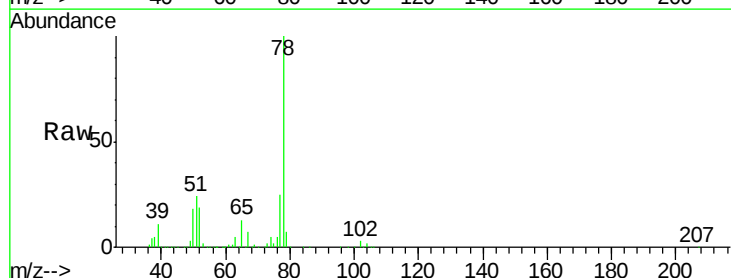
Manual Integrations
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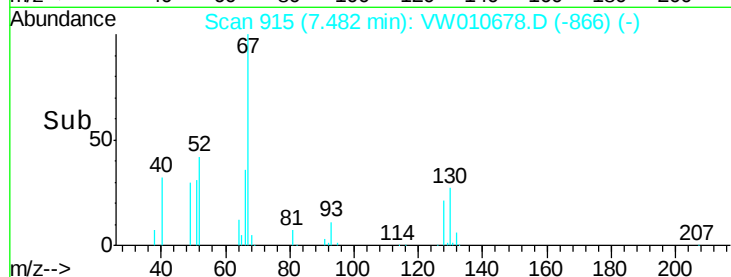
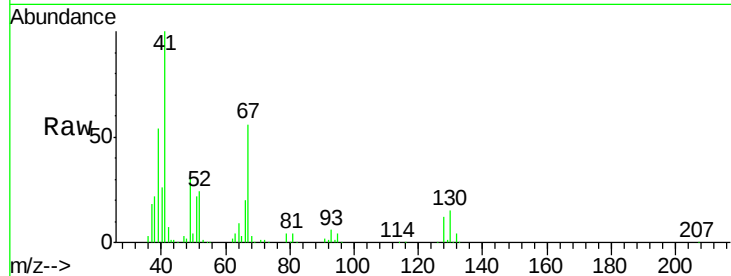
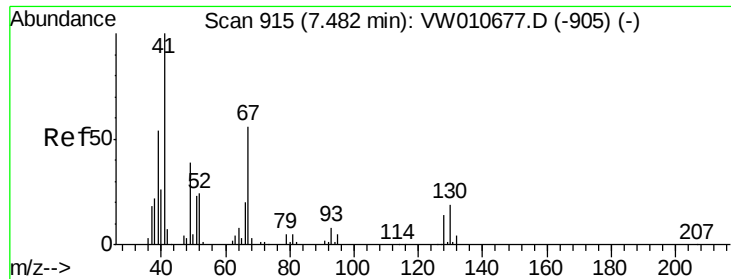
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#40
Benzene
Concen: 97.284 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





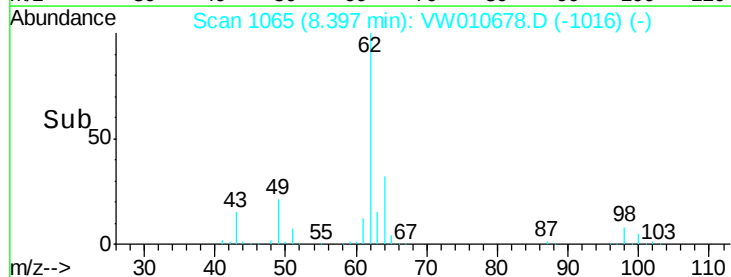
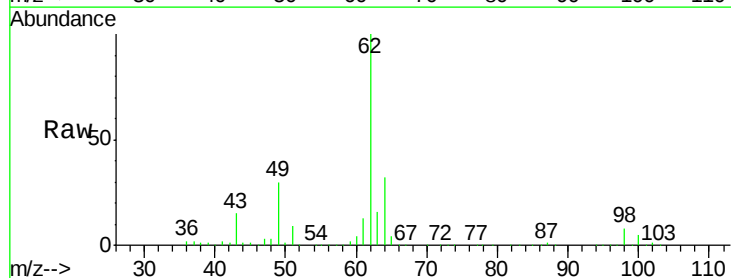
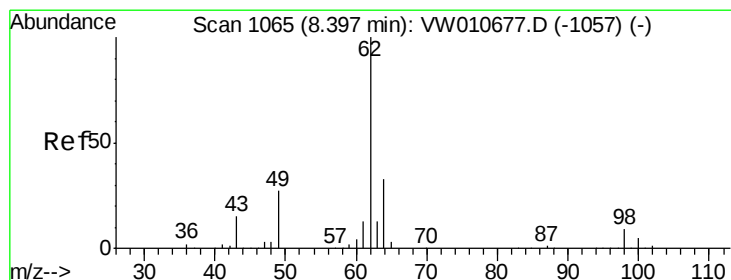
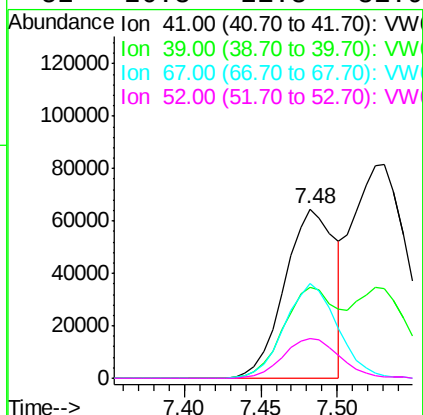
#41
Methacrylonitrile
Concen: 102.130 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		148196		
39	60.4	47.3	70.9		
67	59.2	47.2	70.8		
52	26.3	21.3	31.9		

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

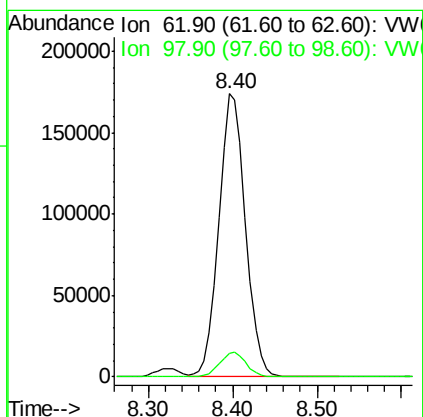
Manual Integrations
APPROVED

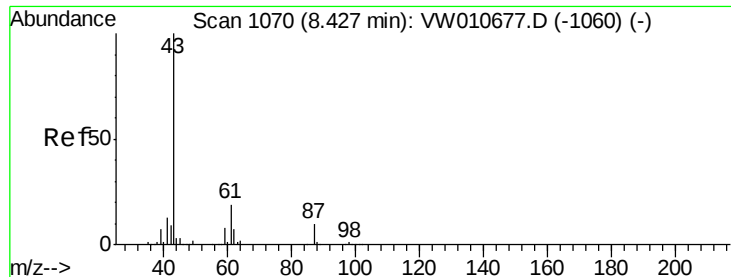
MMDadoda
6/5/2019 3:05:07 PM



#42
1,2-Dichloroethane
Concen: 98.805 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		376873		
98	8.6	0.0	17.2		





#43

Isopropyl Acetate

Concen: 102.971 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

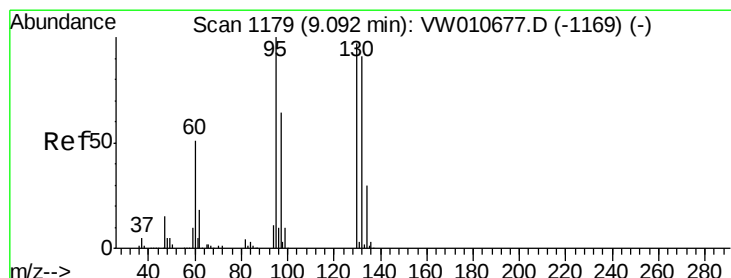
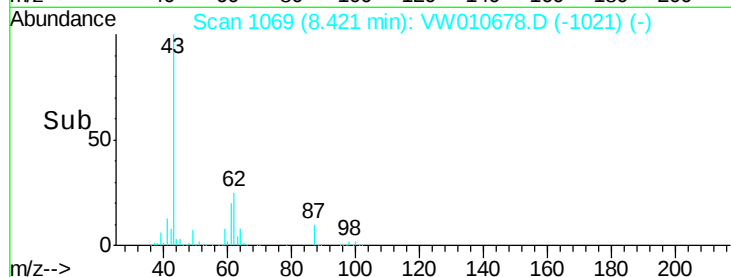
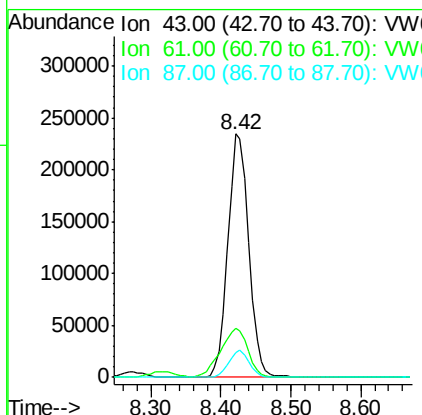
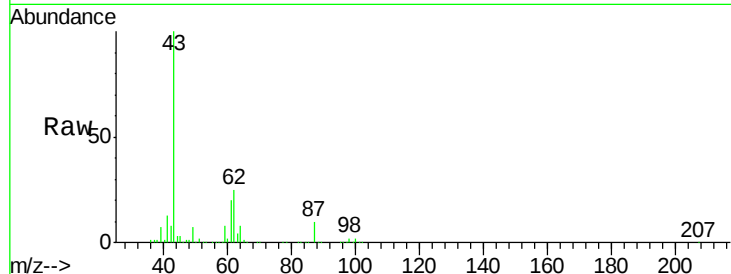
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	485639
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.2	31.8
87	10.7	8.3	12.5

Manual Integrations
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#44

Trichloroethene

Concen: 97.398 ug/l

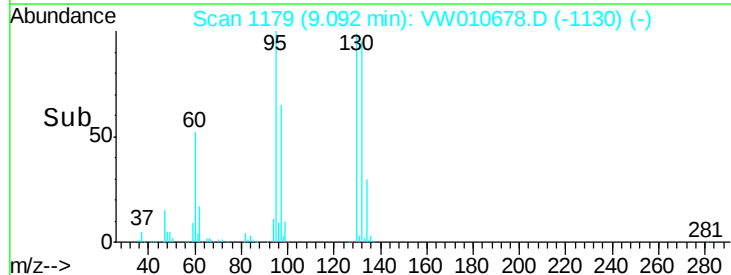
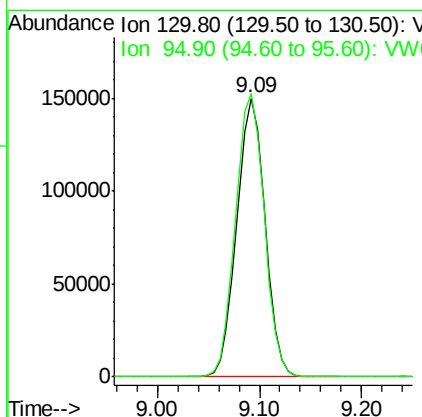
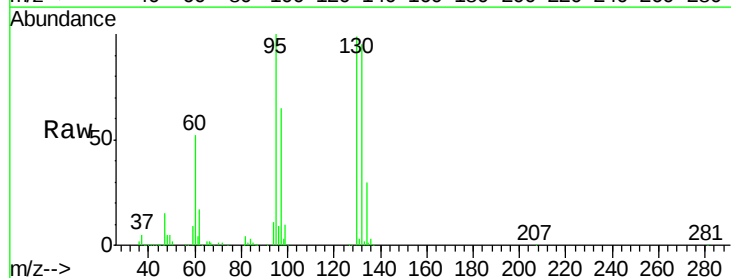
RT: 9.09 min Scan# 1179

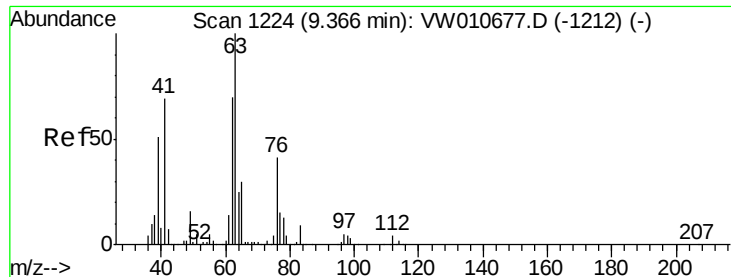
Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	130	Resp:	288746
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	207.0





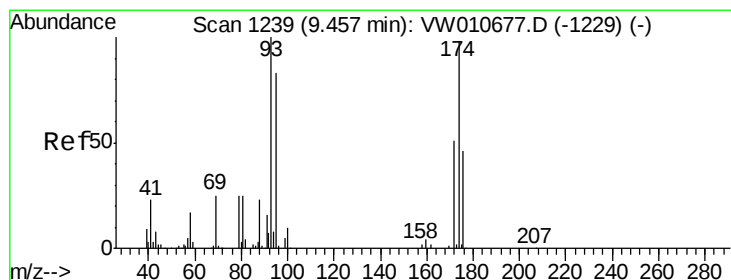
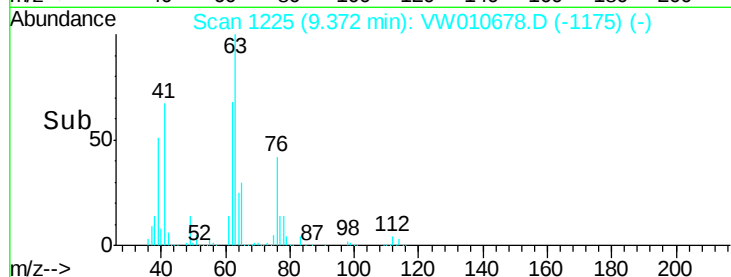
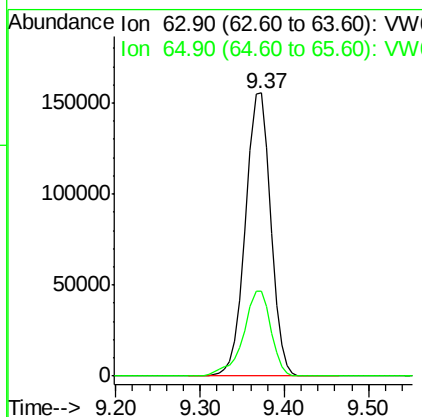
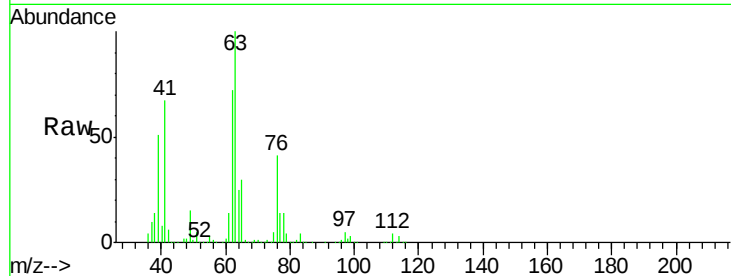
#45
 1,2-Dichloropropane
 Concen: 98.670 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 313905
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6

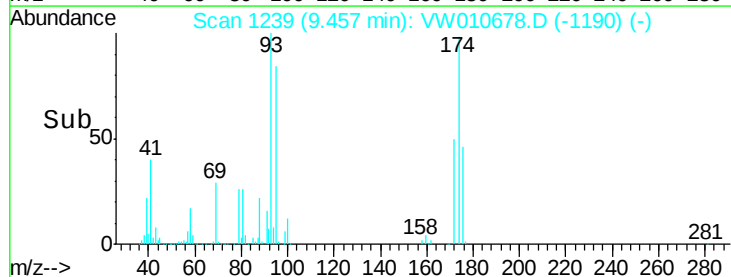
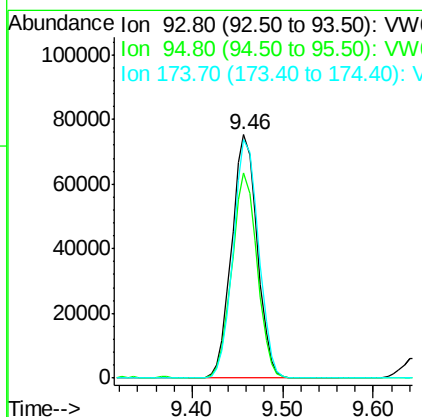
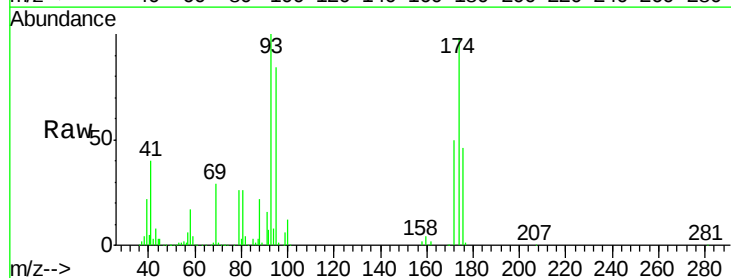
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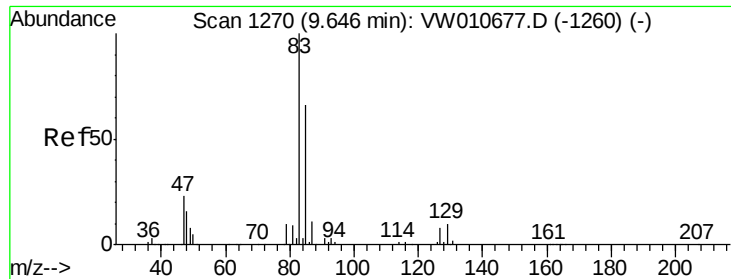
MMDadoda
 6/5/2019 3:05:07 PM



#46
 Dibromomethane
 Concen: 99.521 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 93 Resp: 147059
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.8 98.8
 174 97.7 77.4 116.0





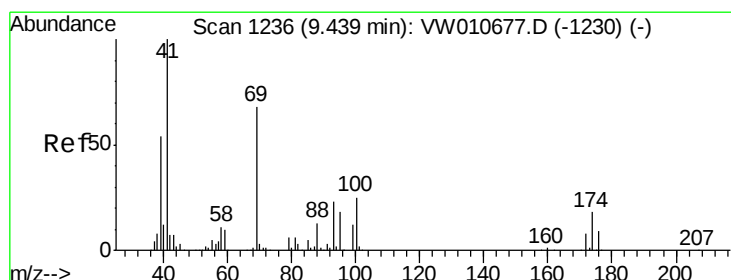
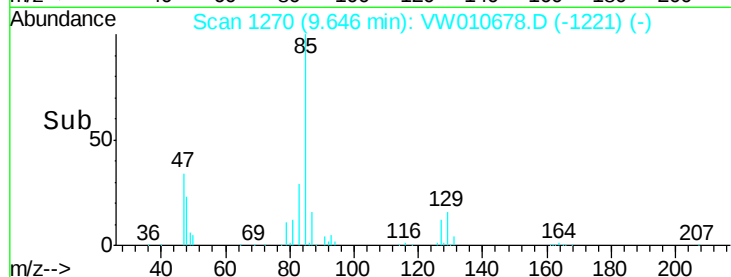
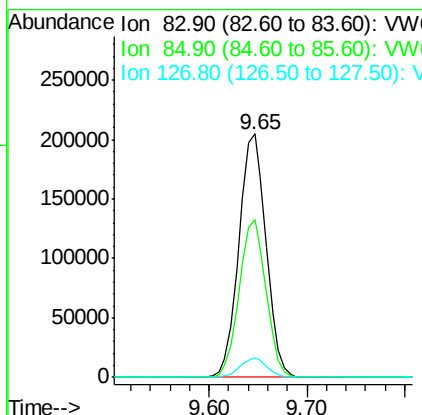
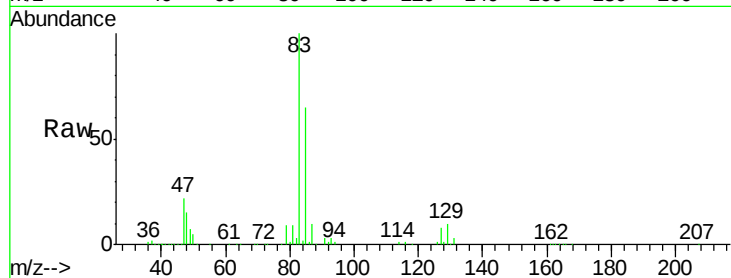
#47
Bromodichloromethane
Concen: 102.661 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	83	Resp	393228
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	53.0	79.4
127	8.0	6.4	9.6

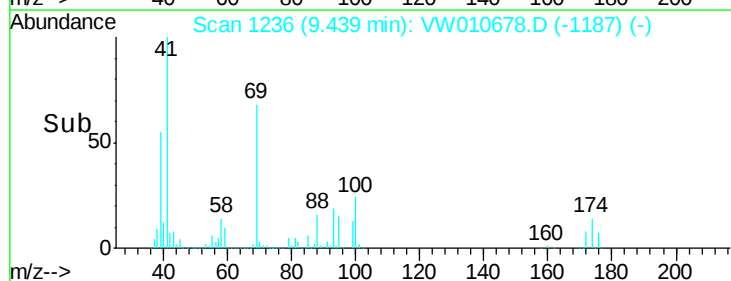
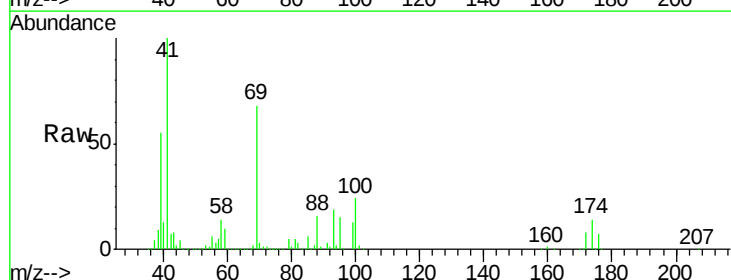
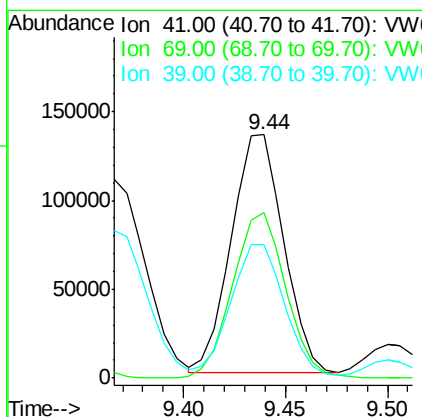
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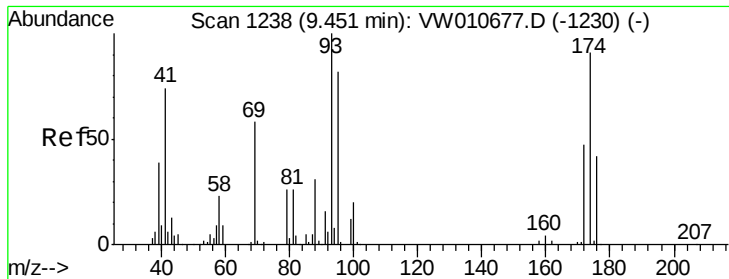
MMDadoda
6/5/2019 3:05:07 PM



#48
Methyl methacrylate
Concen: 104.722 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	41	Resp	238131
Ion Ratio	100	Lower	Upper
41	100		
69	71.1	56.6	85.0
39	55.3	44.4	66.6





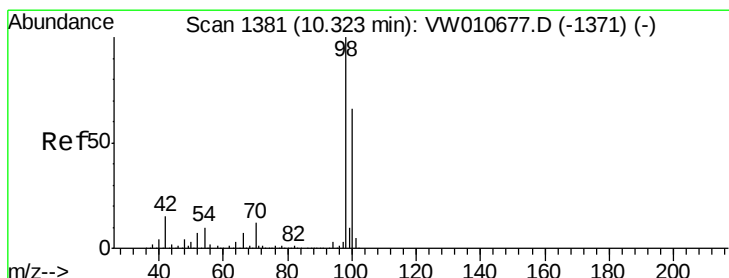
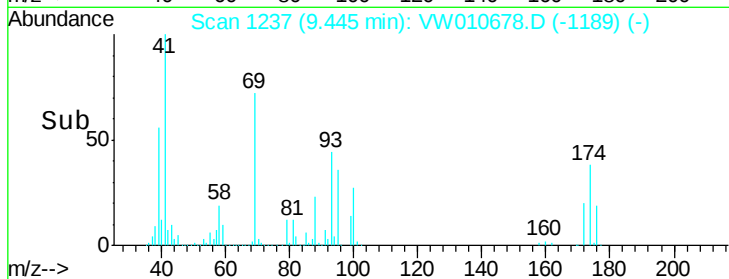
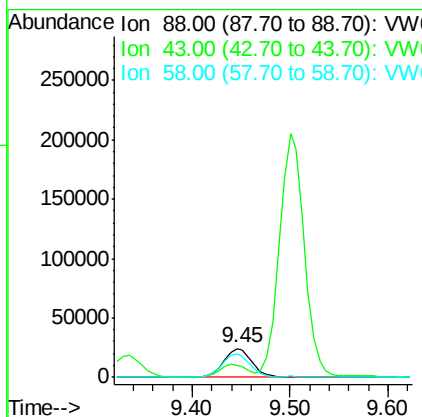
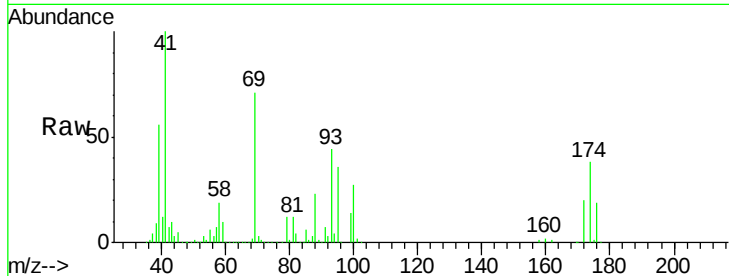
#49
1,4-Dioxane
Concen: 2102.880 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	88	Resp	48582
Ion	Ratio	Lower	Upper
88	100		
43	42.5	34.2	51.4
58	81.5	69.0	103.4

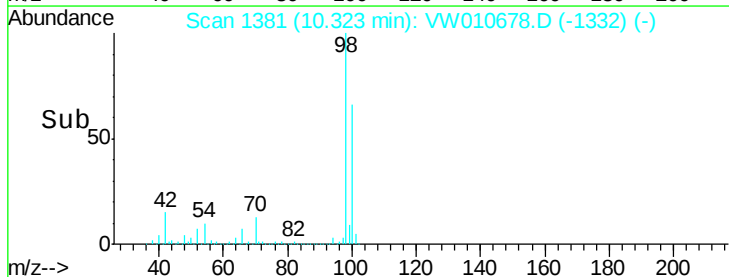
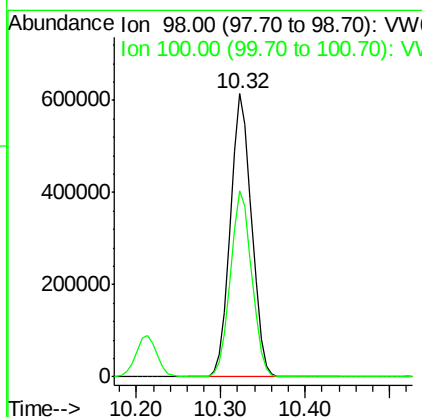
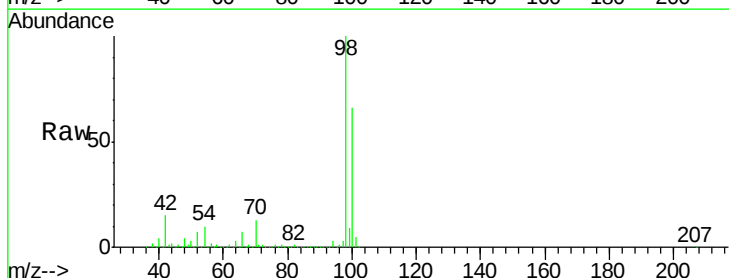
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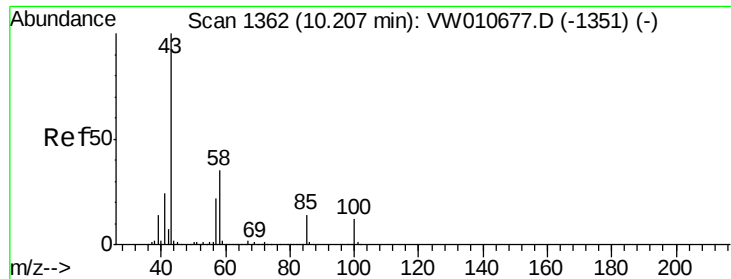
MMDadoda
6/5/2019 3:05:07 PM



#50
Toluene-d8
Concen: 102.667 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	98	Resp	1051681
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 517.522 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1246922

Ion Ratio Lower Upper

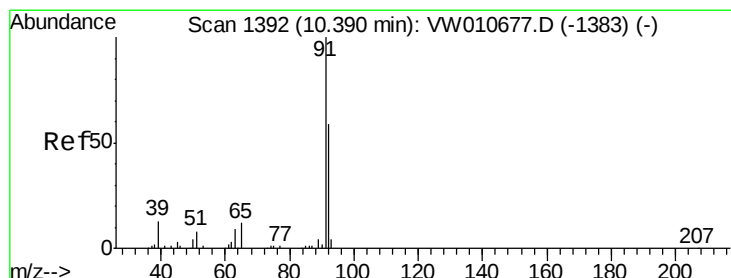
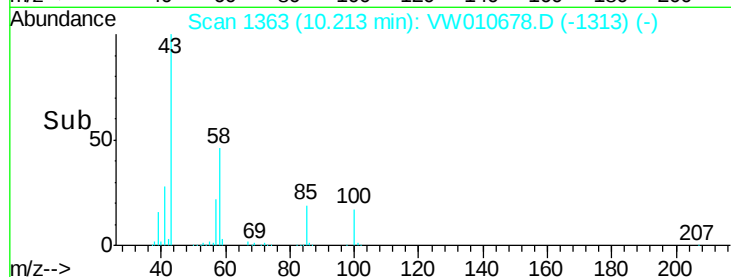
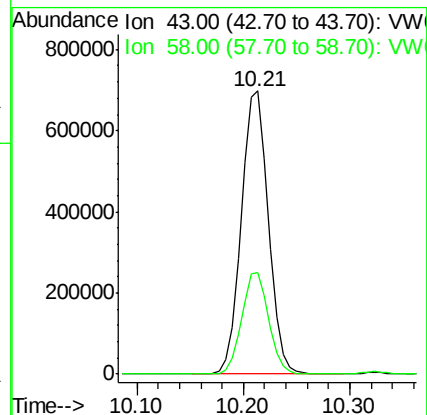
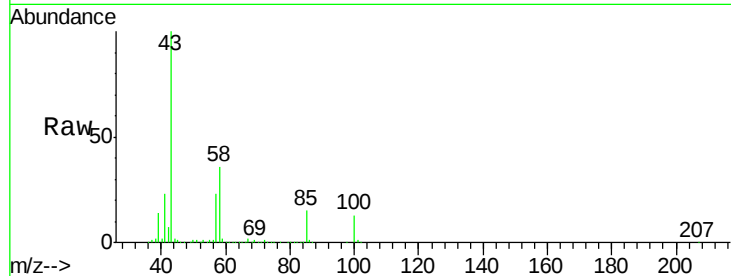
43 100

58 35.7 28.4 42.6

Manual Integrations
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#52

Toluene

Concen: 98.046 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010678.D

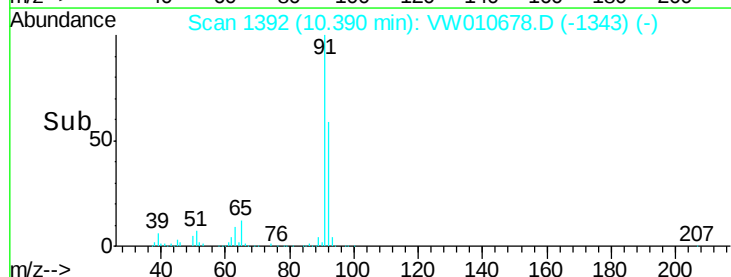
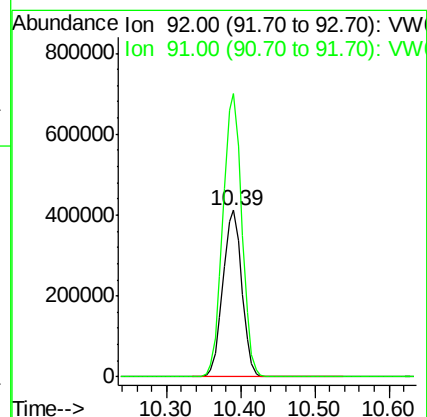
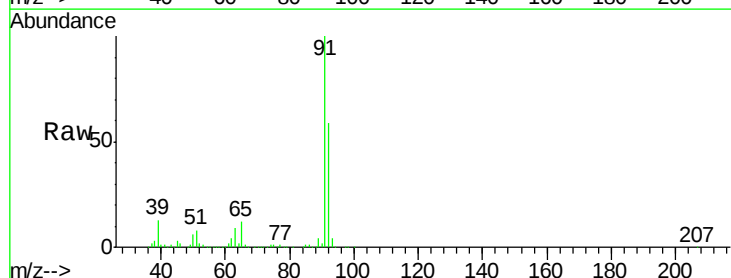
Acq: 04 Jun 2019 16:08

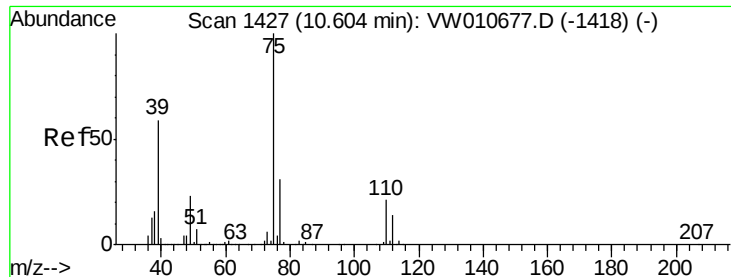
Tgt Ion: 92 Resp: 725004

Ion Ratio Lower Upper

92 100

91 170.1 134.9 202.3





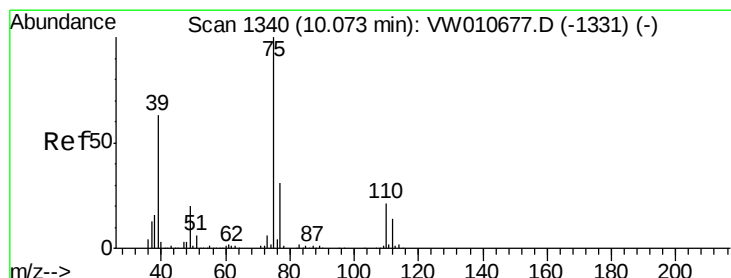
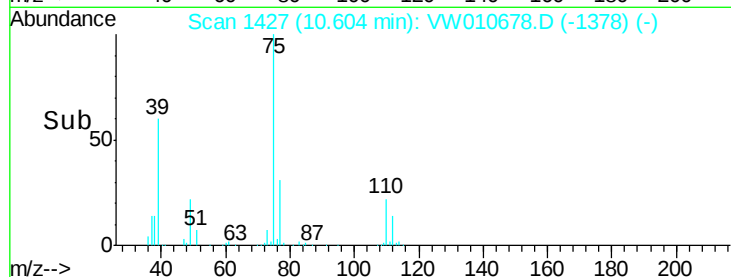
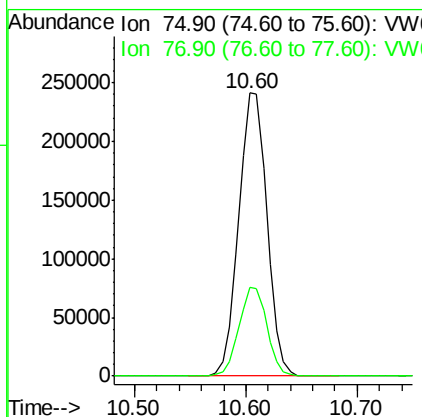
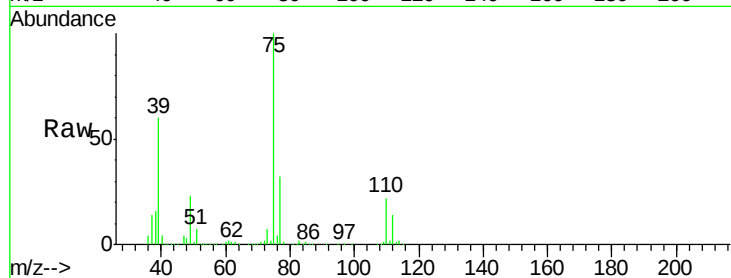
#53
 t-1,3-Dichloropropene
 Concen: 104.452 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8

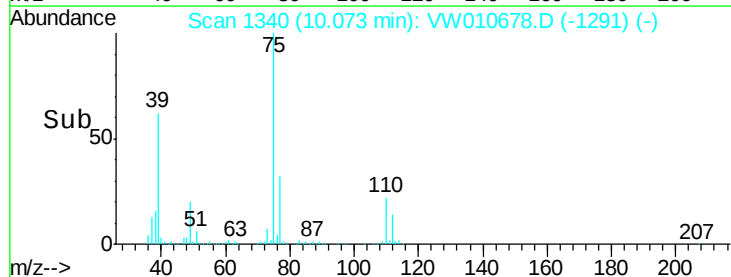
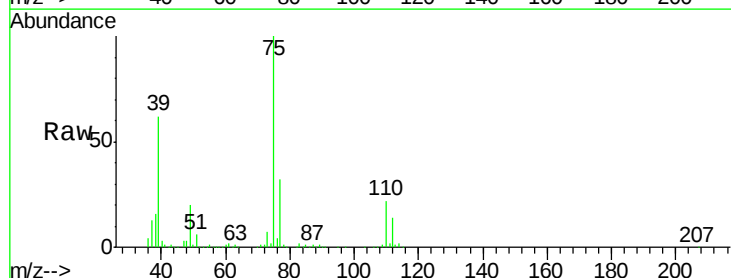
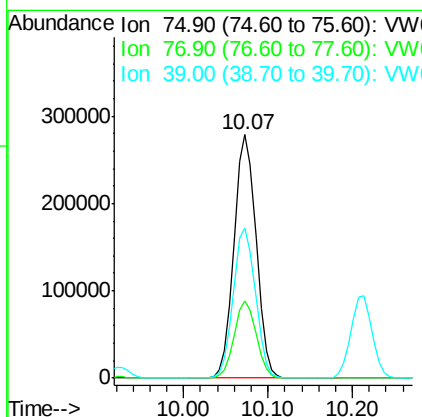
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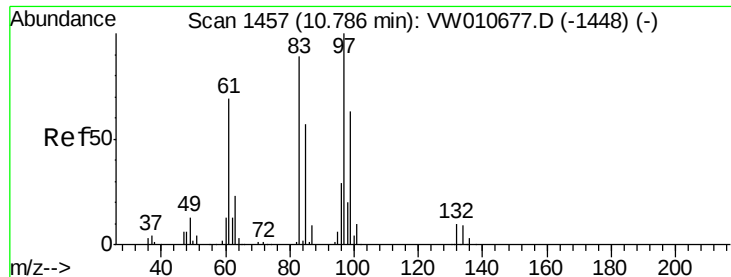
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#54
 cis-1,3-Dichloropropene
 Concen: 103.161 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8
39	61.6	50.1	75.1





#55

1,1,2-Trichloroethane

Concen: 99.406 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

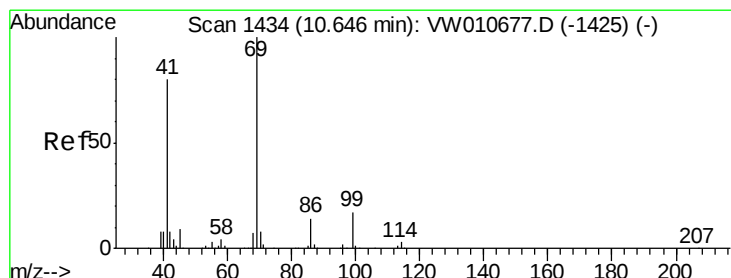
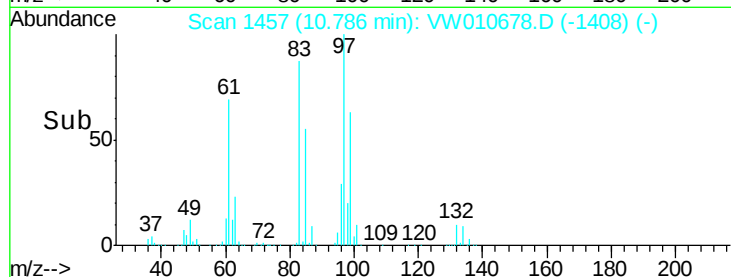
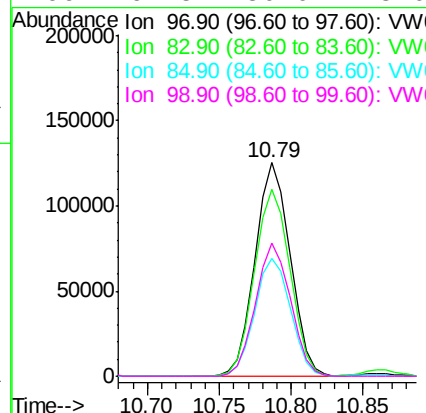
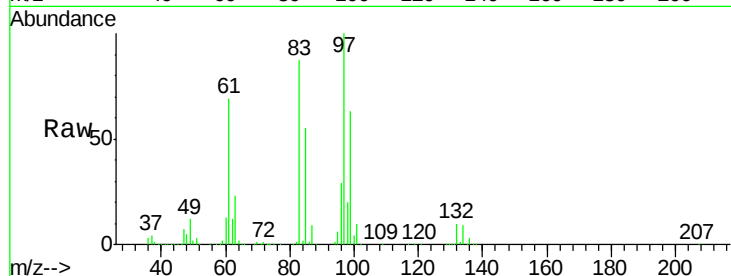
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	211608
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.1	106.7
85	55.3	45.2	67.8
99	62.5	50.0	75.0

Manual Integrations
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6/5/2019 3:05:07 PM



#56

Ethyl methacrylate

Concen: 104.327 ug/l

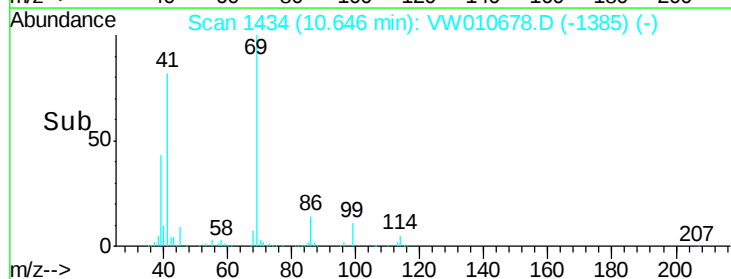
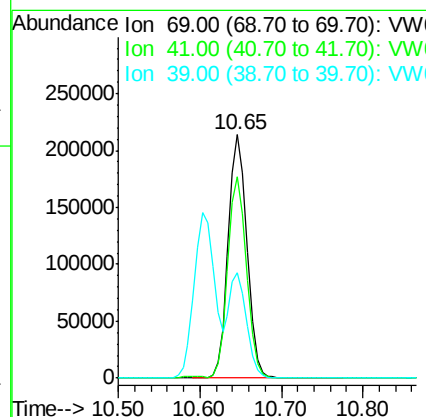
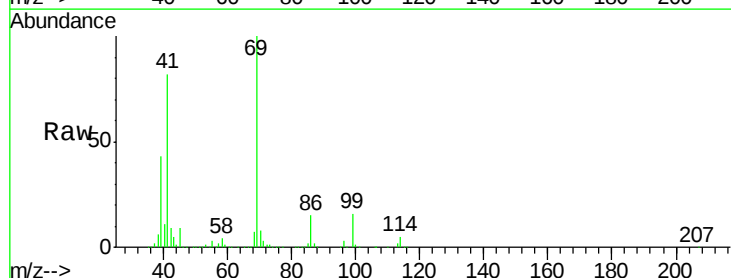
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	69	Resp:	341728
Ion	Ratio	Lower	Upper
69	100		
41	81.8	64.8	97.2
39	41.0	32.2	48.2





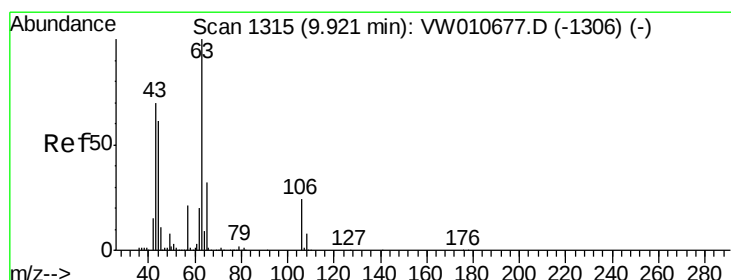
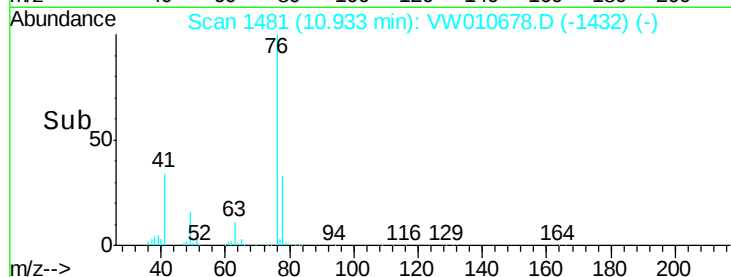
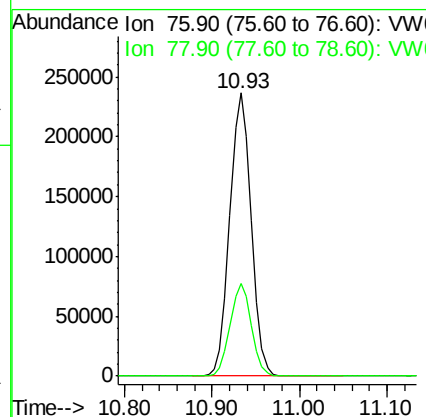
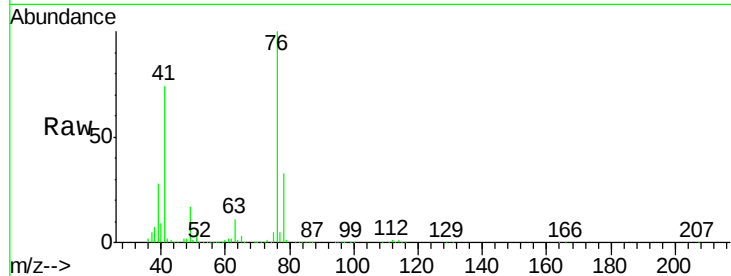
#57
 1,3-Dichloropropane
 Concen: 100.022 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 401256
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

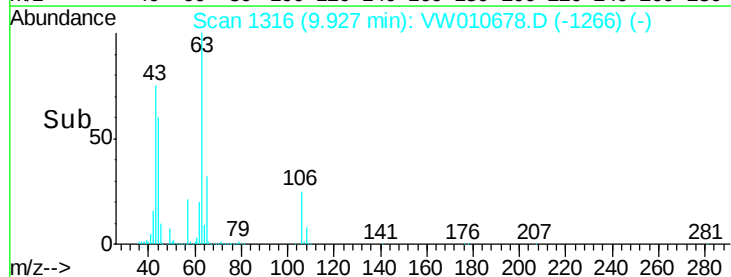
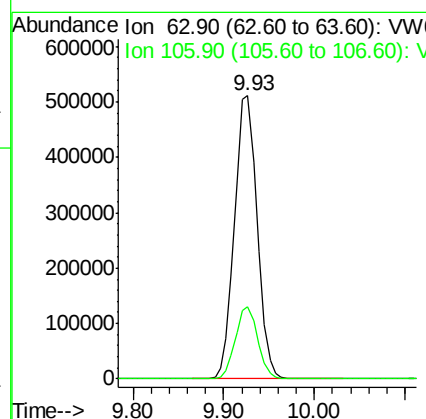
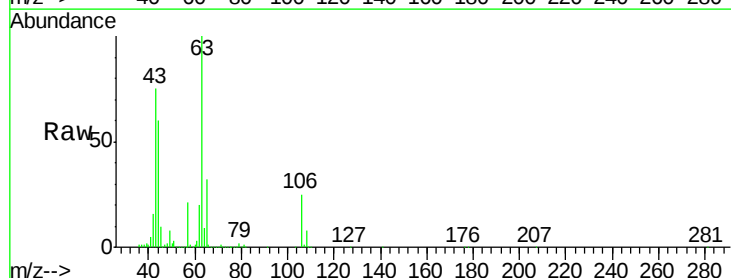
Manual Integrations
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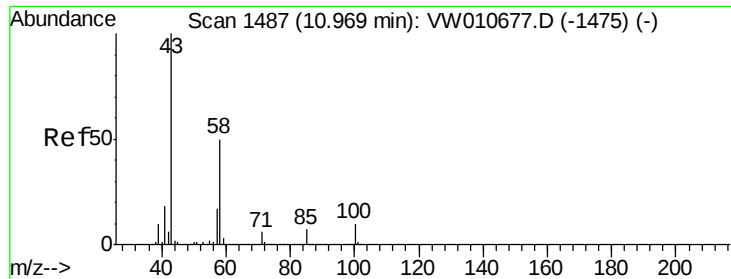
MMDadoda
 6/5/2019 3:05:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 517.639 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion: 63 Resp: 888092
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.1 30.1





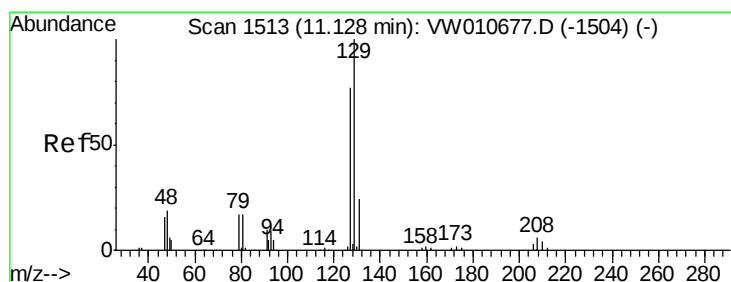
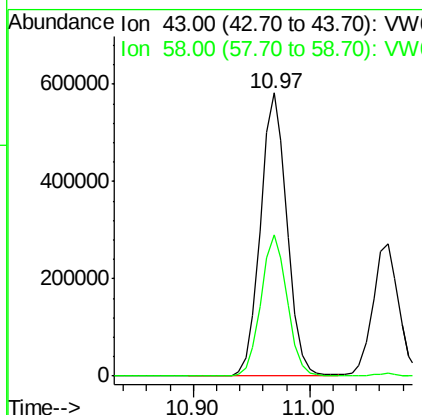
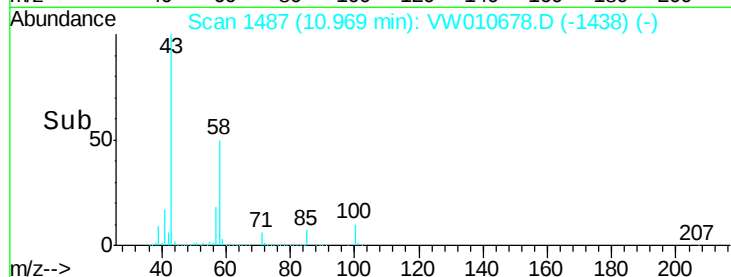
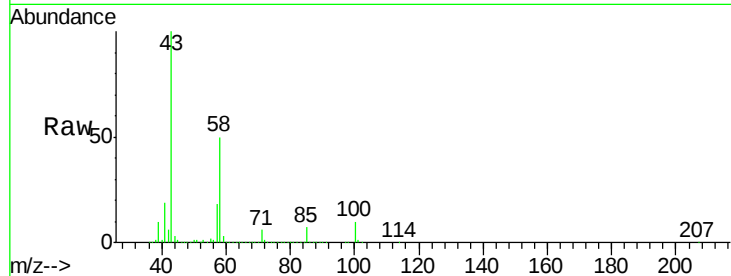
#59
2-Hexanone
Concen: 530.473 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 923731
Ion Ratio Lower Upper
43 100
58 49.6 24.9 74.6

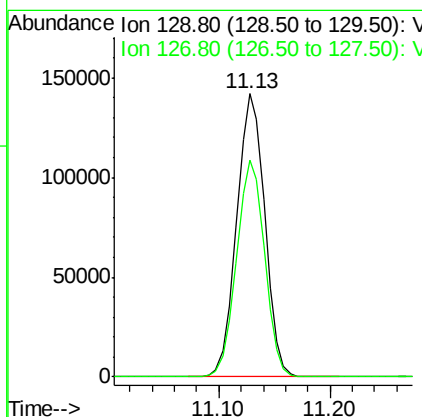
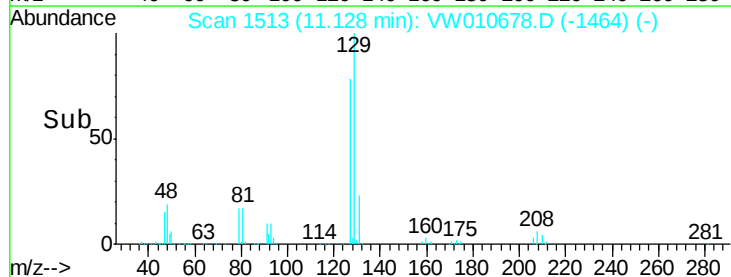
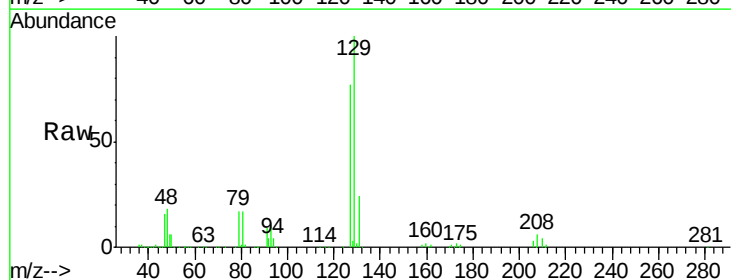
Manual Integrations
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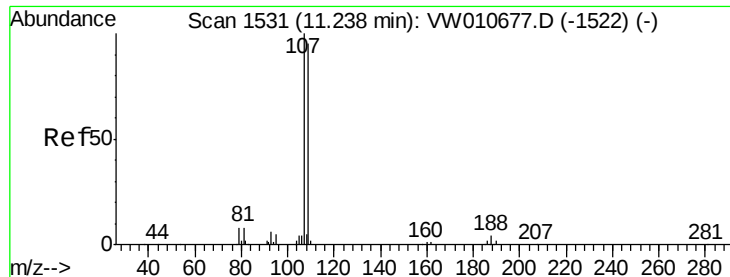
MMDadoda
6/5/2019 3:05:07 PM



#60
Dibromochloromethane
Concen: 104.812 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 129 Resp: 247331
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





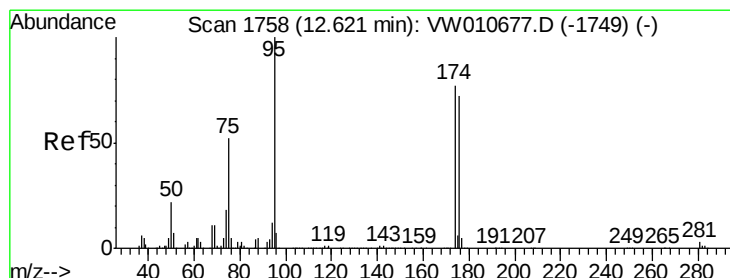
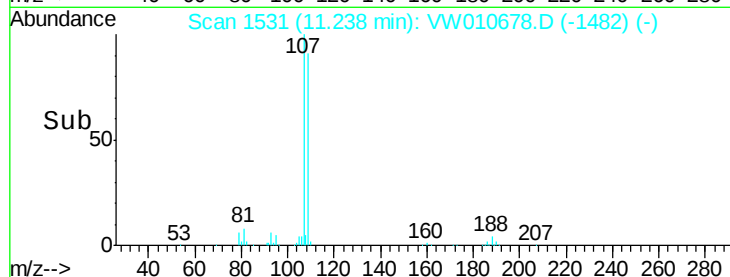
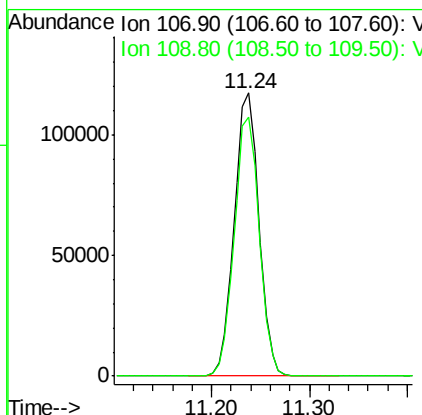
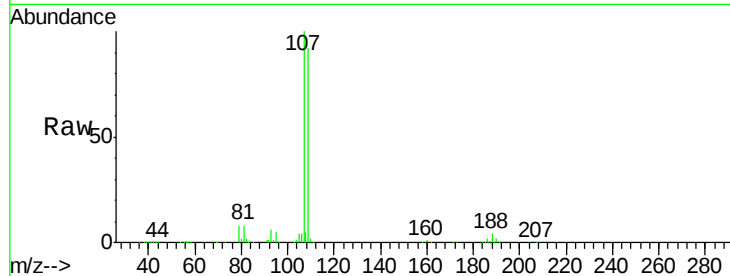
#61
 1,2-Dibromoethane
 Concen: 102.162 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.8	113.8

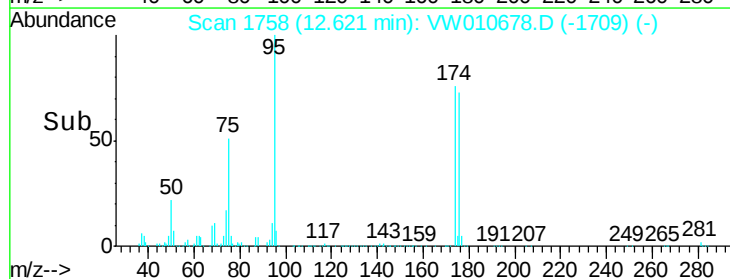
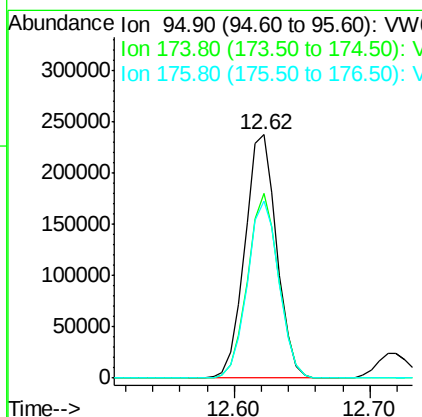
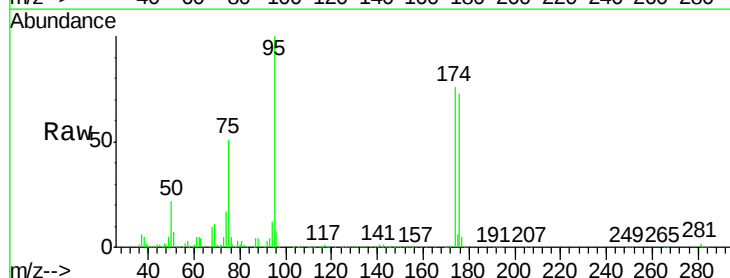
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 104.000 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	150.4
176	72.6	0.0	144.8





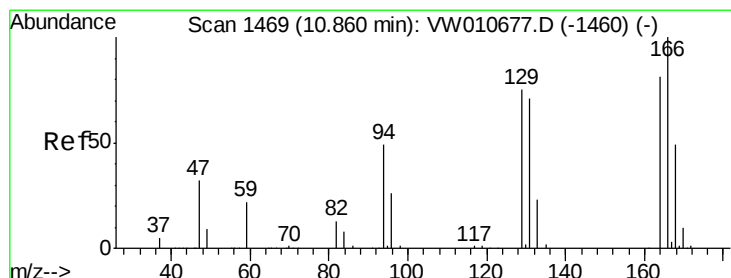
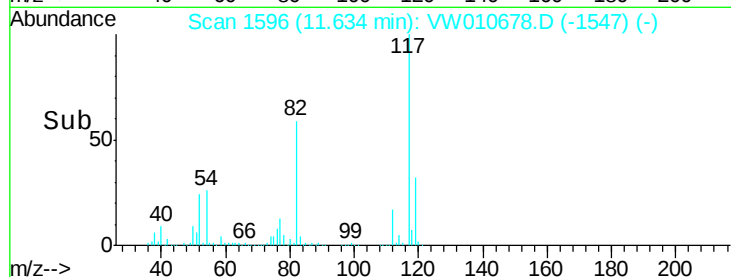
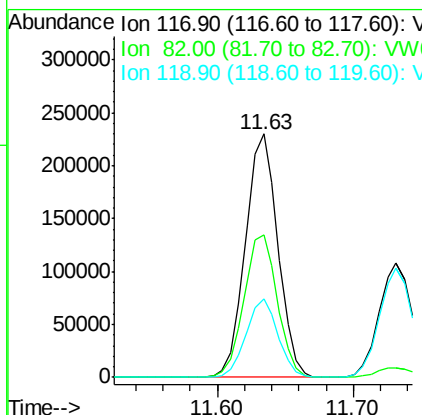
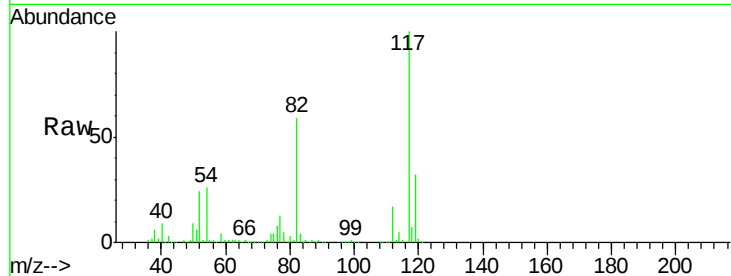
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.0	70.4
119	32.4	25.1	37.7

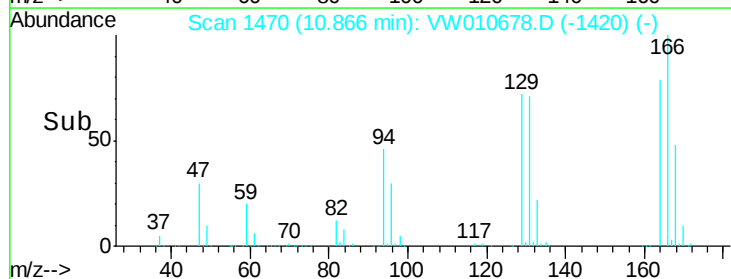
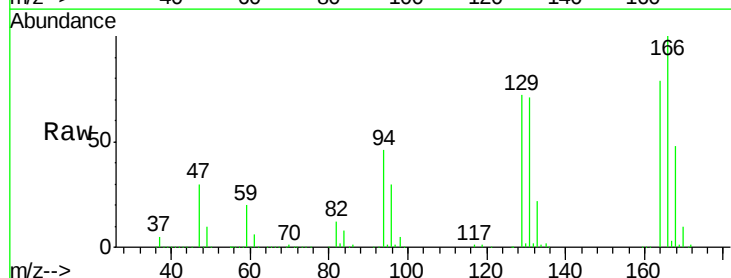
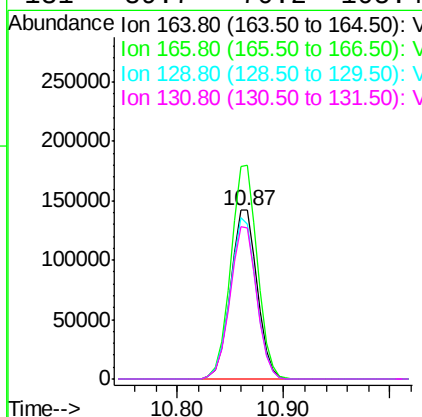
Manual Integrations
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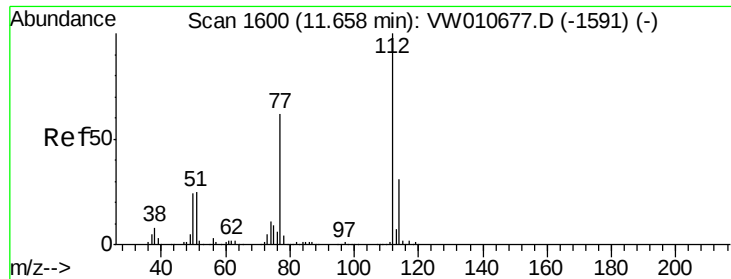
MMDadoda
6/5/2019 3:05:07 PM



#64
Tetrachloroethene
Concen: 97.499 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	99.2	148.8
129	91.8	74.6	112.0
131	89.7	70.2	105.4





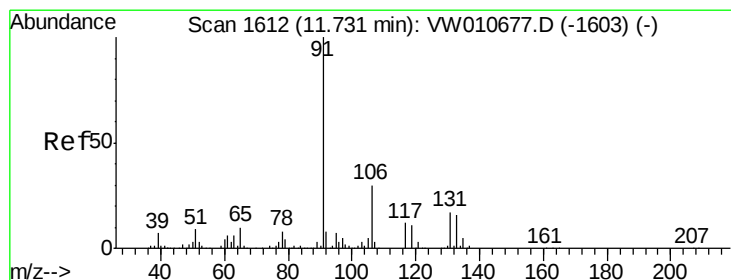
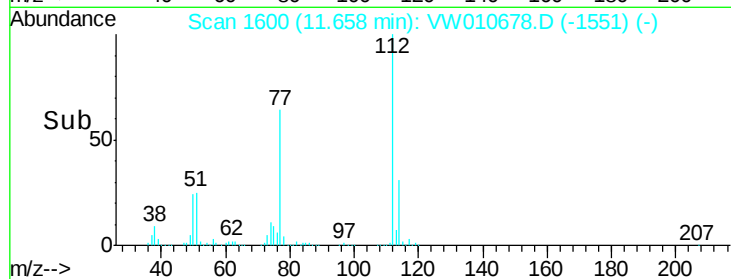
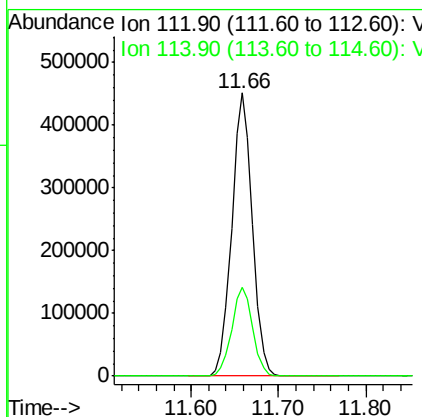
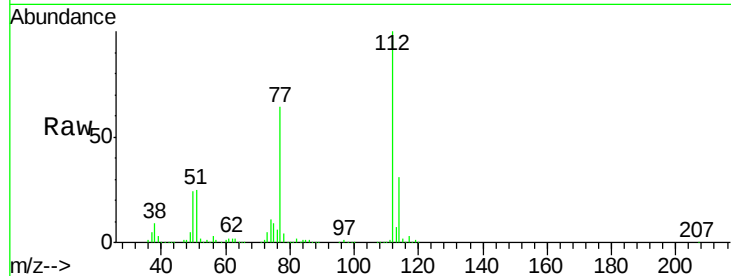
#65
Chlorobenzene
Concen: 97.479 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.8	37.2

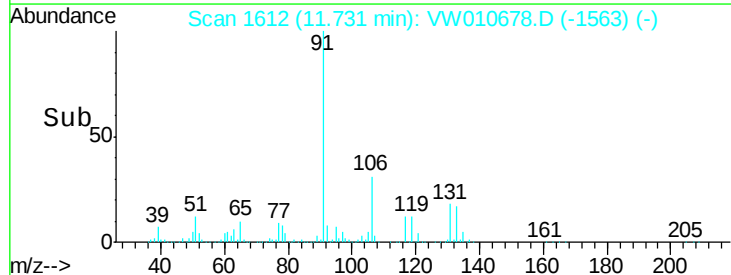
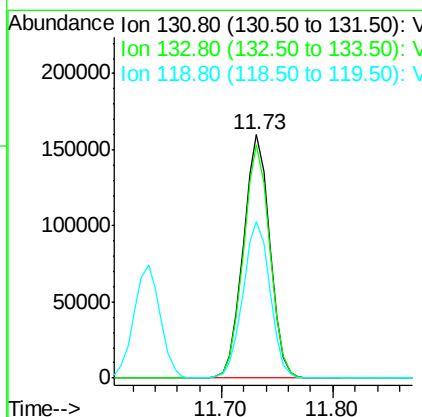
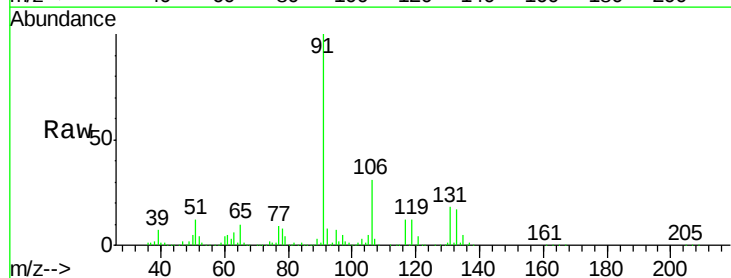
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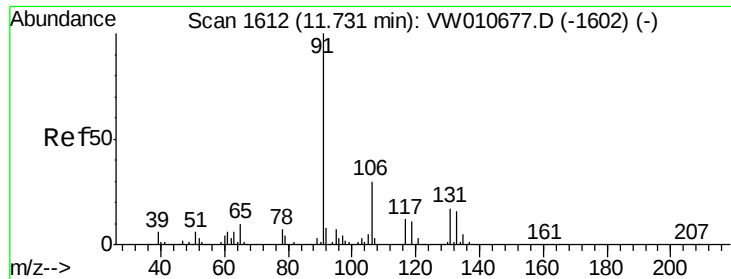
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.761 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.9
119	65.6	32.4	97.0





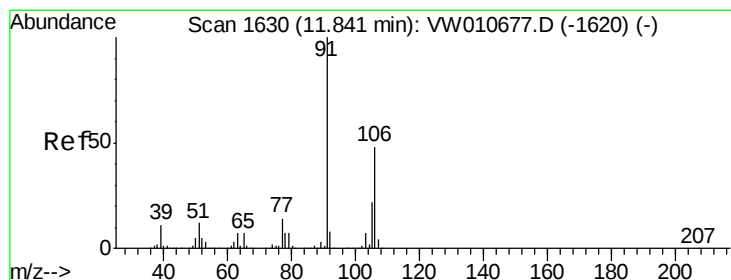
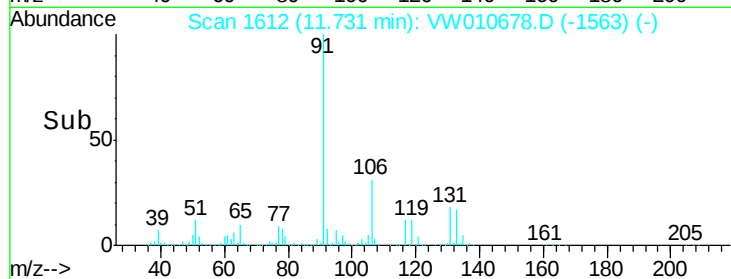
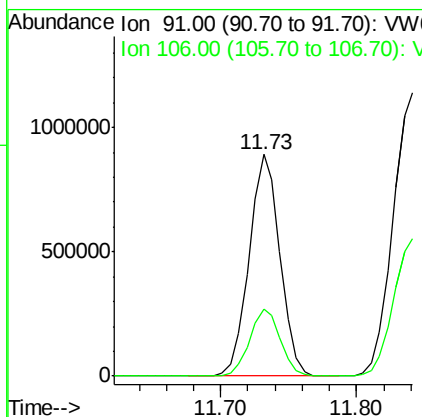
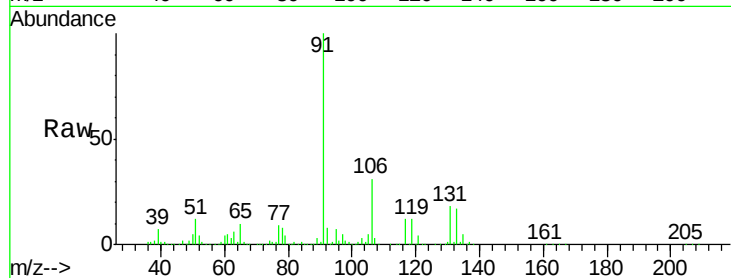
#67
Ethyl Benzene
Concen: 97.115 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1412893
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4

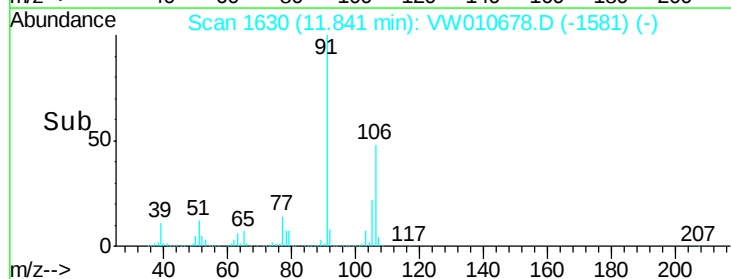
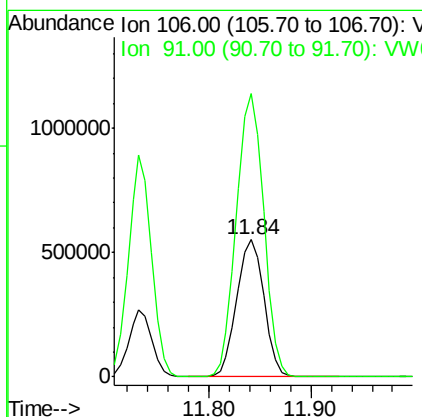
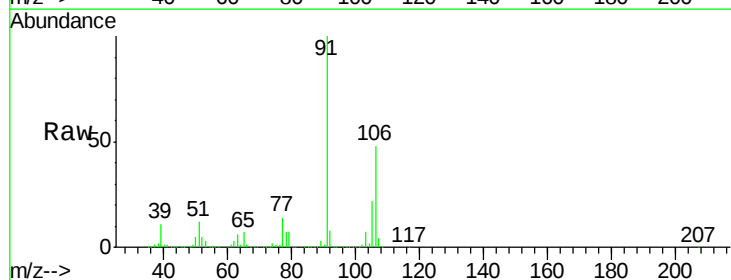
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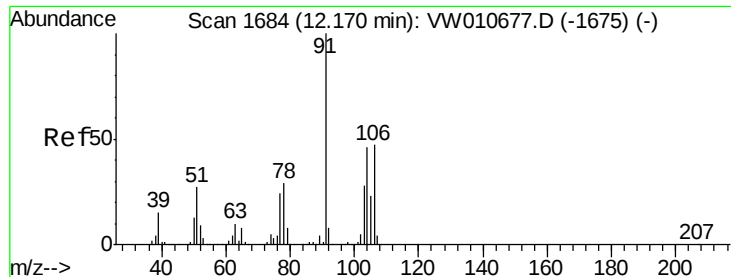
MMDadoda
6/5/2019 3:05:07 PM



#68
m/p-Xylenes
Concen: 196.326 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 106 Resp: 1022477
Ion Ratio Lower Upper
106 100
91 207.2 166.5 249.7





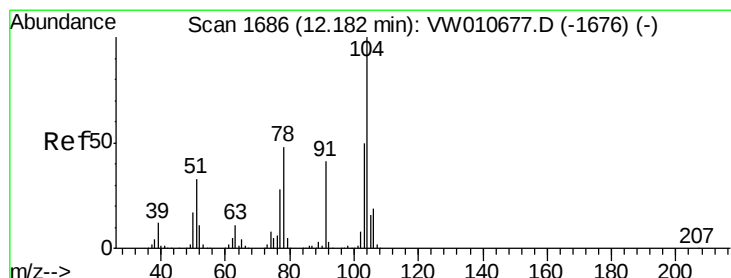
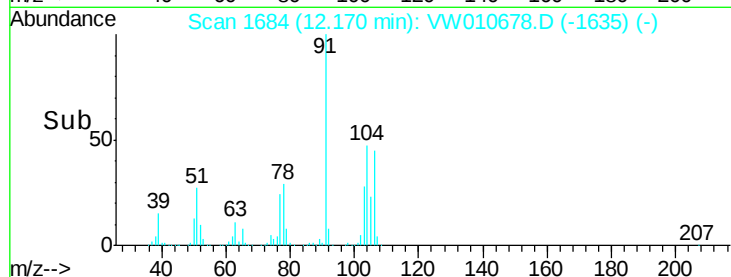
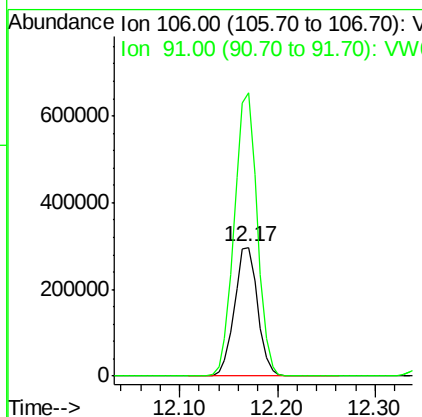
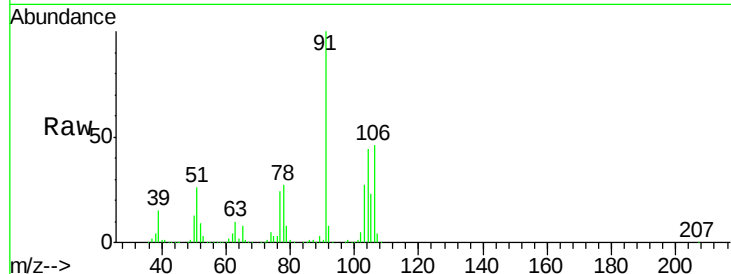
#69
o-Xylene
Concen: 98.672 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 487384
Ion Ratio Lower Upper
106 100
91 217.8 108.9 326.6

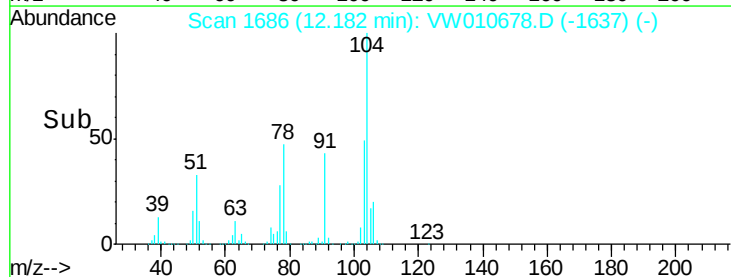
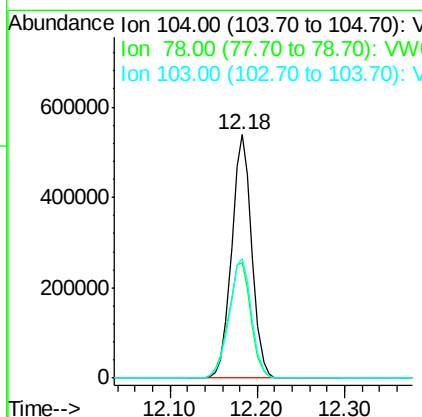
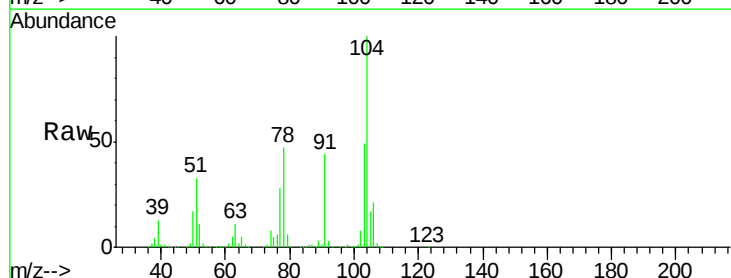
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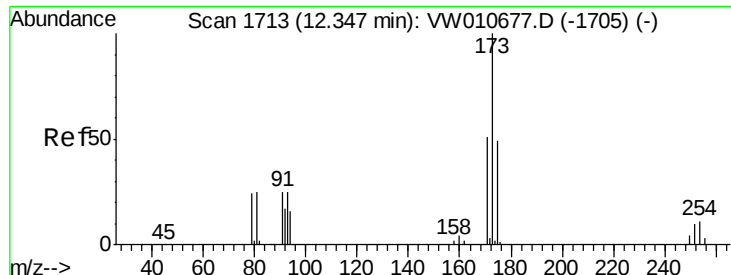
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#70
Styrene
Concen: 100.422 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion:104 Resp: 861670
Ion Ratio Lower Upper
104 100
78 52.8 42.7 64.1
103 54.0 43.6 65.4





#71

Bromoform

Concen: 107.250 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 145355

Ion Ratio Lower Upper

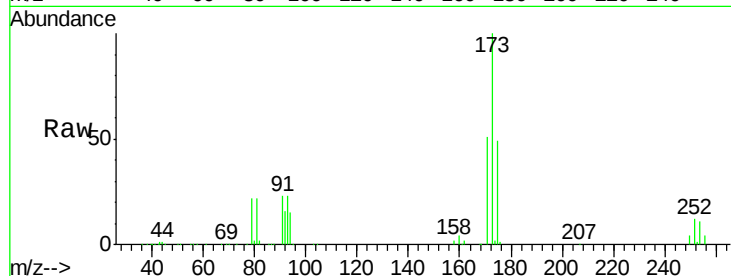
173 100

175 48.8 24.3 72.8

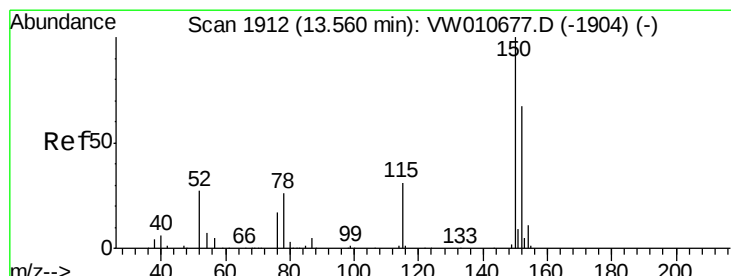
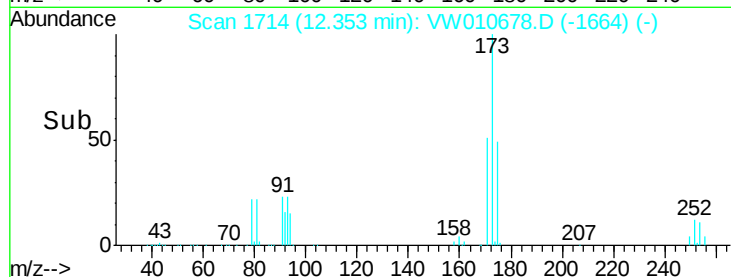
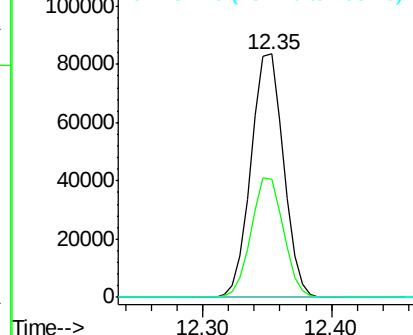
254 0.0 0.1 0.1#

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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: VW010678.D

Acq: 04 Jun 2019 16:08

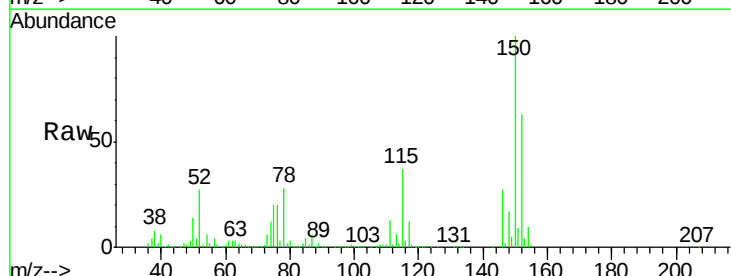
Tgt Ion:152 Resp: 187139

Ion Ratio Lower Upper

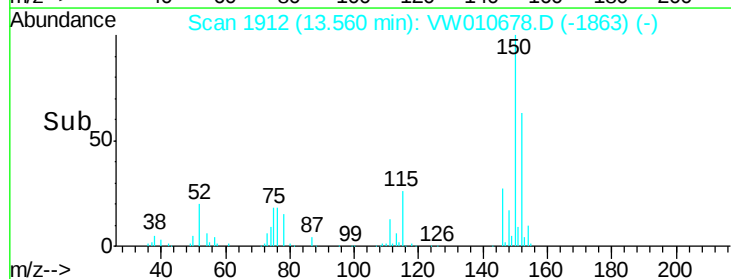
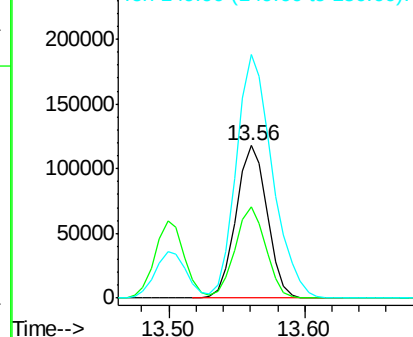
152 100

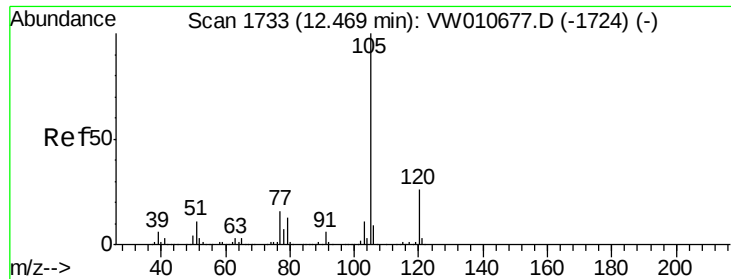
115 59.0 29.8 89.3

150 185.9 0.0 345.0



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





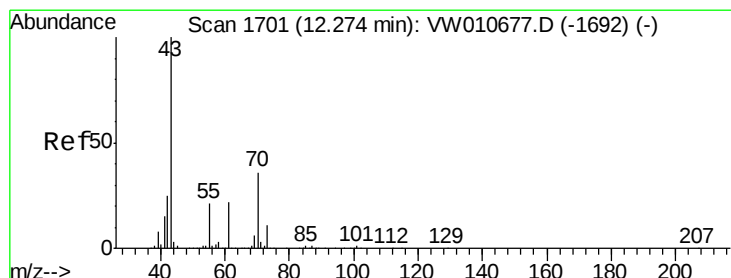
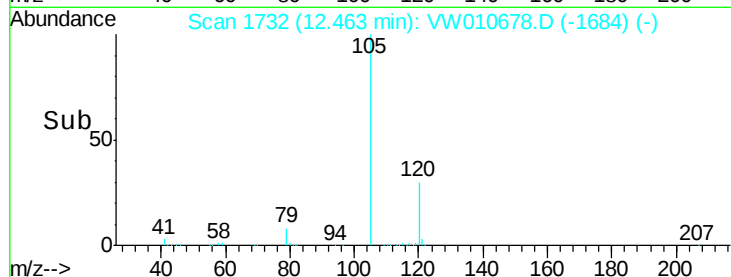
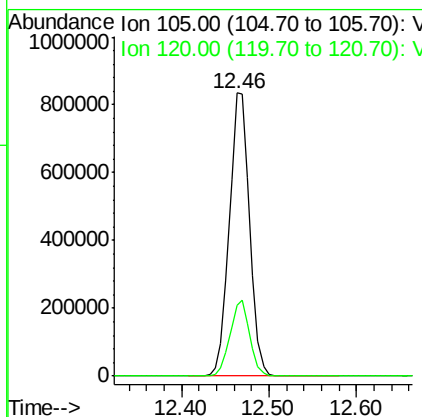
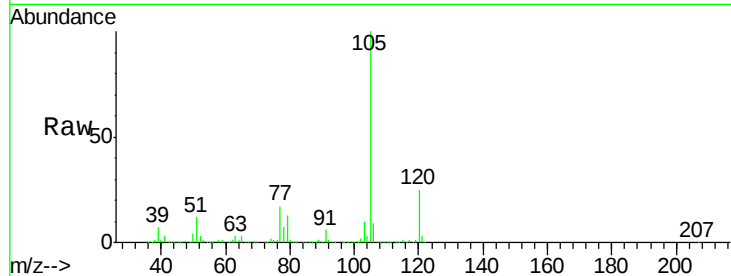
#73
Isopropylbenzene
Concen: 95.545 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1343623
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.1

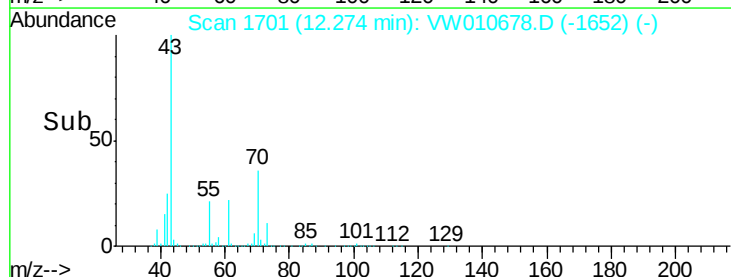
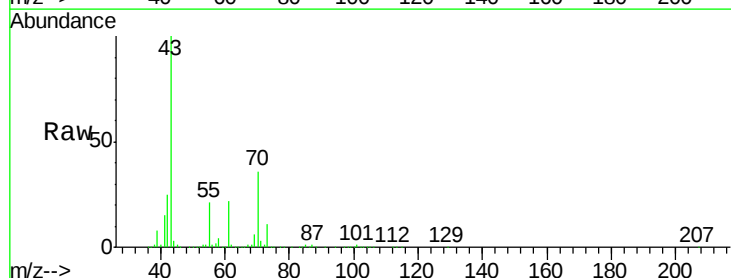
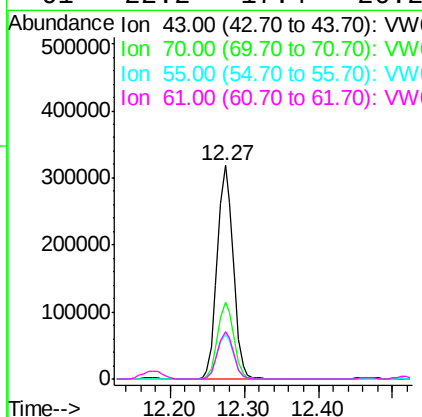
Manual Integrations
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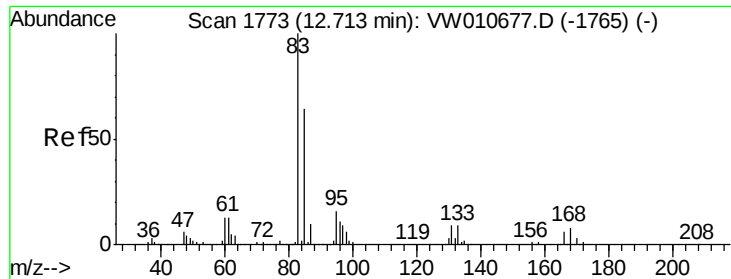
MMDadoda
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#74
N-ethyl acetate
Concen: 103.361 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 43 Resp: 469765
Ion Ratio Lower Upper
43 100
70 36.6 29.2 43.8
55 21.7 17.5 26.3
61 22.2 17.4 26.2





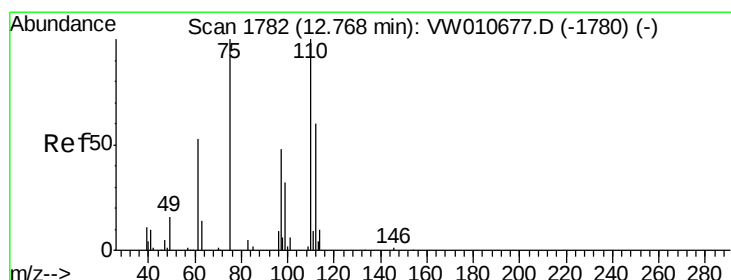
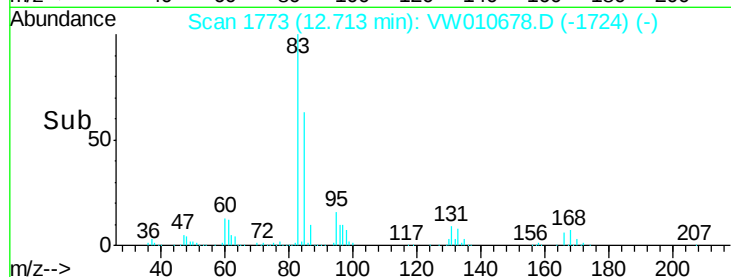
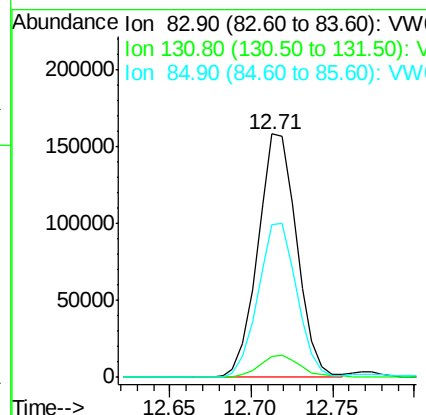
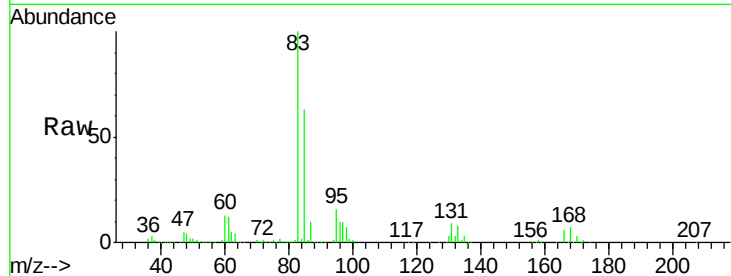
#75
1,1,2,2-Tetrachloroethane
Concen: 98.007 ug/l
RT: 12.71 min Scan# 1773
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	262384		
131	9.7	4.9	14.7	
85	63.3	31.9	95.9	

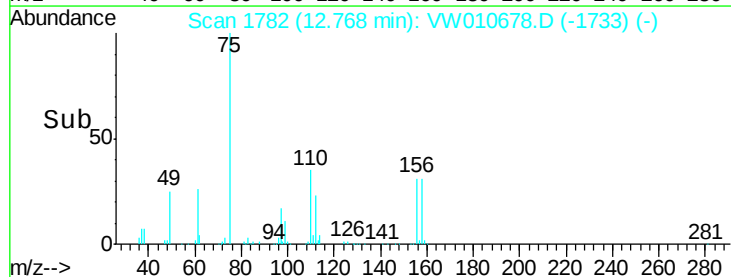
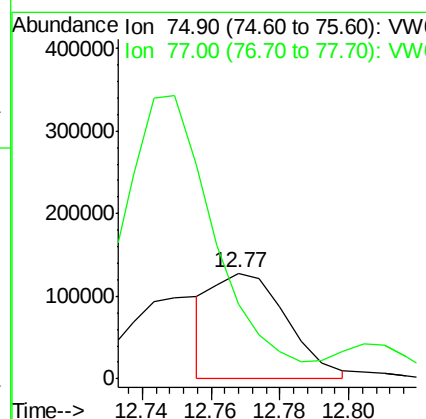
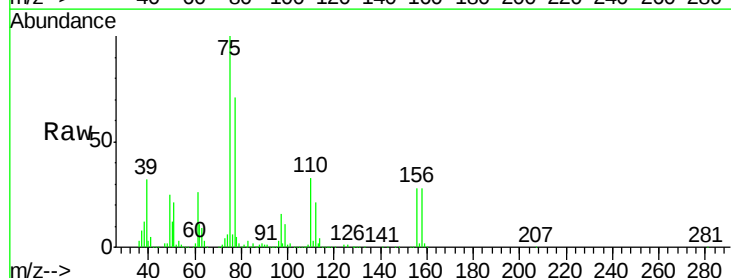
Manual Integrations
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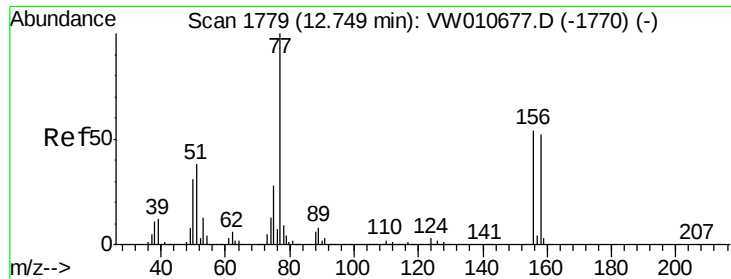
MMDadoda
6/5/2019 3:05:07 PM



#76
1,2,3-Trichloropropane
Concen: 71.683 ug/l m
RT: 12.77 min Scan# 1782
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192178		
77	332.1	0.0	0.0#	





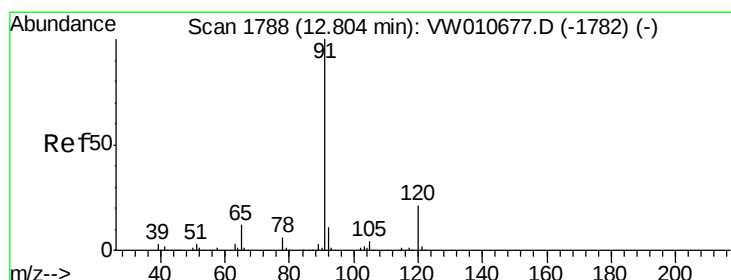
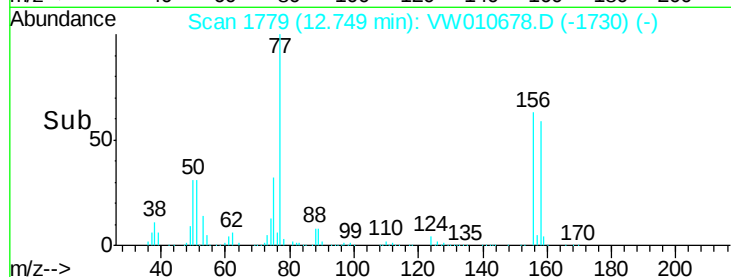
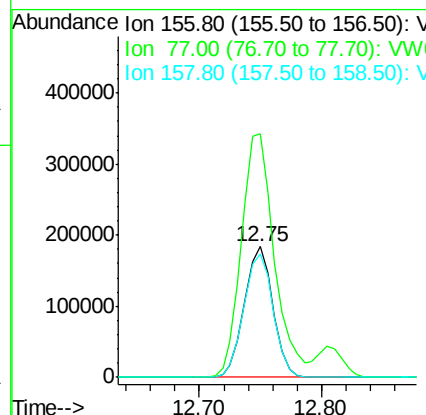
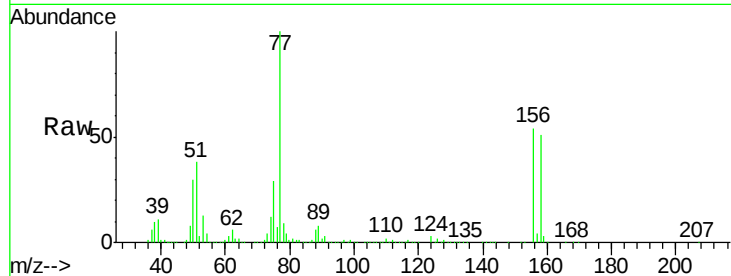
#77
Bromobenzene
Concen: 96.750 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.9	106.5	319.4
158	97.6	48.3	144.9

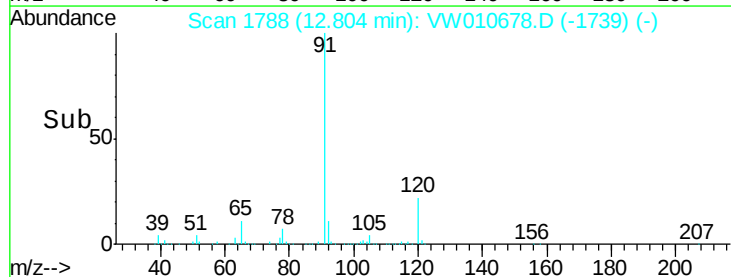
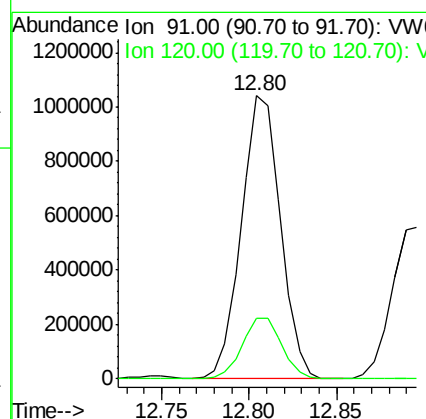
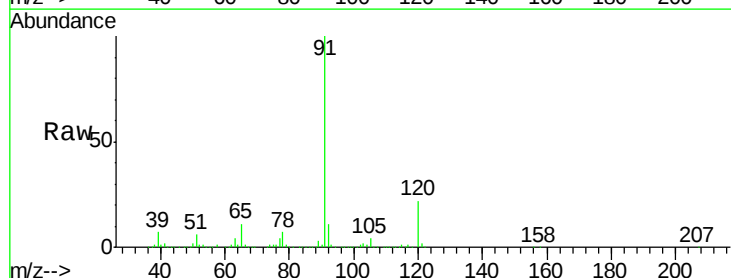
Manual Integrations
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#78
n-propylbenzene
Concen: 95.395 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4





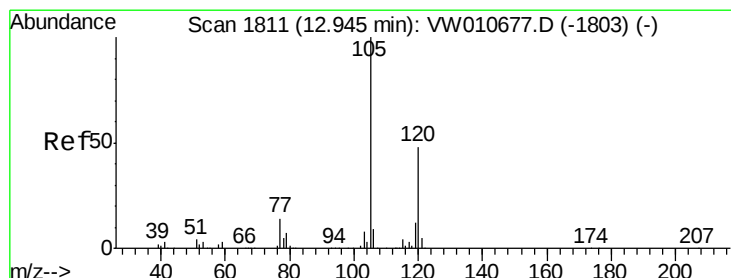
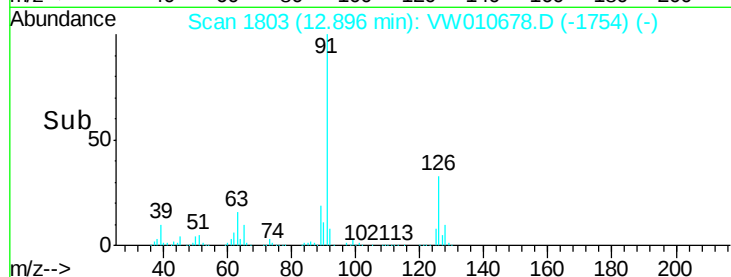
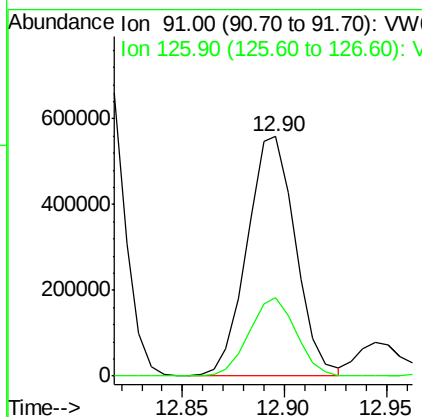
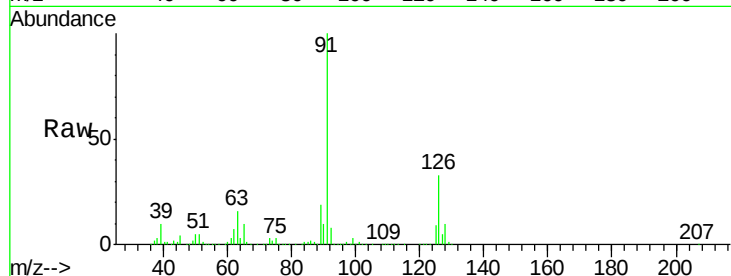
#79
2-Chlorotoluene
Concen: 95.245 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 922711
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.0

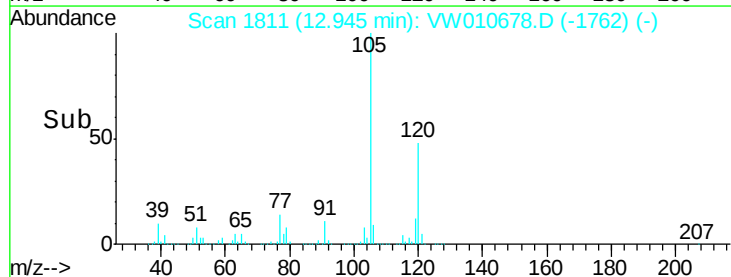
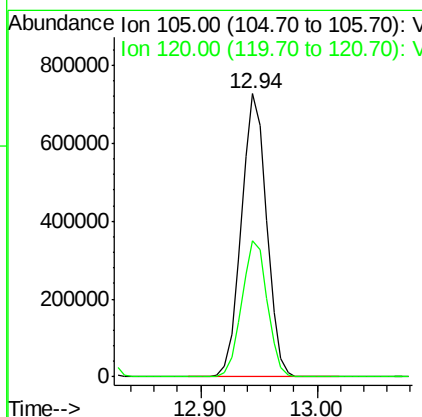
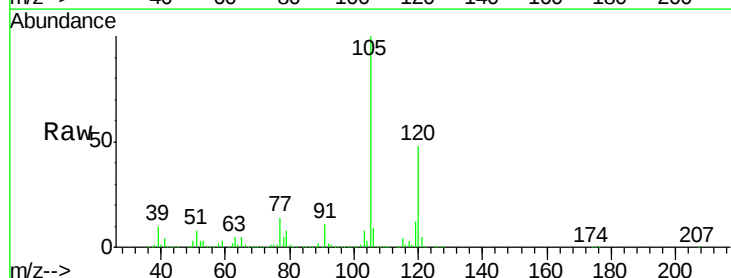
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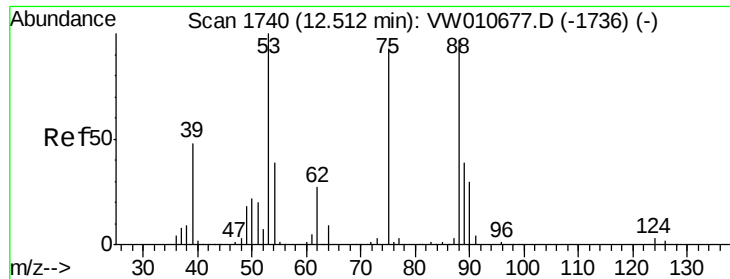
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#80
1,3,5-Trimethylbenzene
Concen: 95.625 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 105 Resp: 1100703
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 106.442 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

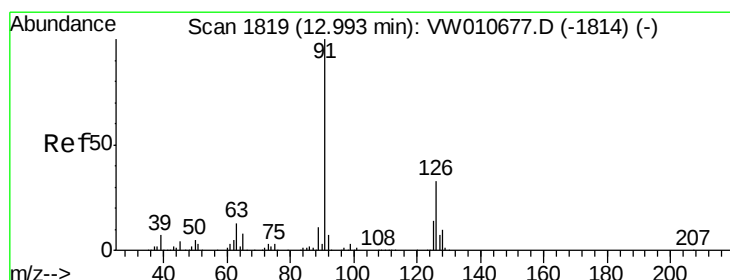
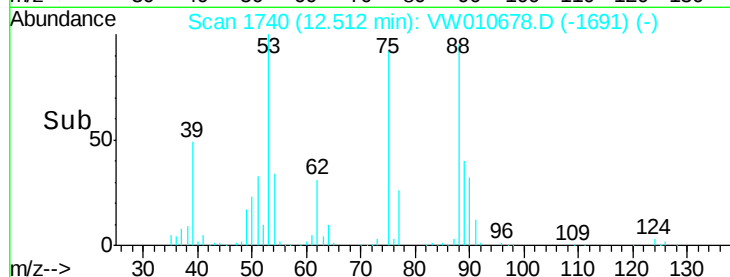
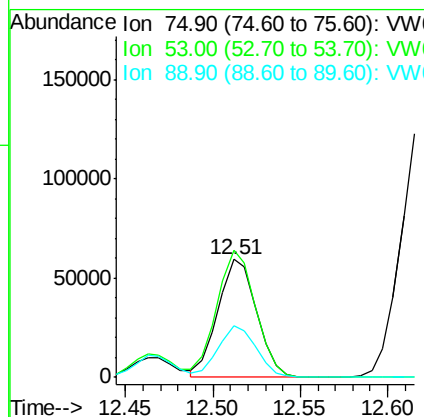
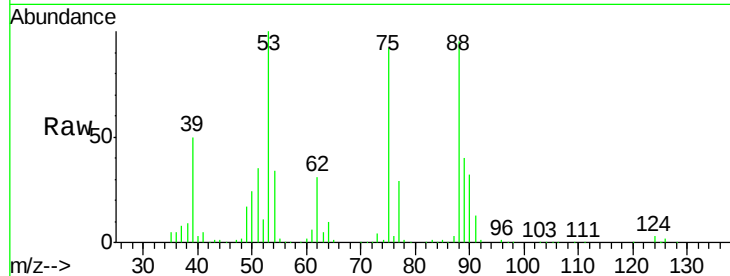
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	91015
Ion	Ratio	Lower	Upper
75	100		
53	110.2	90.1	135.1
89	43.8	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 95.850 ug/l

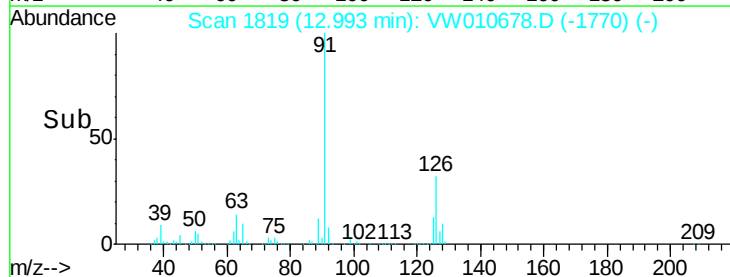
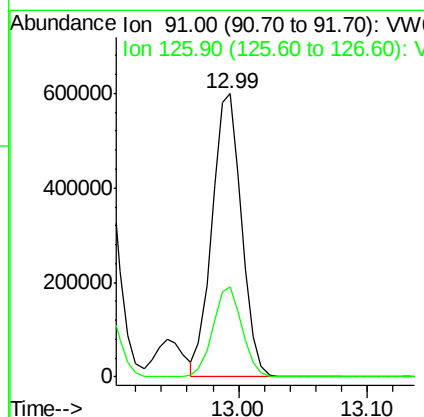
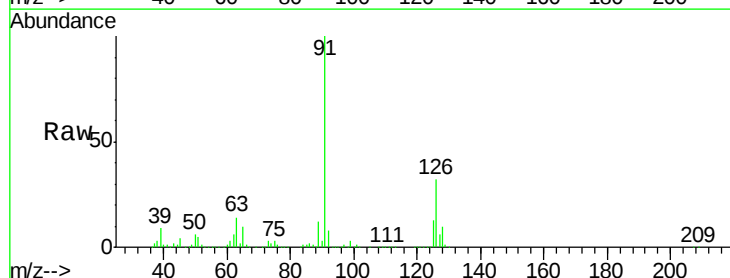
RT: 12.99 min Scan# 1819

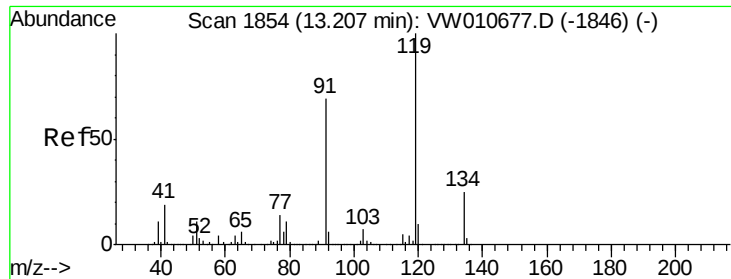
Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion:	91	Resp:	958246
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.7





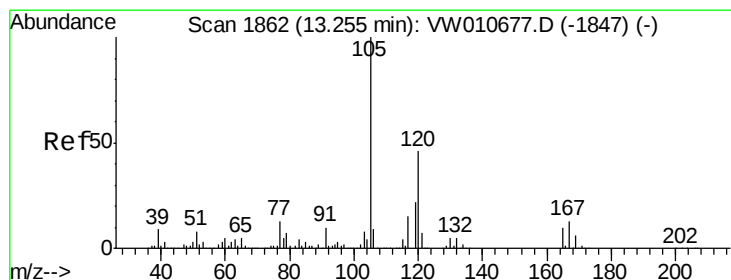
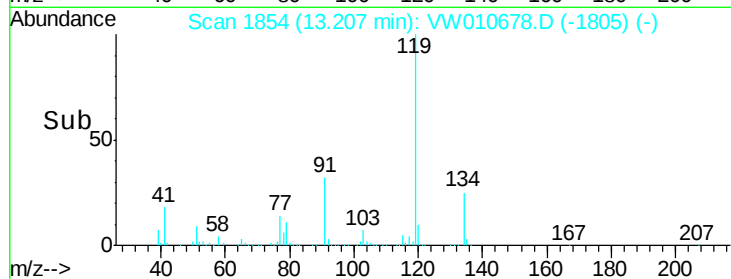
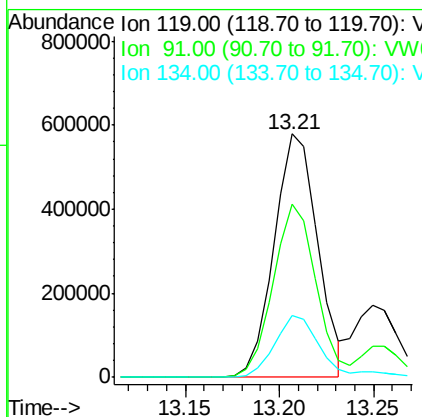
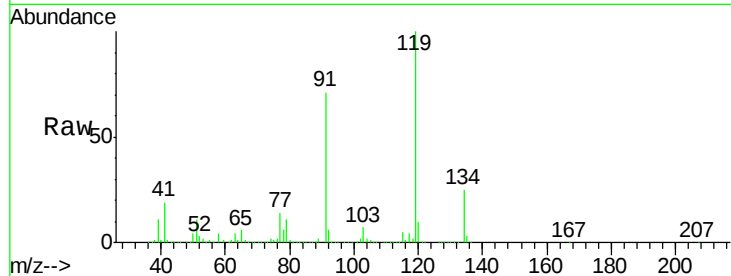
#83
 tert-Butylbenzene
 Concen: 94.814 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.3
134	27.2	13.6	40.7

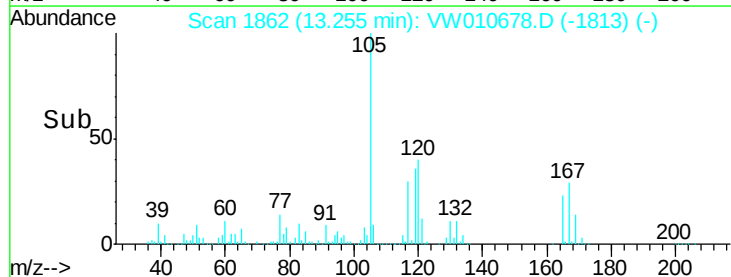
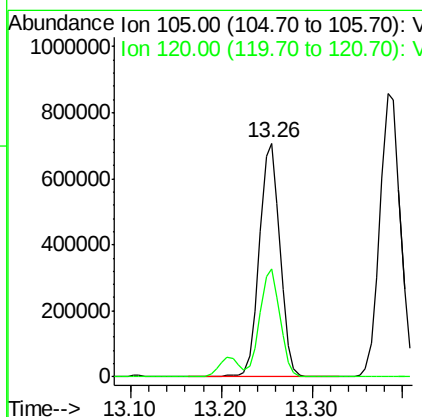
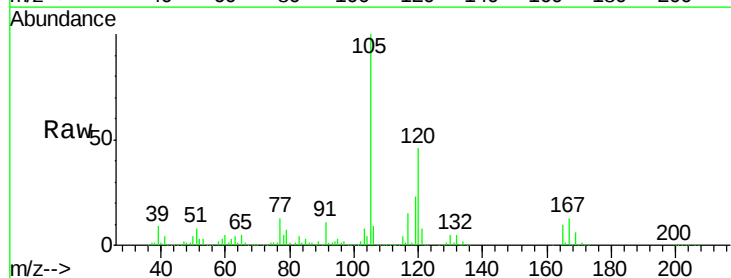
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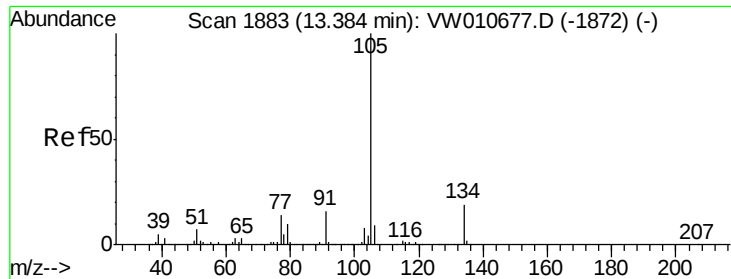
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#84
 1,2,4-Trimethylbenzene
 Concen: 95.541 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.5	67.5





#85

sec-Butylbenzene

Concen: 94.527 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1344469

Ion Ratio Lower Upper

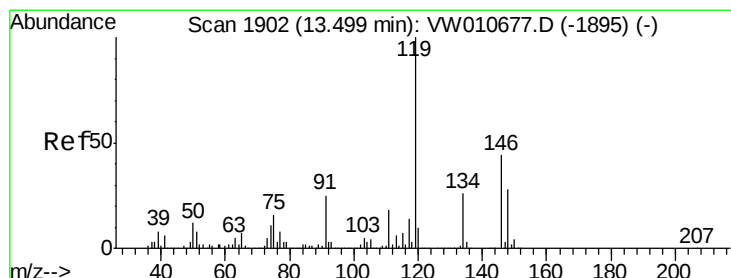
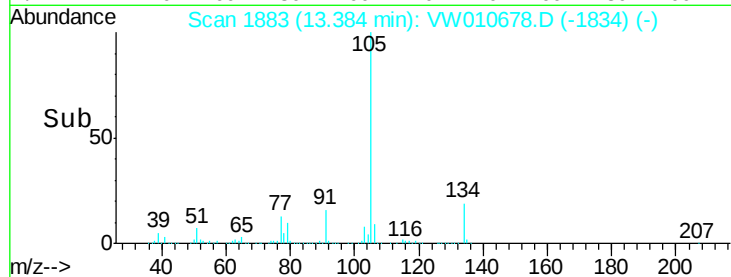
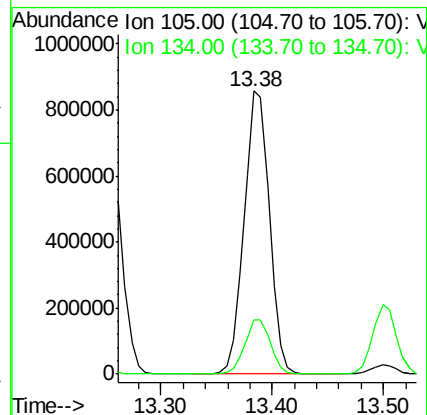
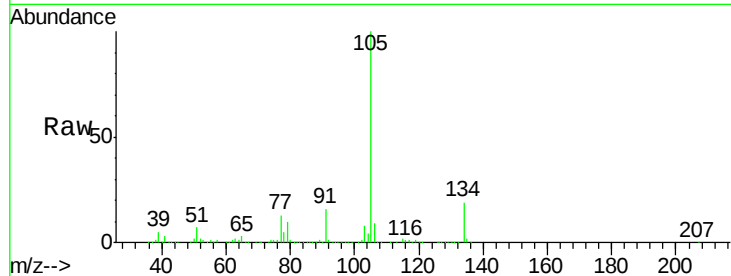
105 100

134 19.6 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 96.137 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

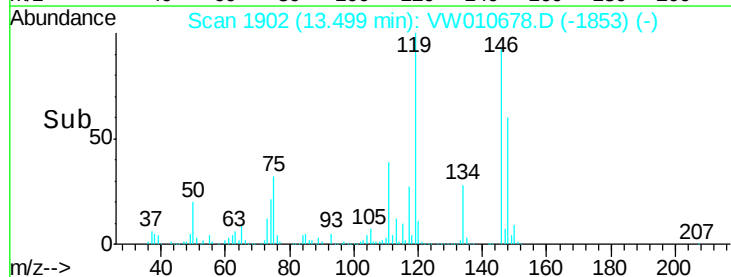
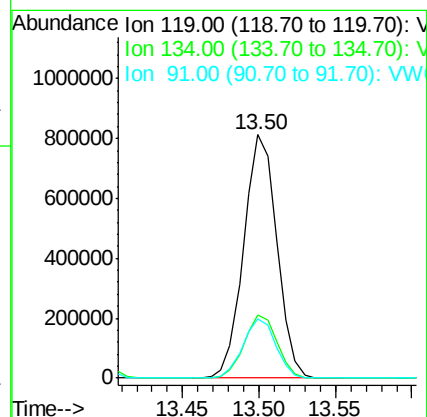
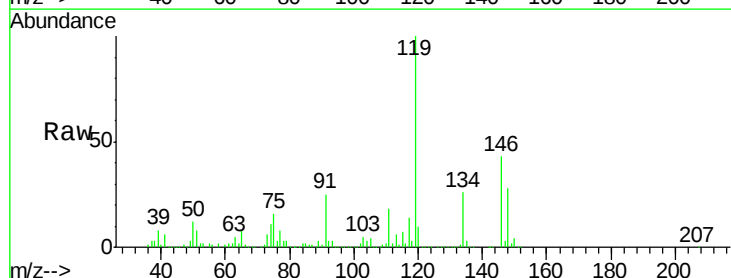
Tgt Ion:119 Resp: 1222769

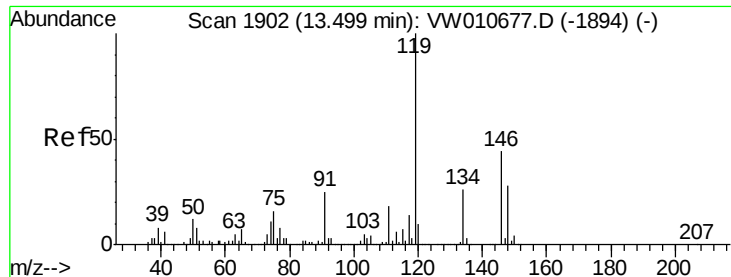
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 96.400 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Instrument :

MSVOA_W

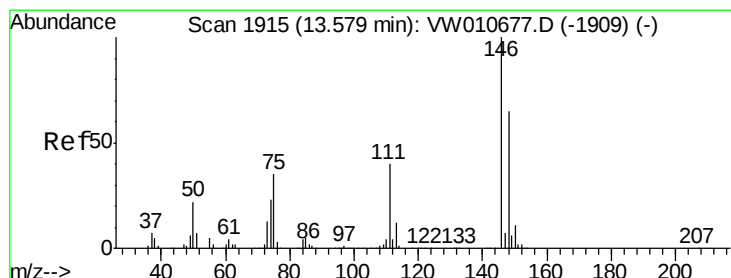
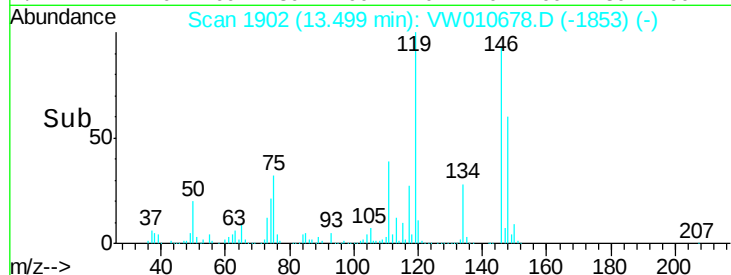
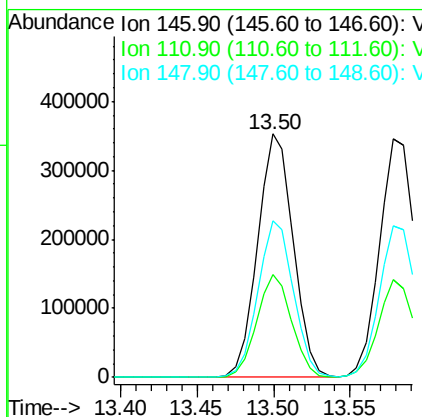
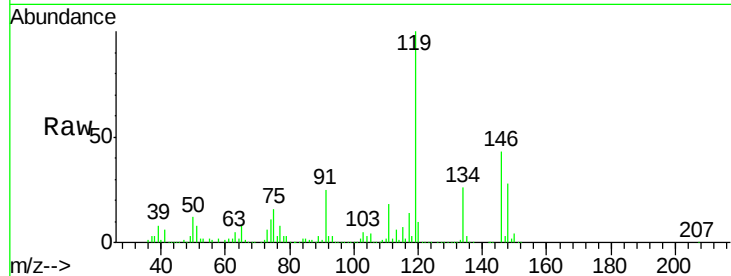
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	64.2	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 95.517 ug/l

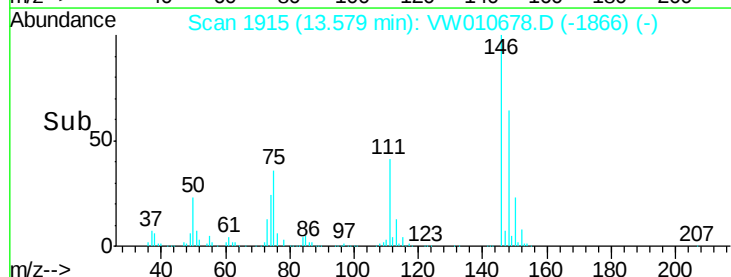
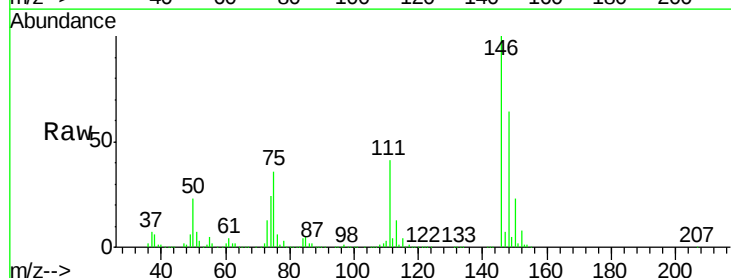
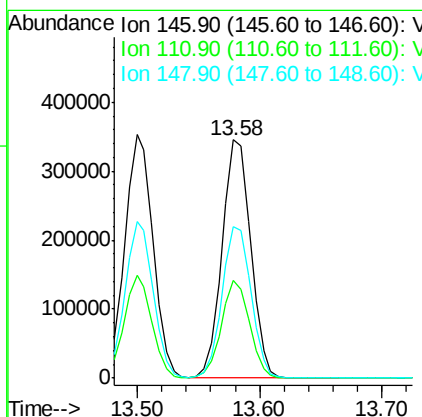
RT: 13.58 min Scan# 1915

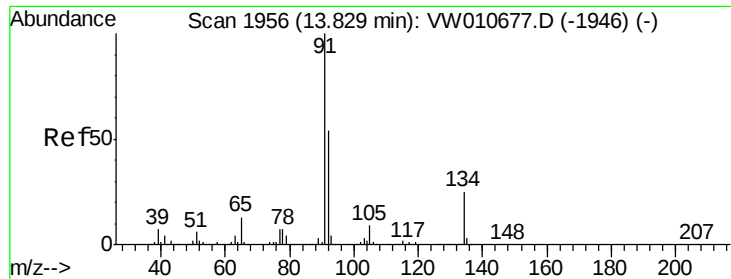
Delta R.T. -0.00 min

Lab File: VW010678.D

Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	64.4	32.4	97.2





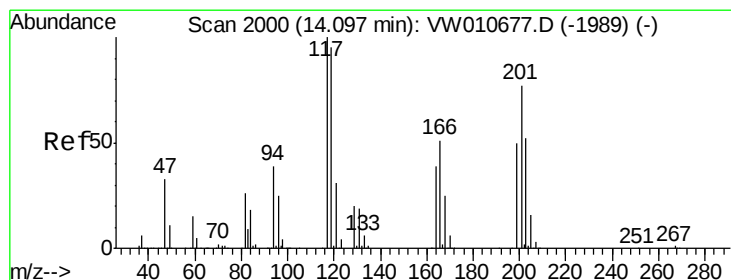
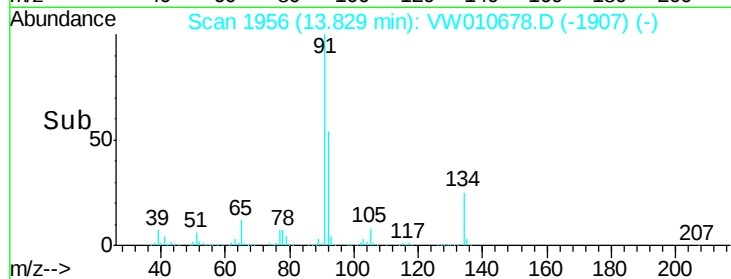
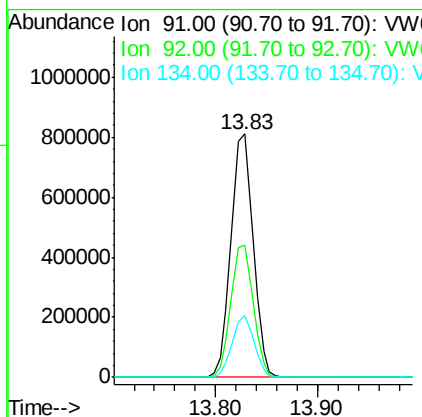
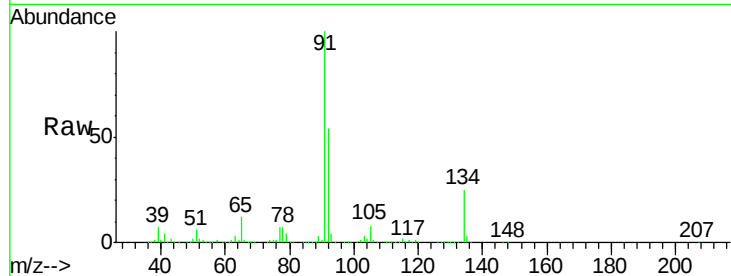
#89
n-Butylbenzene
Concen: 95.873 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1216668
Ion Ratio Lower Upper
91 100
92 54.8 27.3 81.8
134 24.8 12.3 36.9

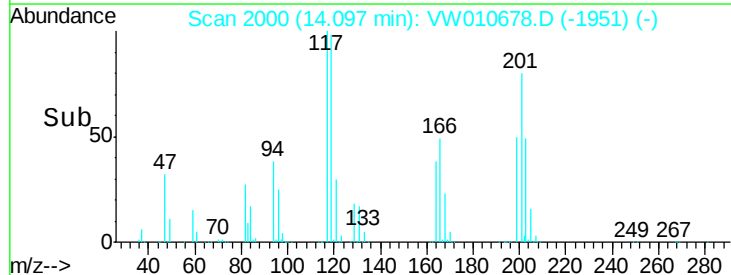
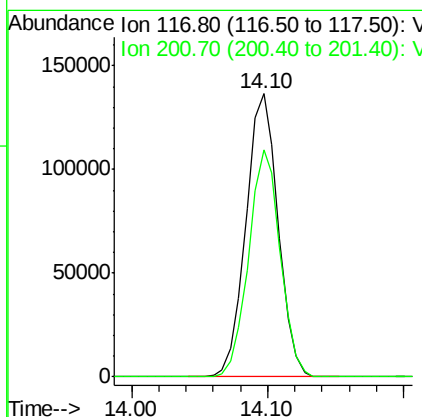
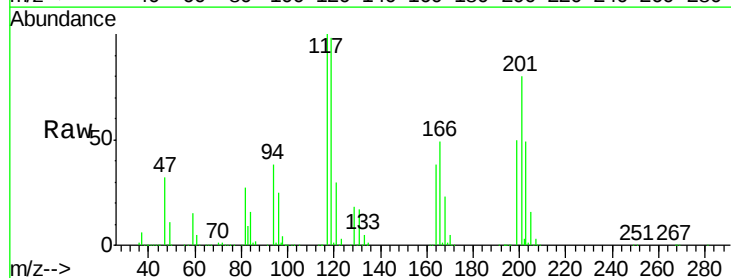
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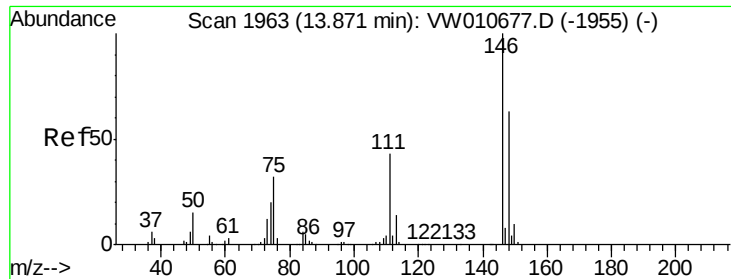
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#90
Hexachloroethane
Concen: 99.155 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion: 117 Resp: 225854
Ion Ratio Lower Upper
117 100
201 79.0 38.8 116.4





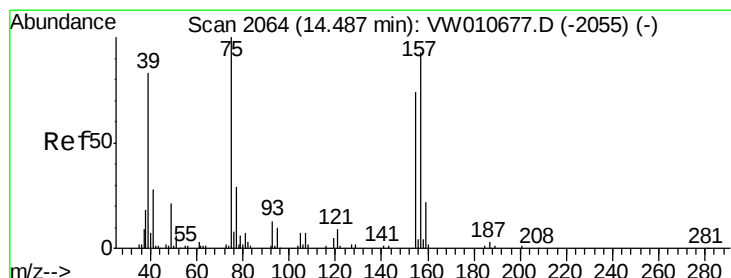
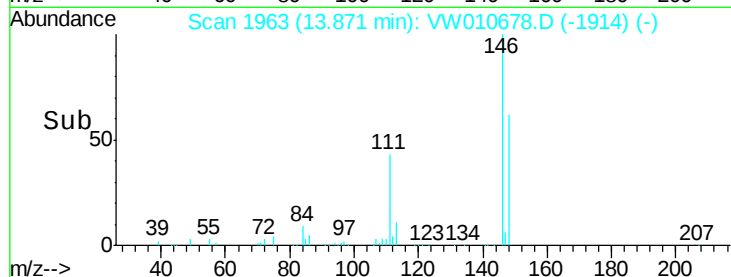
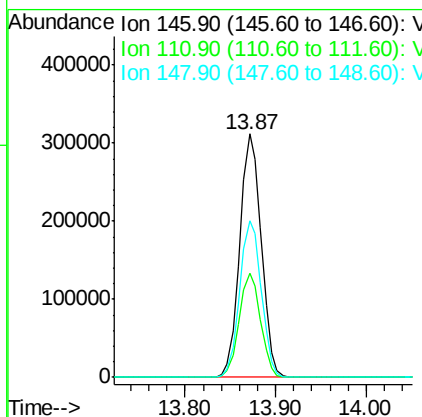
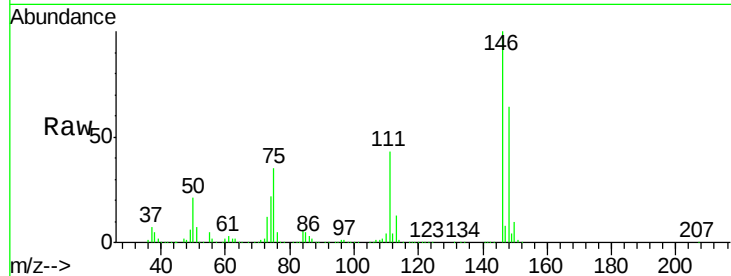
#91
 1,2-Dichlorobenzene
 Concen: 95.936 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	64.7	31.9	95.5

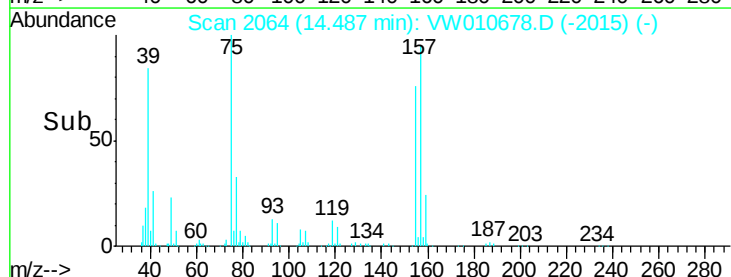
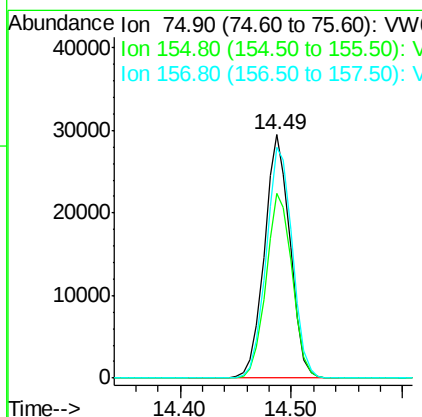
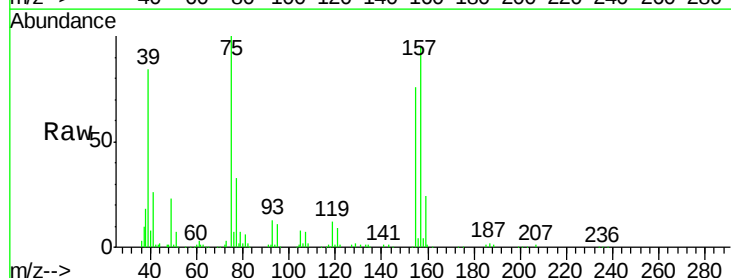
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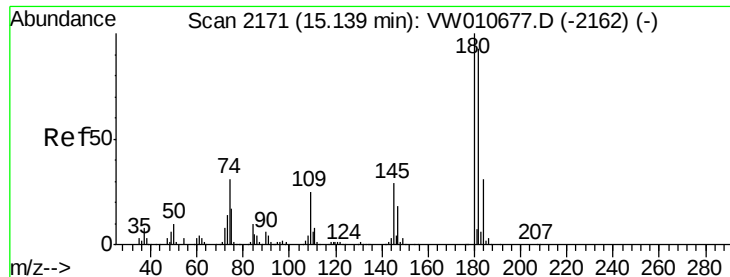
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.980 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.8	116.4
157	96.4	48.4	145.0





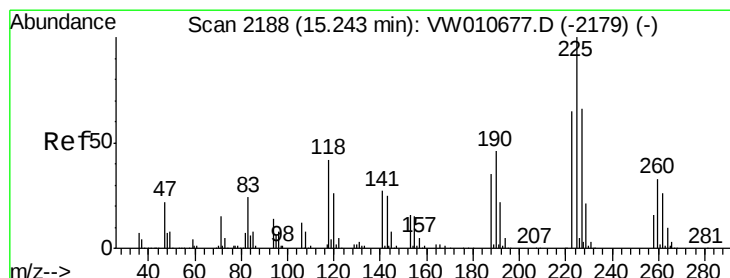
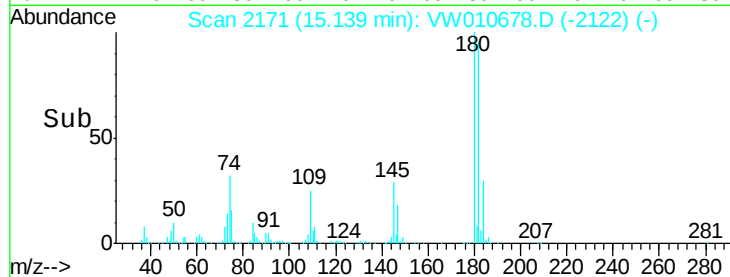
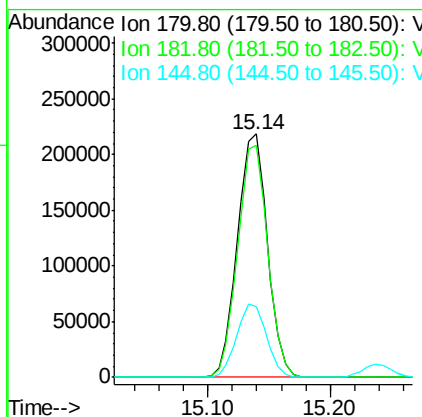
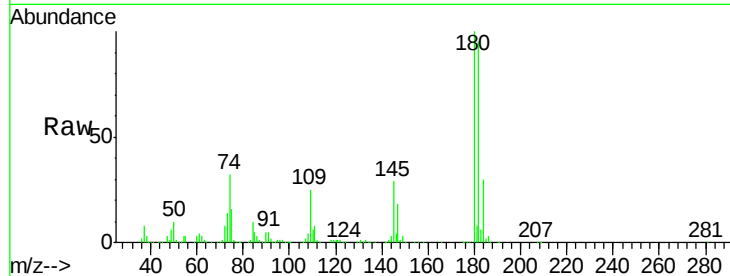
#93
 1,2,4-Trichlorobenzene
 Concen: 99.586 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.4
145	30.2	15.2	45.5

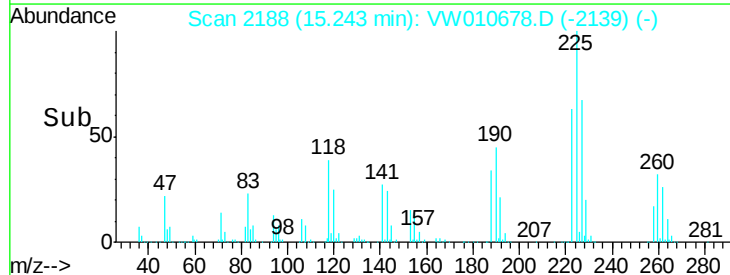
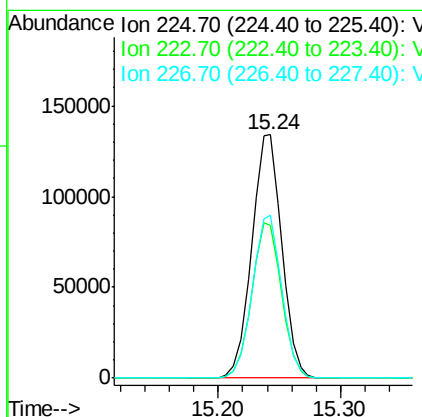
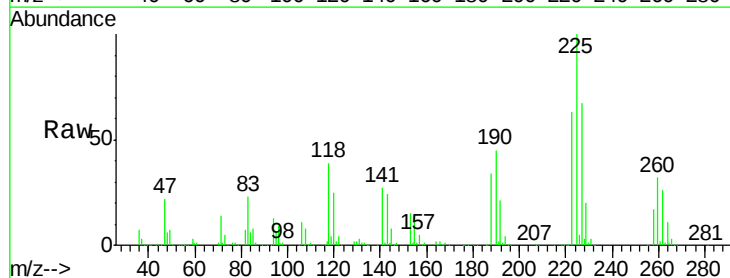
Manual Integrations
 APPROVED

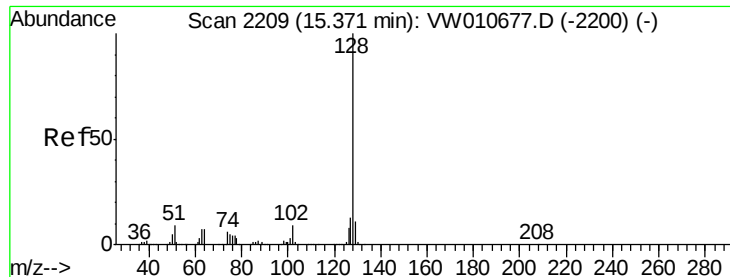
MMDadoda
 6/5/2019 3:05:07 PM



#94
 Hexachlorobutadiene
 Concen: 97.499 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010678.D
 Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.2	96.6
227	65.6	32.0	96.0





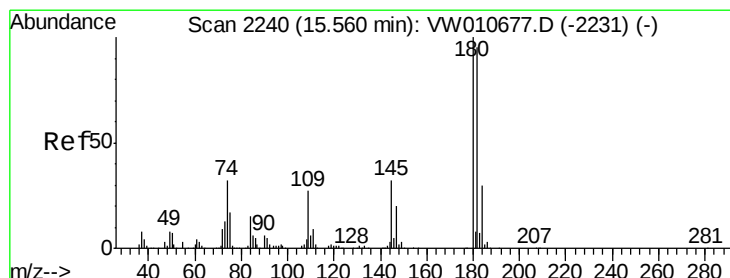
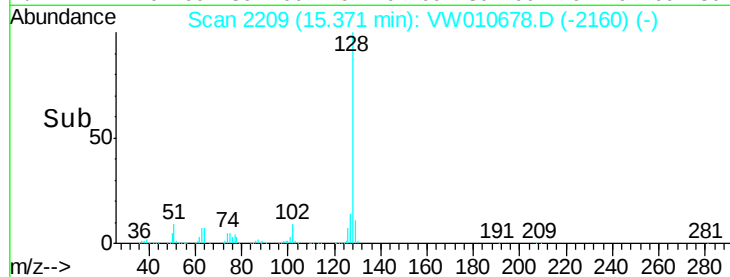
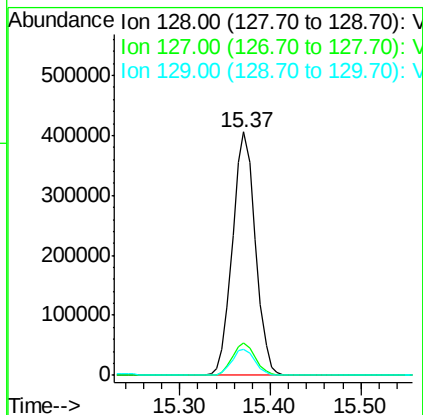
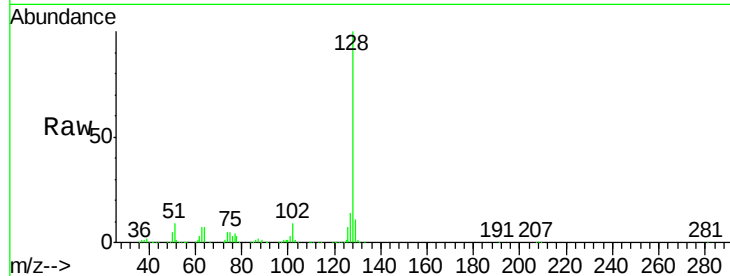
#95
Naphthalene
Concen: 104.415 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2019 3:05:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 100.253 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010678.D
Acq: 04 Jun 2019 16:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.0	141.0
145	32.3	16.1	48.3

