

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051219\
 Data File : VW010405.D
 Acq On : 12 May 2019 13:47
 Operator : SY/VA
 Sample : VW0512SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:27:21 PM

Quant Time: May 13 06:05:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1251609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2009753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1836358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	948014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	684229	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	598097	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.32	98	2399884	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	874102	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	176492	18.642	ug/l	99
3) Chloromethane	2.21	50	221613	17.297	ug/l	100
4) Vinyl Chloride	2.37	62	315368	19.806	ug/l	98
5) Bromomethane	2.77	94	179277	19.525	ug/l	97
6) Chloroethane	2.92	64	184886	20.078	ug/l	94
7) Trichlorofluoromethane	3.25	101	129701	16.272	ug/l	97
8) Diethyl Ether	3.67	74	150817	21.523	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	270920	20.743	ug/l	98
10) Methyl Iodide	4.27	142	377828	20.428	ug/l	95
11) Tert butyl alcohol	5.18	59	77009	81.950	ug/l	100
12) 1,1-Dichloroethene	4.03	96	274883	20.141	ug/l	96
13) Acrolein	3.89	56	93458	75.329	ug/l	96
14) Allyl chloride	4.66	41	411510	20.199	ug/l	94
15) Acrylonitrile	5.37	53	335117	86.282	ug/l	100
16) Acetone	4.12	43	291610	84.065	ug/l	92
17) Carbon Disulfide	4.38	76	805117	19.505	ug/l	100
18) Methyl Acetate	4.67	43	159104	18.518	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	342813	21.100	ug/l	98
20) Methylene Chloride	4.92	84	306248	21.167	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	298416	20.313	ug/l	96
22) Diisopropyl ether	6.31	45	932959	23.596	ug/l	96
23) Vinyl Acetate	6.25	43	2791309	102.815	ug/l	97
24) 1,1-Dichloroethane	6.21	63	576732	21.666	ug/l	99
25) 2-Butanone	7.17	43	454988	85.739	ug/l	100
26) 2,2-Dichloropropane	7.16	77	277885	20.981	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	321681	21.292	ug/l	97
28) Bromochloromethane	7.51	49	257620	26.250	ug/l	98
29) Tetrahydrofuran	7.53	42	294342	85.755	ug/l	97
30) Chloroform	7.67	83	558302	22.411	ug/l	98
31) Cyclohexane	7.95	56	547897	20.102	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	412404	21.372	ug/l	100
36) 1,1-Dichloropropene	8.08	75	455150	20.887	ug/l	99
37) Ethyl Acetate	7.26	43	205870	17.744	ug/l	98
38) Carbon Tetrachloride	8.06	117	390054	20.881	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	530018	19.883	ug/l	98
40) Benzene	8.32	78	1277020	21.398	ug/l	98
41) Methacrylonitrile	7.49	41	127950	19.664	ug/l	98
42) 1,2-Dichloroethane	8.40	62	385094	22.544	ug/l	97
43) Isopropyl Acetate	8.43	43	359791	18.698	ug/l	95
44) Trichloroethene	9.09	130	308062	20.619	ug/l	100
45) 1,2-Dichloropropane	9.37	63	327987	22.110	ug/l	98
46) Dibromomethane	9.46	93	163910	21.388	ug/l	99
47) Bromodichloromethane	9.64	83	408475	22.220	ug/l	99
48) Methyl methacrylate	9.44	41	174042	19.129	ug/l	87
49) 1,4-Dioxane	9.45	88	49271	368.670	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1017330	92.202	ug/l	96
52) Toluene	10.38	92	793420	21.752	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	398729	21.413	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	475918	21.581	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	234996	21.589	ug/l	98
56) Ethyl methacrylate	10.65	69	285023	19.829	ug/l #	90
57) 1,3-Dichloropropane	10.93	76	422268	21.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	819871	119.134	ug/l	100
59) 2-Hexanone	10.97	43	700695	89.819	ug/l	94
60) Dibromochloromethane	11.13	129	251274	21.453	ug/l	99
61) 1,2-Dibromoethane	11.23	107	217464	20.812	ug/l	98
64) Tetrachloroethene	10.86	164	262757	20.472	ug/l	99
65) Chlorobenzene	11.66	112	812540	21.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	275590	21.450	ug/l	97
67) Ethyl Benzene	11.73	91	1491518	21.329	ug/l	100
68) m/p-Xylenes	11.84	106	1131547	43.551	ug/l	99
69) o-Xylene	12.16	106	500556	21.297	ug/l	100
70) Styrene	12.18	104	912762	22.288	ug/l	98
71) Bromoform	12.35	173	142410	19.390	ug/l	97
73) Isopropylbenzene	12.46	105	1429350	20.685	ug/l	99
74) N-amyl acetate	12.27	43	330657	18.522	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	281964	18.519	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	200805m	18.167	ug/l	
77) Bromobenzene	12.75	156	326970	20.956	ug/l	100
78) n-propylbenzene	12.80	91	1799271	21.082	ug/l	100
79) 2-Chlorotoluene	12.90	91	1019458	20.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1236604	21.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	83656	17.092	ug/l	98
82) 4-Chlorotoluene	12.99	91	1089387	21.392	ug/l	98
83) tert-Butylbenzene	13.21	119	993615	20.449	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1259747	21.761	ug/l	100
85) sec-Butylbenzene	13.38	105	1490228	20.775	ug/l	99
86) p-Isopropyltoluene	13.50	119	1349477	21.189	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	664925	21.342	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	655669	21.206	ug/l	100
89) n-Butylbenzene	13.83	91	1340142	20.986	ug/l	100
90) Hexachloroethane	14.10	117	238707	20.208	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	588238	21.329	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45245	16.502	ug/l	98

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ClientSampleId :
VW0512SBSD01

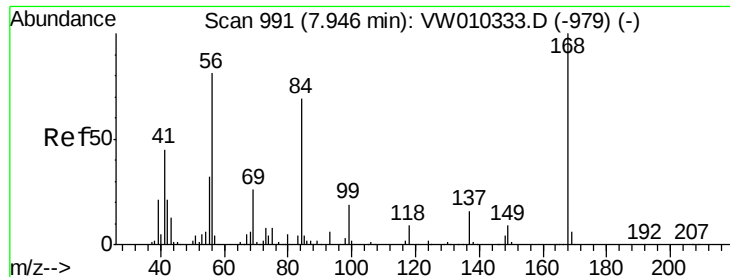
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	409704	21.766	ug/l	100
94) Hexachlorobutadiene	15.24	225	251958	20.880	ug/l	99
95) Naphthalene	15.37	128	714632	19.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	367341	21.603	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion:168 Resp: 1251609

Ion Ratio Lower Upper

168 100

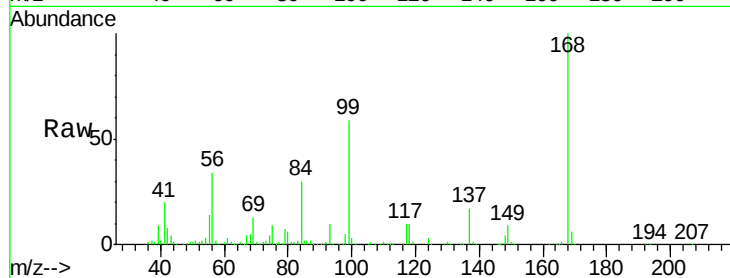
99 59.0 48.4 72.6

Manual Integrations

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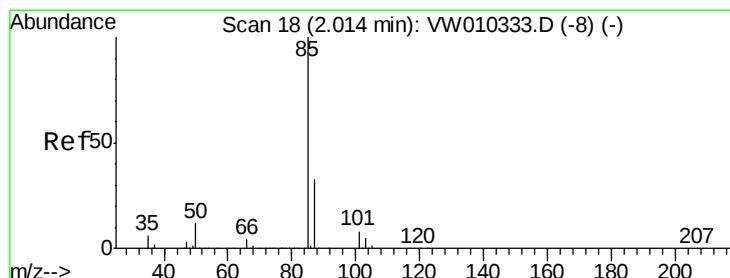
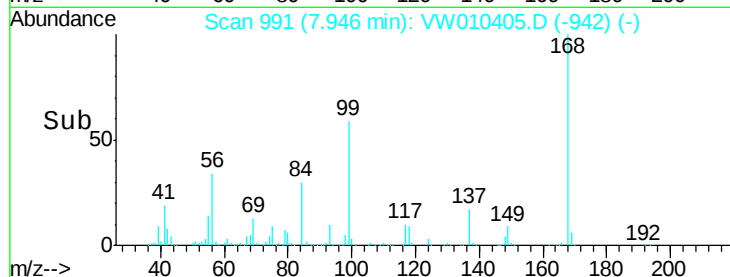
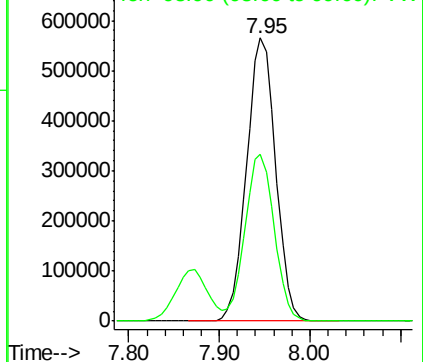
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.642 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010405.D

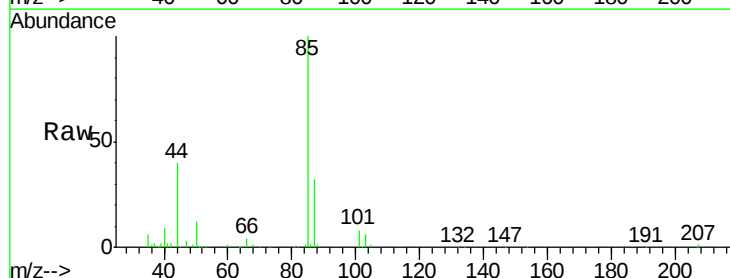
Acq: 12 May 2019 13:47

Tgt Ion: 85 Resp: 176492

Ion Ratio Lower Upper

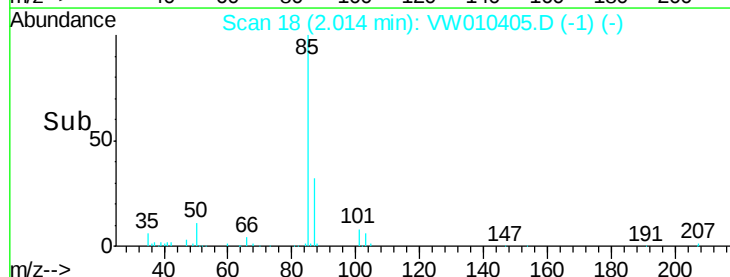
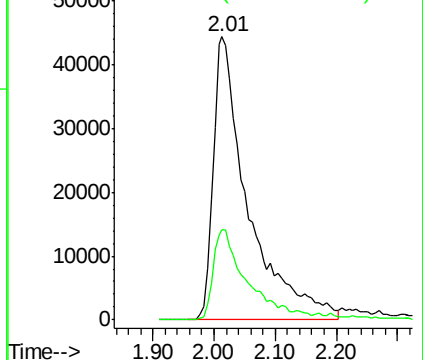
85 100

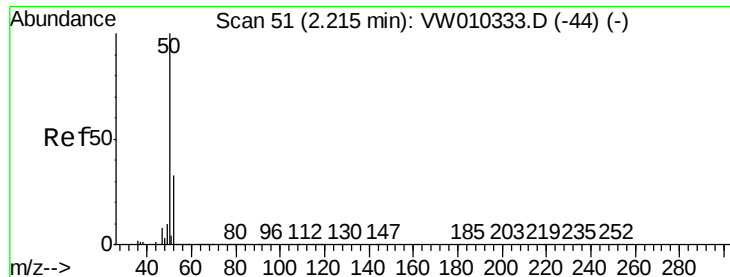
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.297 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 50 Resp: 221613

Ion Ratio Lower Upper

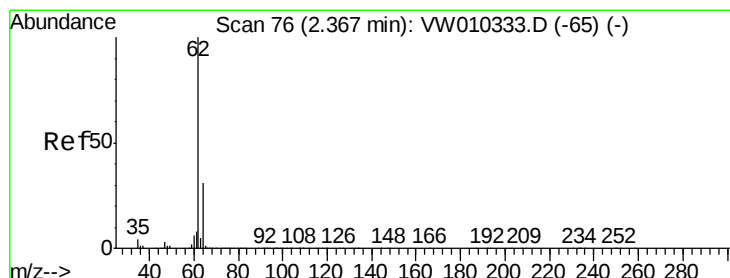
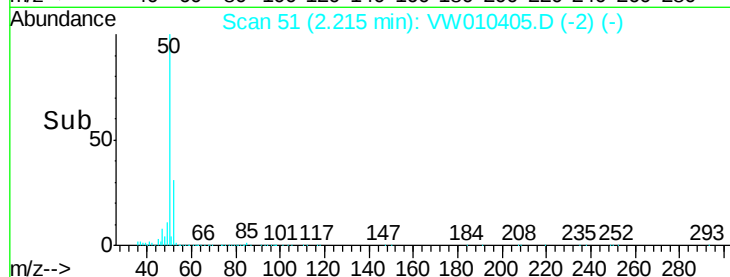
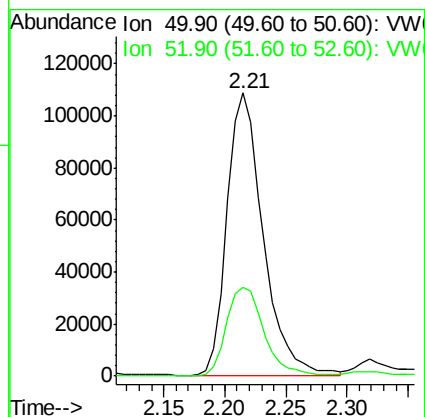
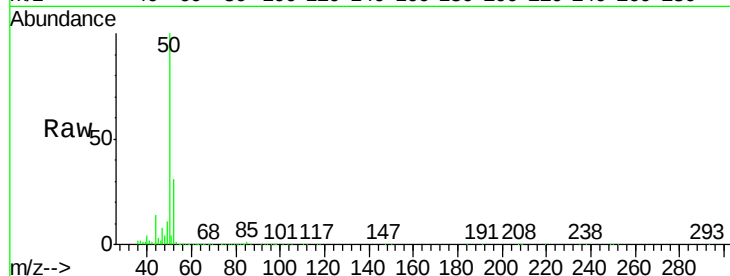
50 100

52 31.2 25.0 37.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.806 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010405.D

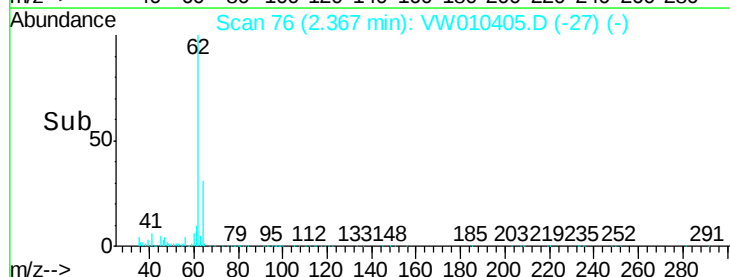
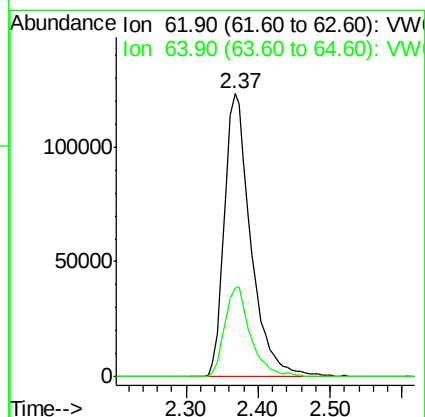
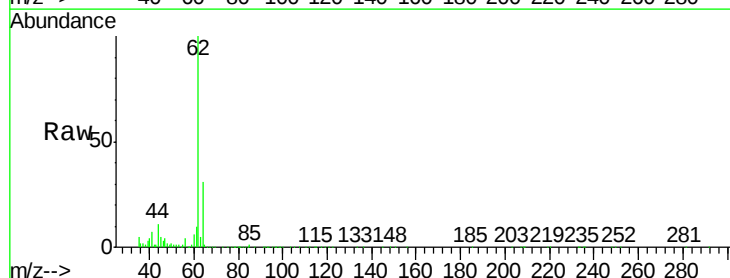
Acq: 12 May 2019 13:47

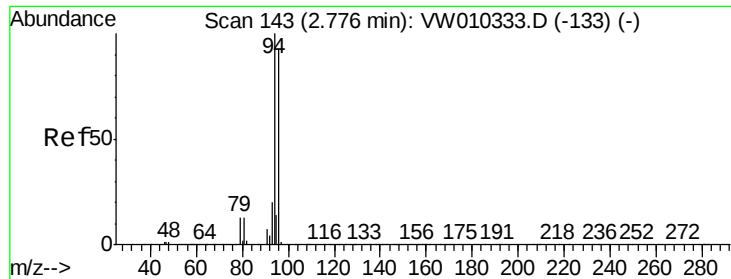
Tgt Ion: 62 Resp: 315368

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 19.525 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 94 Resp: 179277

Ion Ratio Lower Upper

94 100

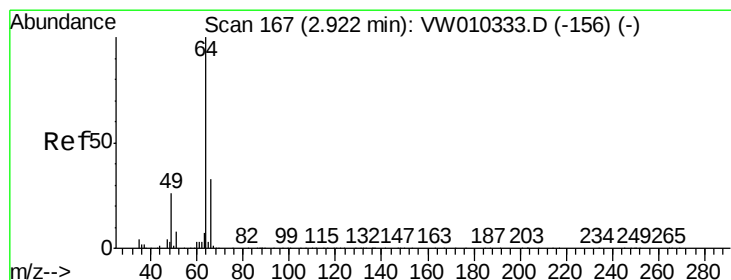
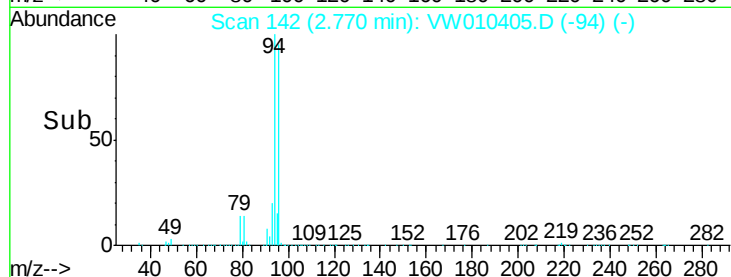
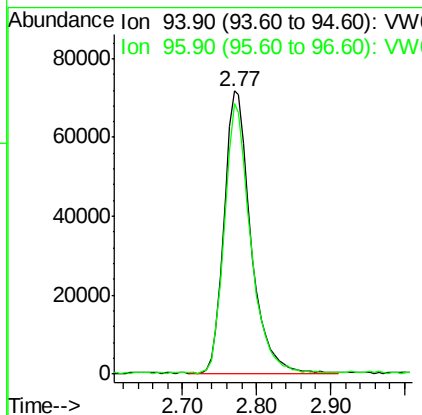
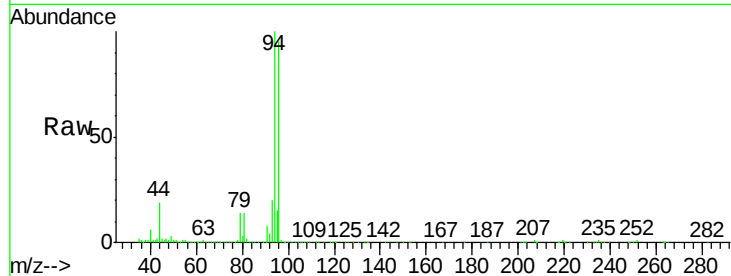
96 95.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.078 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010405.D

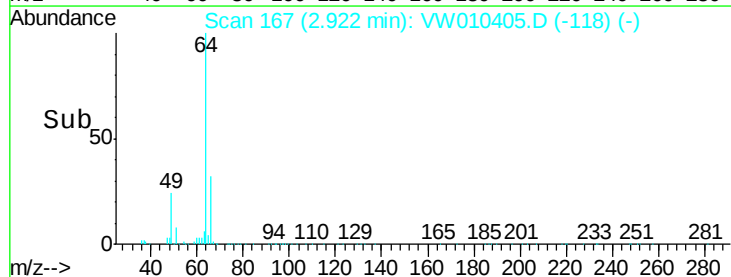
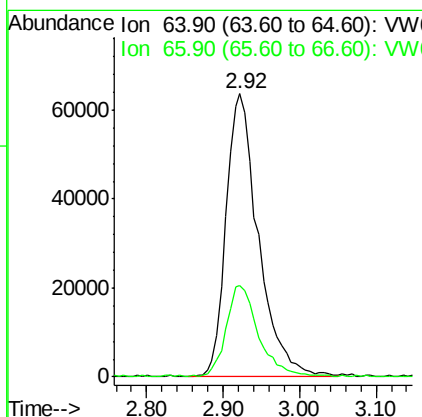
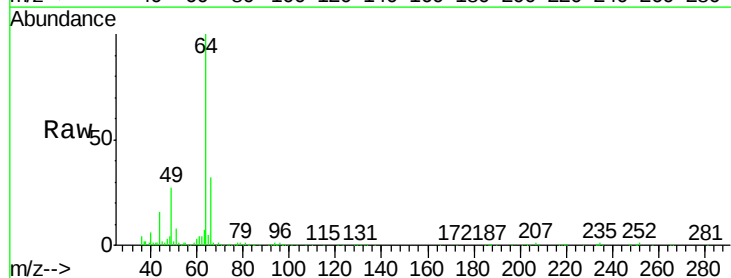
Acq: 12 May 2019 13:47

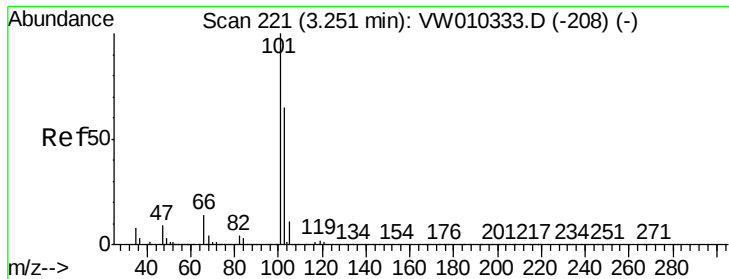
Tgt Ion: 64 Resp: 184886

Ion Ratio Lower Upper

64 100

66 32.4 23.4 35.0





#7

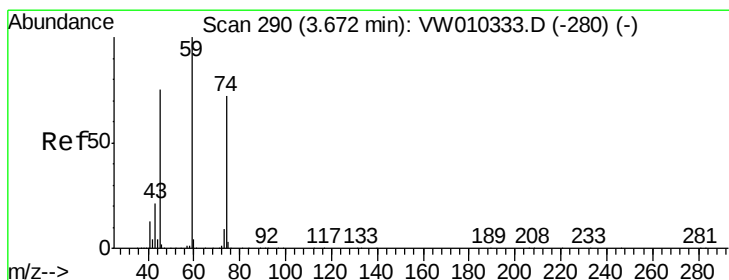
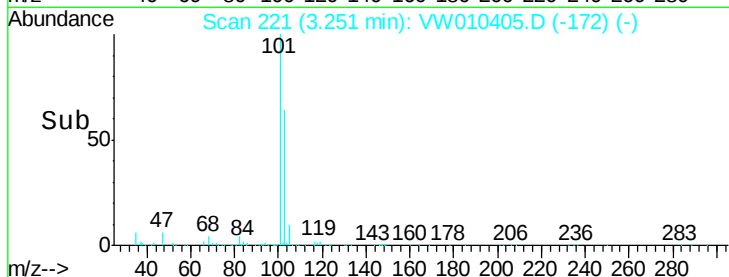
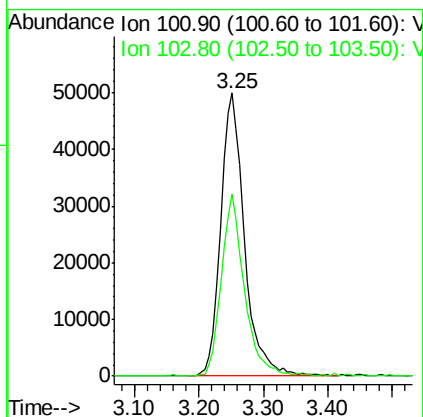
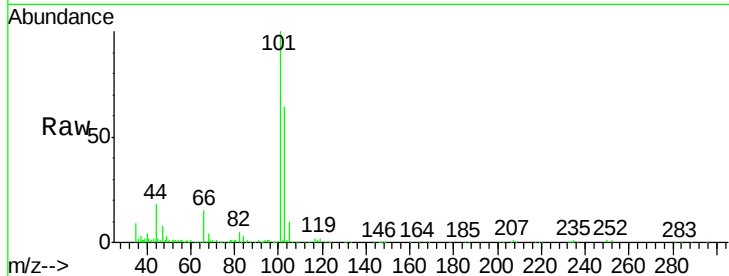
Trichlorofluoromethane
Concen: 16.272 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
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ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	129701		
103	64.2	49.8	74.6	

Manual Integrations
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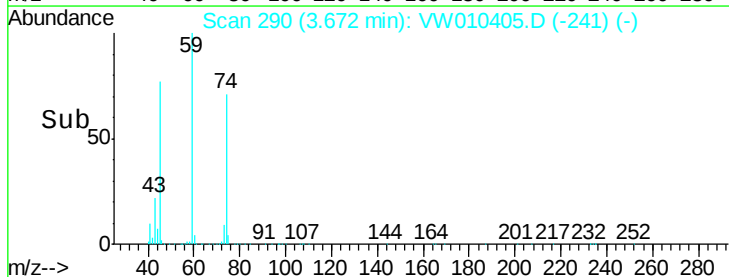
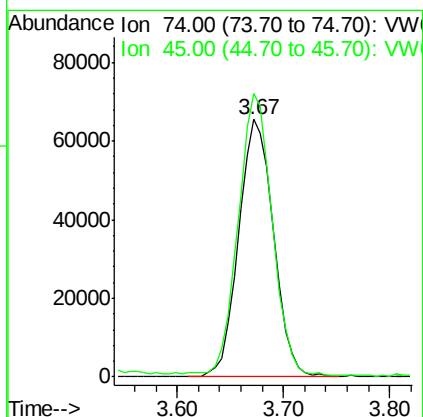
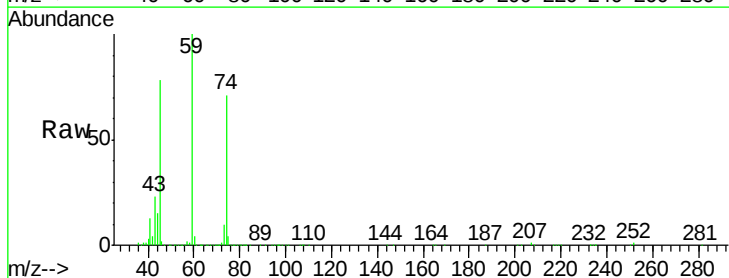
MMDadoda
5/13/2019 12:27:21 PM

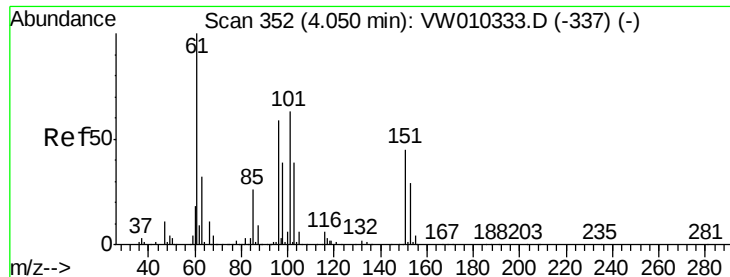


#8

Diethyl Ether
Concen: 21.523 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	150817		
45	107.8	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.743 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

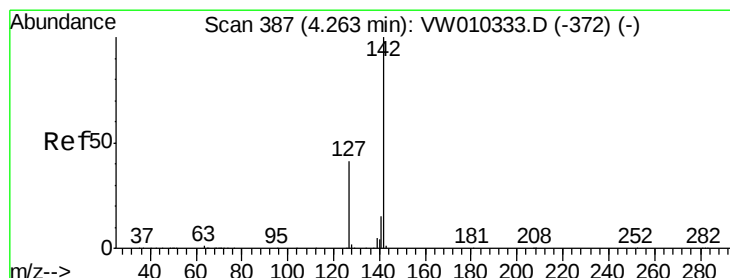
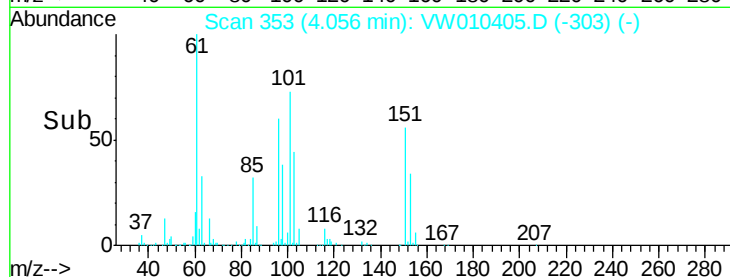
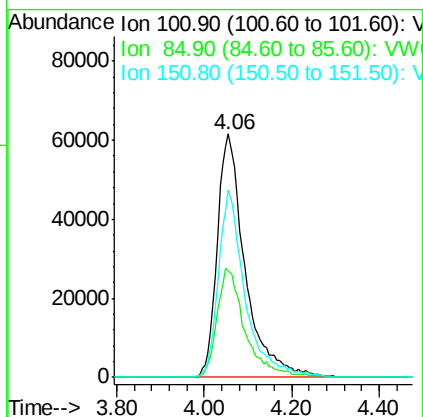
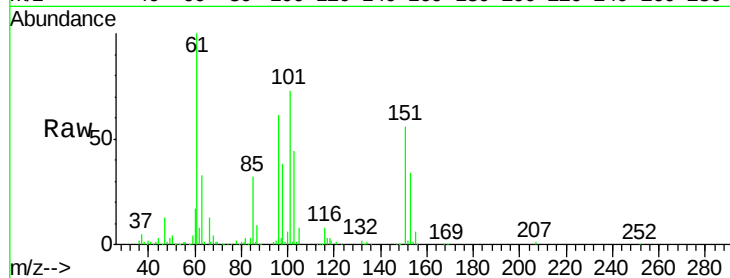
ClientSampleId :

VW0512SBSD01

Tot Ion:	101	Resp:	270920
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.3	54.5
151	73.6	60.2	90.2

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#10

Methyl Iodide

Concen: 20.428 ug/l

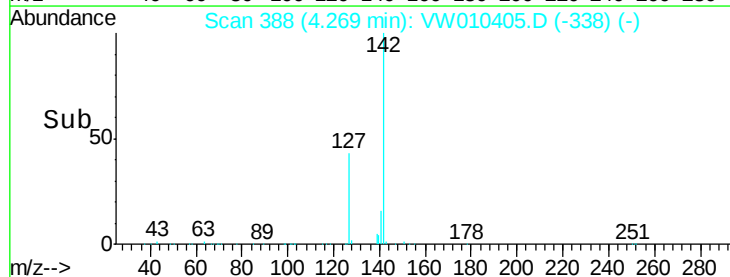
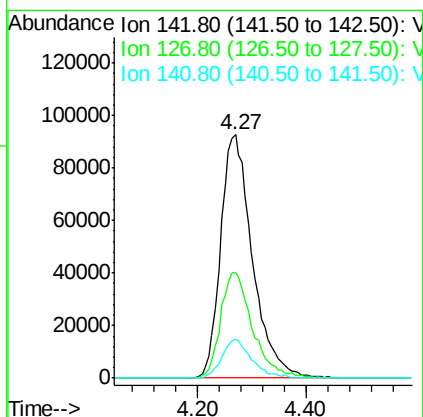
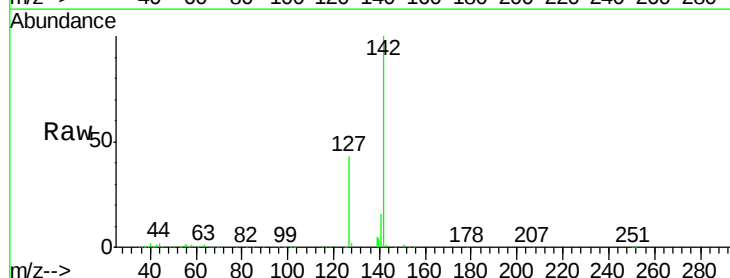
RT: 4.27 min Scan# 388

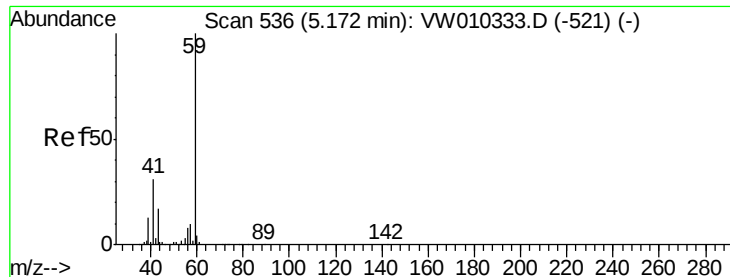
Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion:	142	Resp:	377828
Ion Ratio	Lower	Upper	
142	100		
127	43.5	38.1	57.1
141	14.9	12.2	18.2





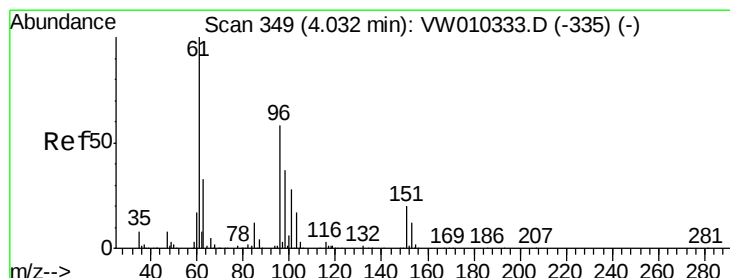
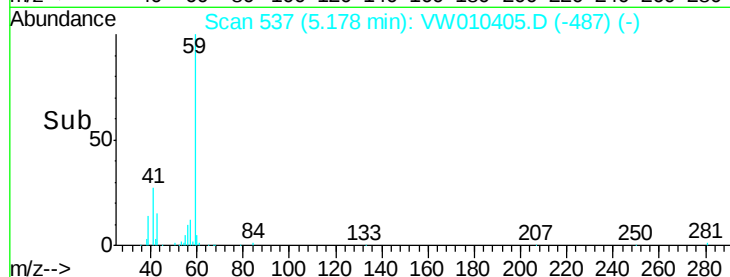
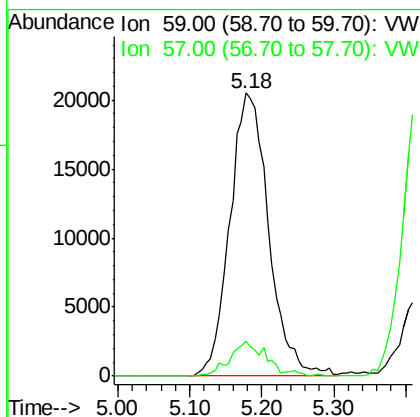
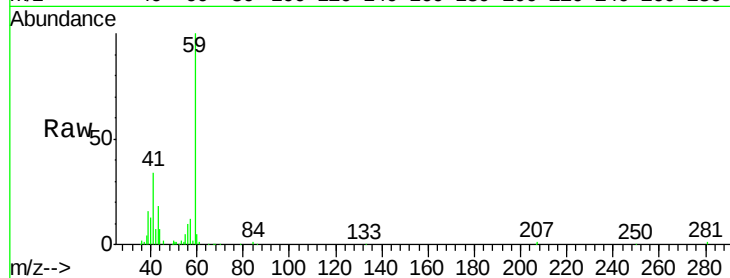
#11
Tert butyl alcohol
Concen: 81.950 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

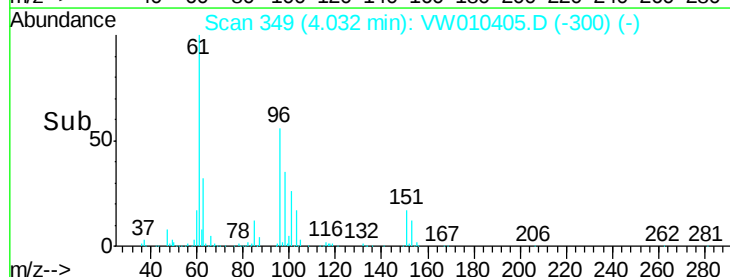
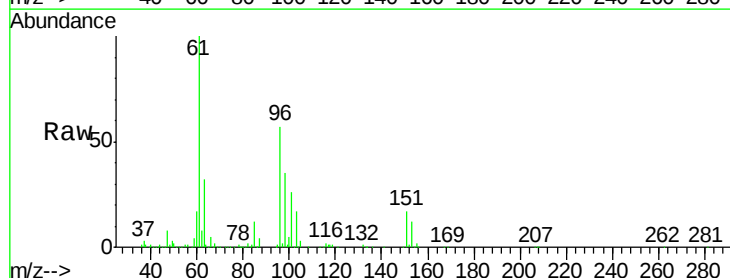
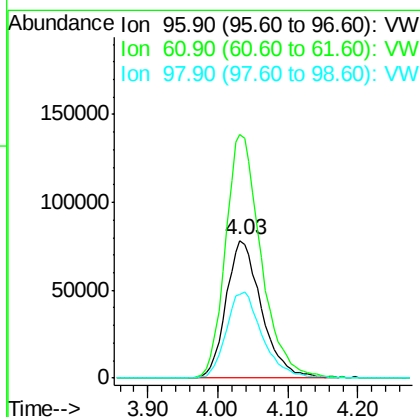
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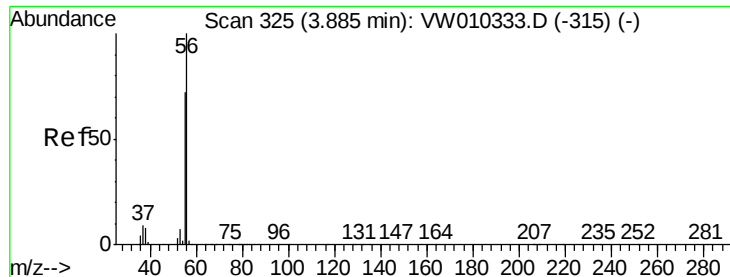
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.141 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.9	147.4	221.2
98	61.0	49.7	74.5





#13

Acrolein

Concen: 75.329 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 56 Resp: 93458

Ion Ratio Lower Upper

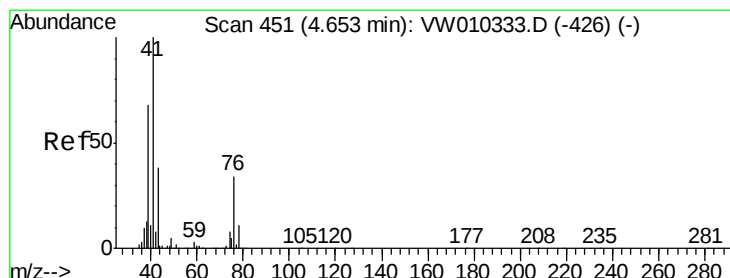
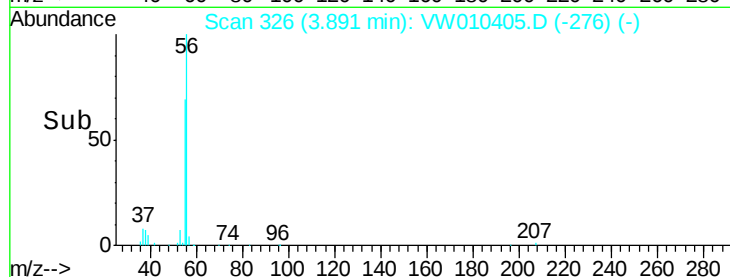
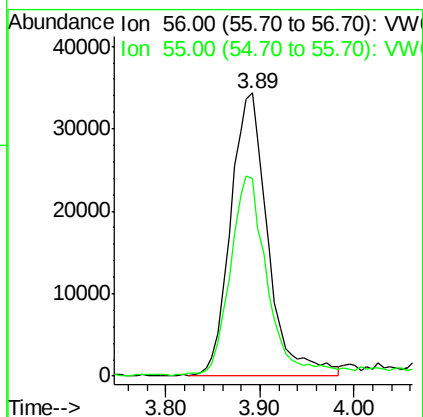
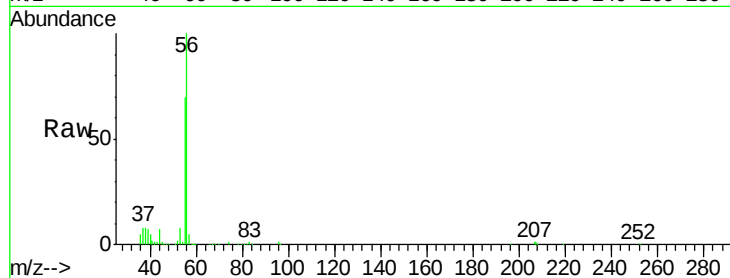
56 100

55 71.0 54.2 81.2

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#14

Allyl chloride

Concen: 20.199 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

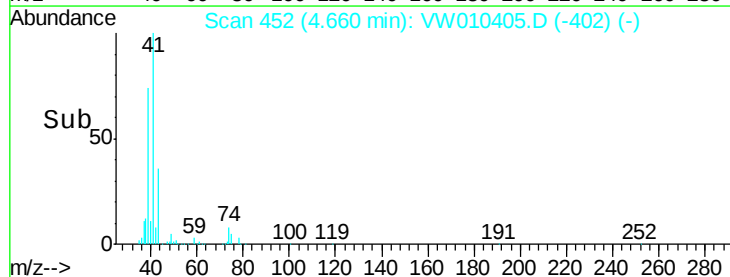
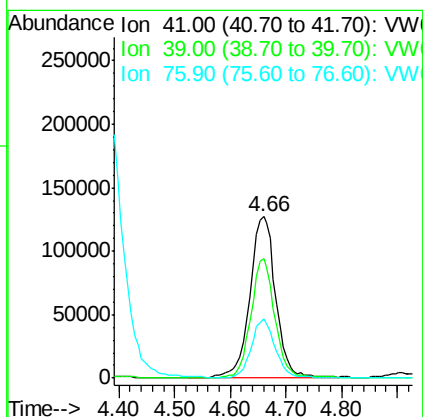
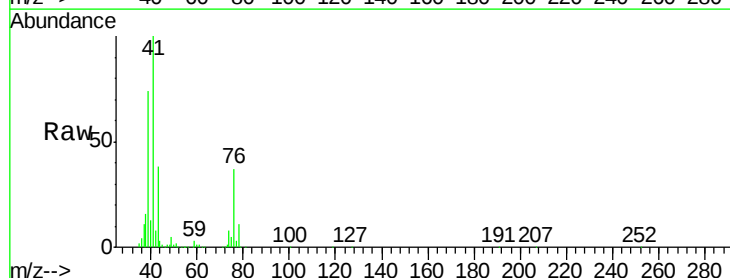
Tgt Ion: 41 Resp: 411510

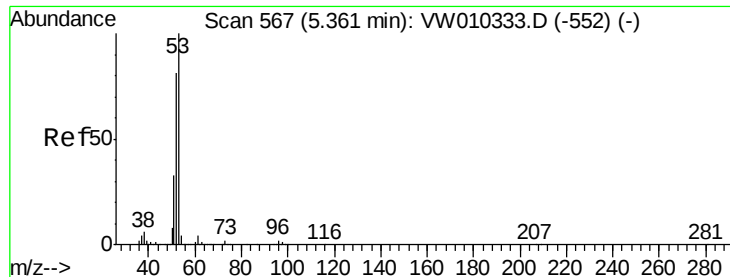
Ion Ratio Lower Upper

41 100

39 69.4 60.2 90.4

76 33.4 25.0 37.6





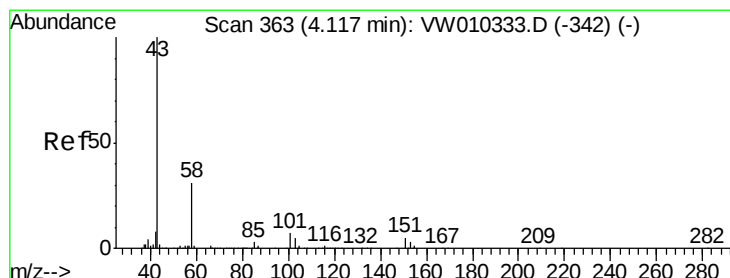
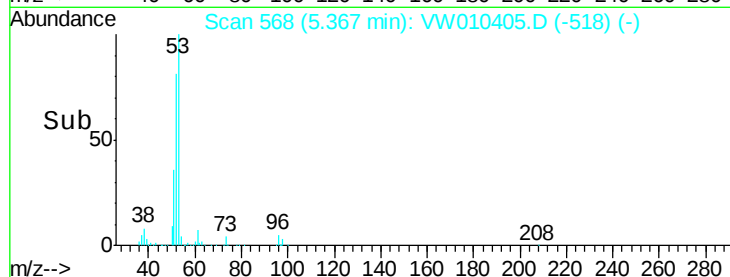
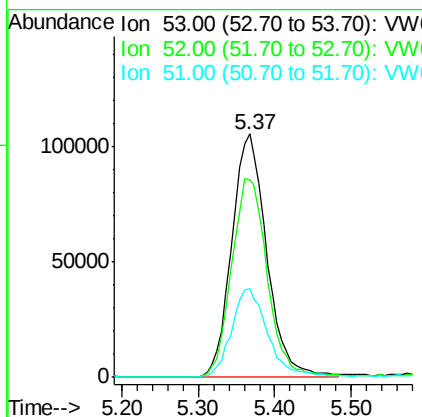
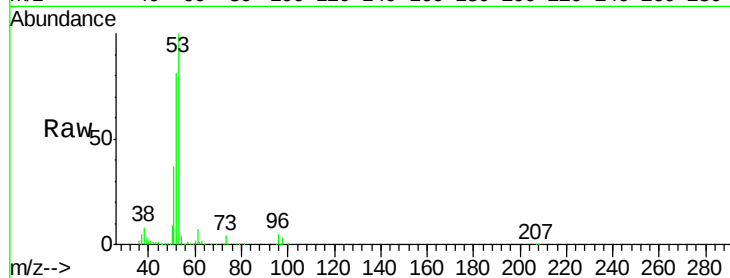
#15
 Acrylonitrile
 Concen: 86.282 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion:	53	Resp:	335117
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	37.5	30.3	45.5

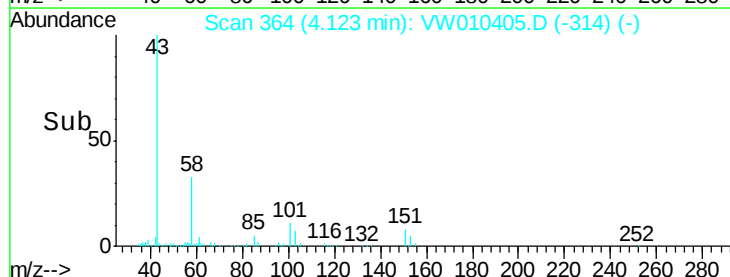
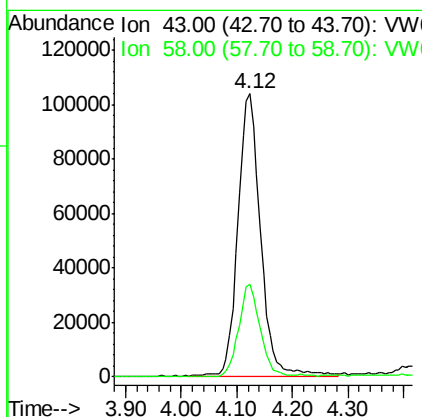
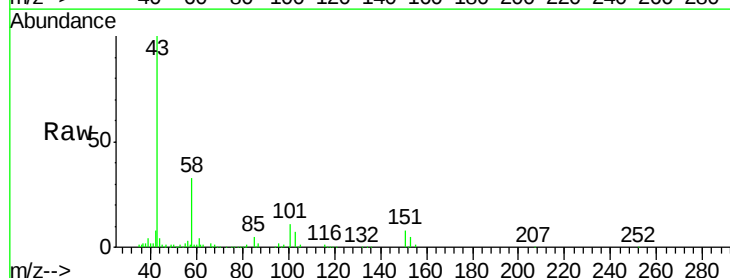
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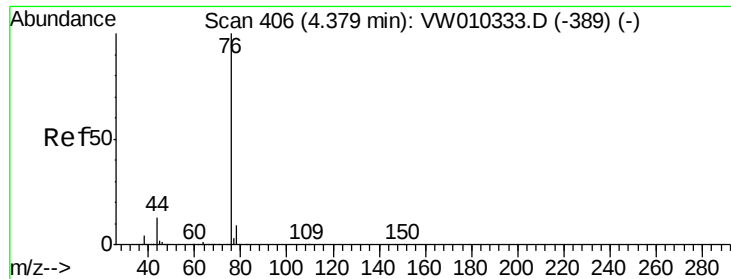
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#16
 Acetone
 Concen: 84.065 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion:	43	Resp:	291610
Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.7	34.1





#17

Carbon Disulfide

Concen: 19.505 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 76 Resp: 805117

Ion Ratio Lower Upper

76 100

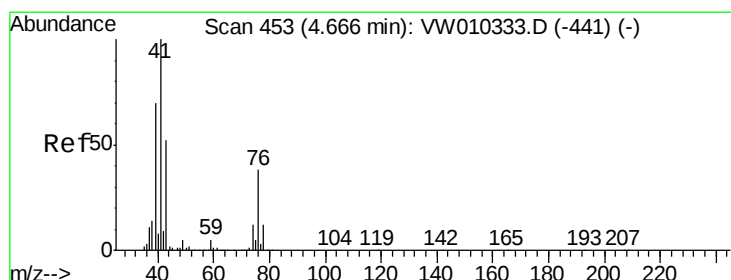
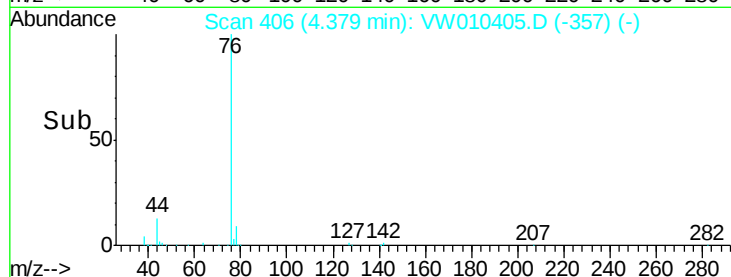
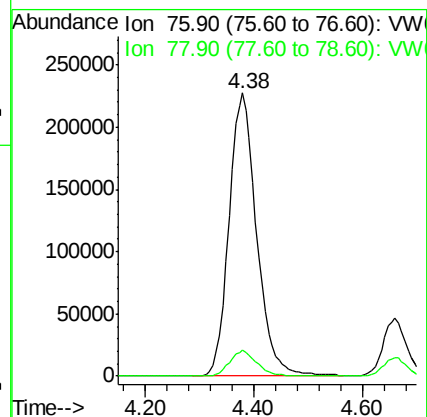
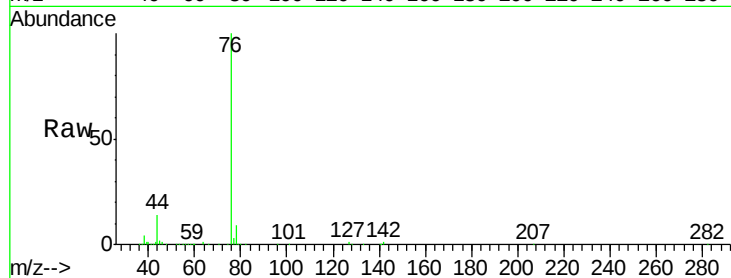
78 9.2 7.4 11.2

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#18

Methyl Acetate

Concen: 18.518 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010405.D

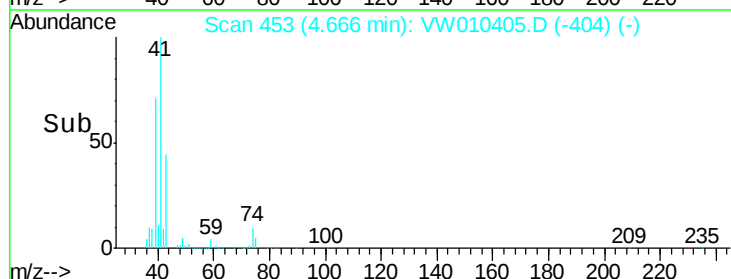
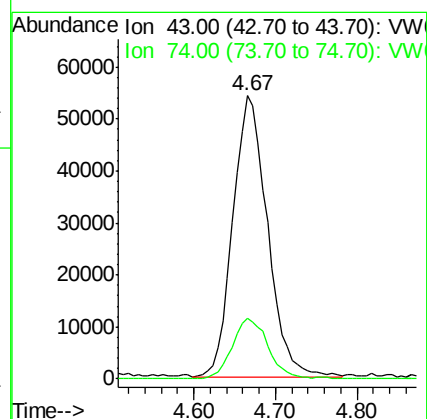
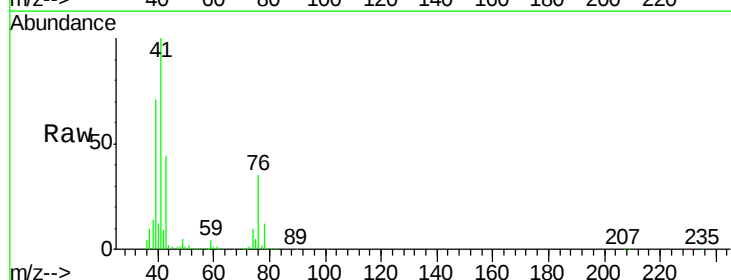
Acq: 12 May 2019 13:47

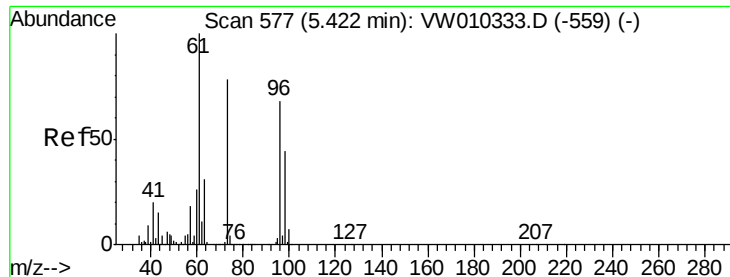
Tgt Ion: 43 Resp: 159104

Ion Ratio Lower Upper

43 100

74 22.2 16.8 25.2





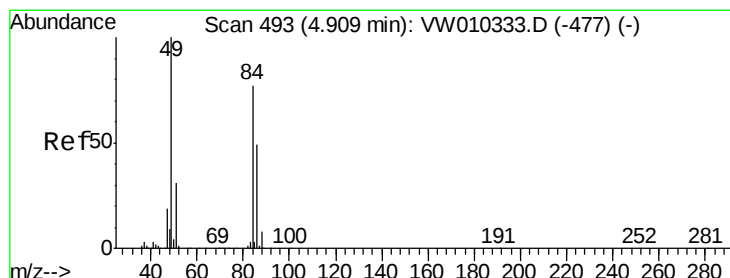
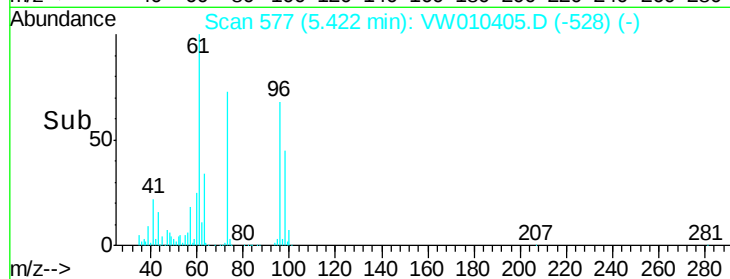
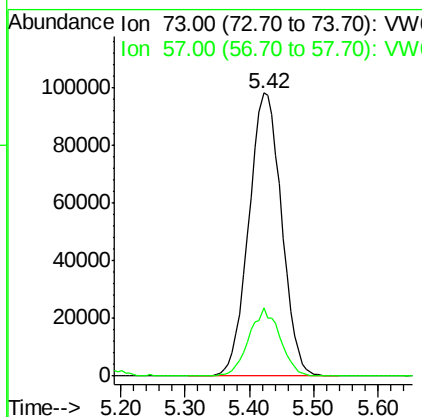
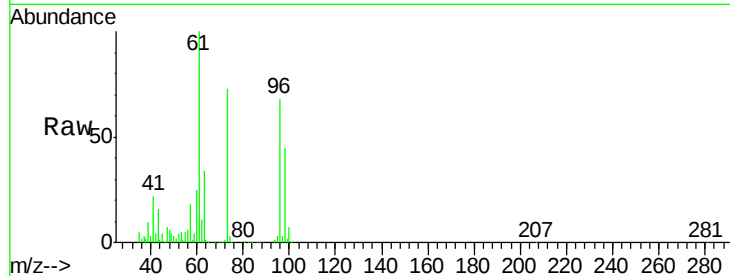
#19
Methvl tert-butvl Ether
Concen: 21.100 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	18.5	27.7

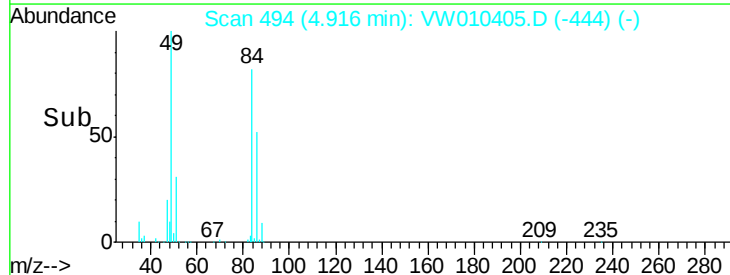
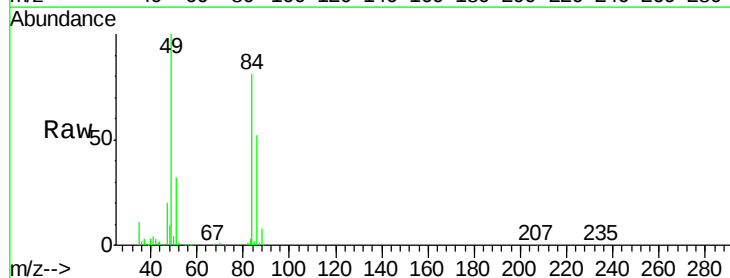
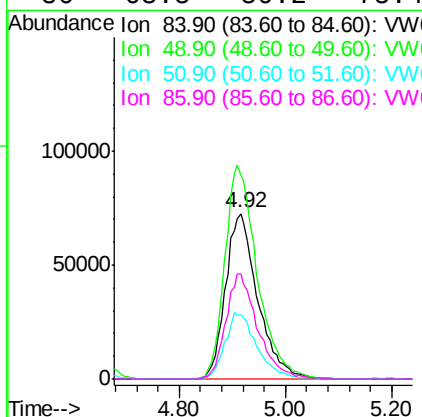
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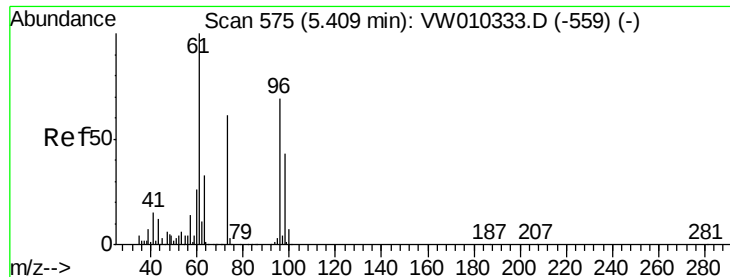
MMDadoda
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#20
Methylene Chloride
Concen: 21.167 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	112.3	168.5
51	38.7	33.9	50.9
86	63.5	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 20.313 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

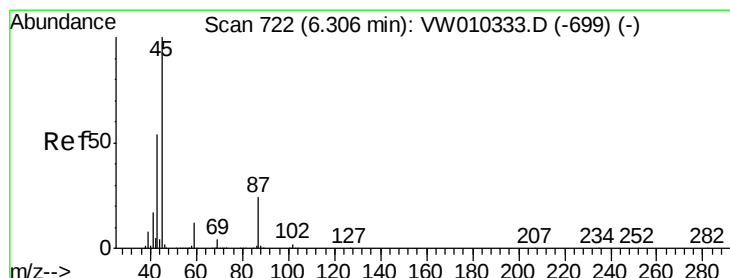
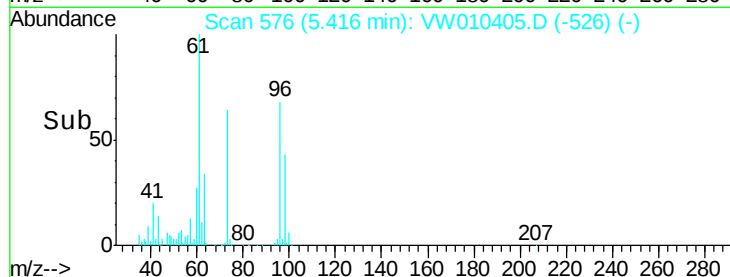
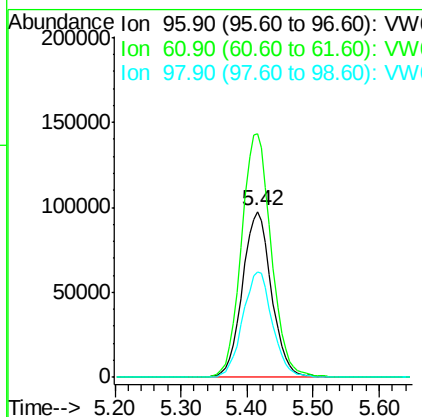
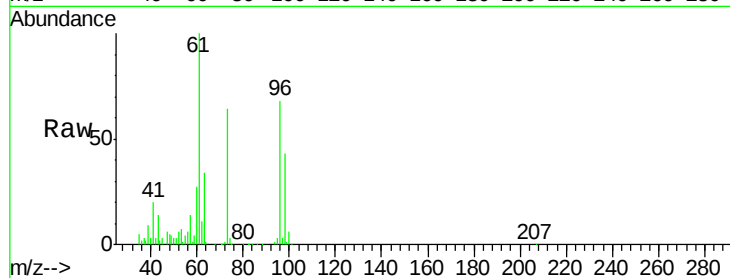
ClientSampleId :

VW0512SBSD01

Tot Ion:	96	Resp:	298416
Ion	Ratio	Lower	Upper
96	100		
61	146.7	122.3	183.5
98	63.7	50.5	75.7

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#22

Diisopropyl ether

Concen: 23.596 ug/l

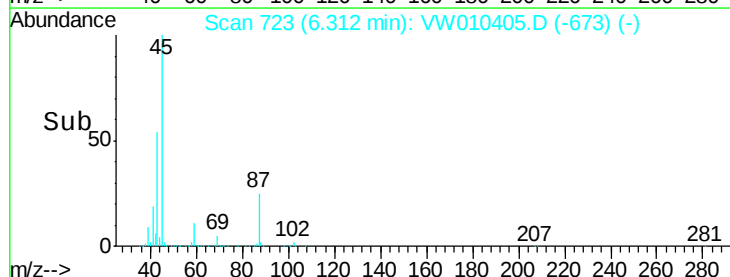
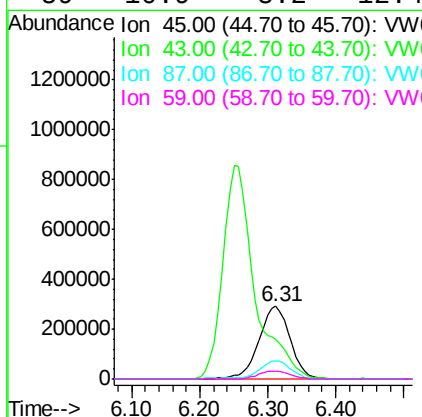
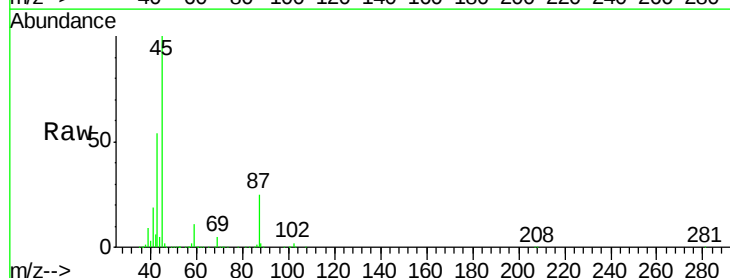
RT: 6.31 min Scan# 723

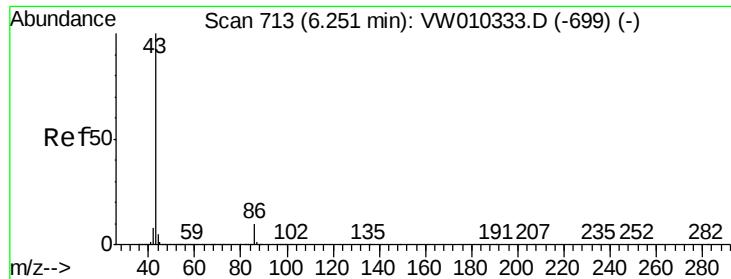
Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion:	45	Resp:	932959
Ion	Ratio	Lower	Upper
45	100		
43	53.8	46.1	69.1
87	24.7	18.3	27.5
59	10.9	8.2	12.4





#23

Vinyl Acetate

Concen: 102.815 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBS01

Tot Ion: 43 Resp: 2791309

Ion Ratio Lower Upper

43 100

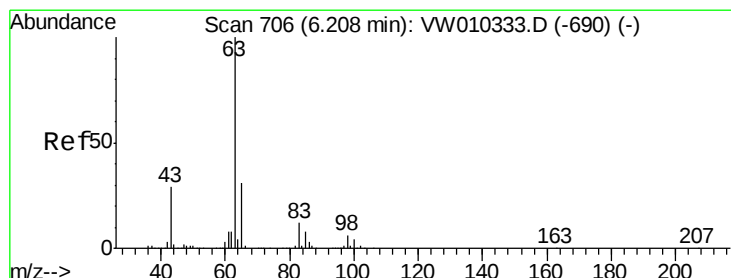
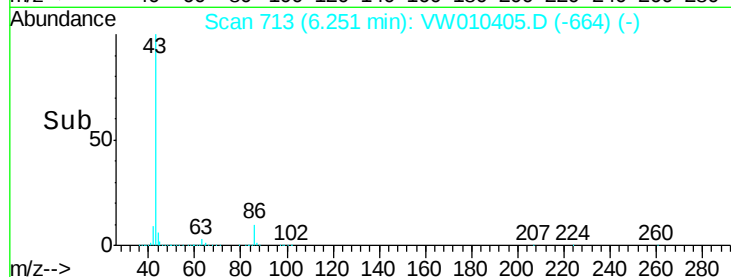
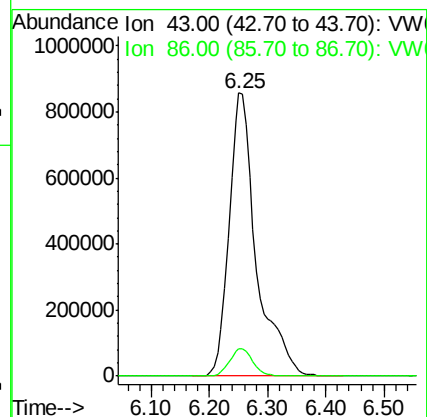
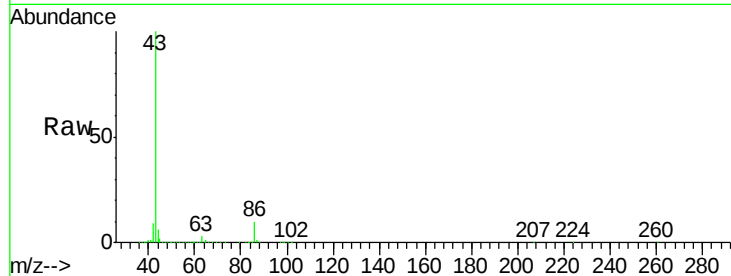
86 9.9 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 21.666 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

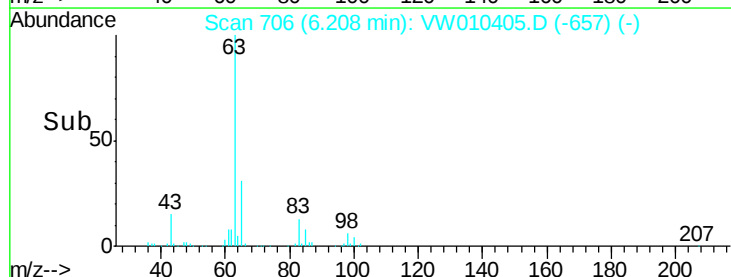
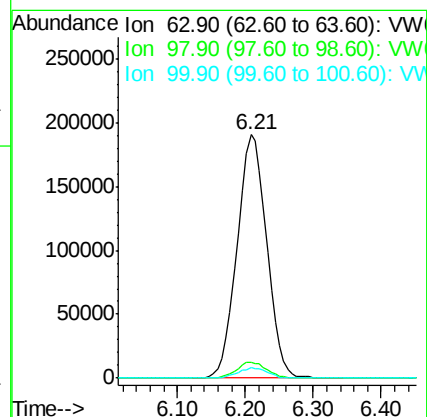
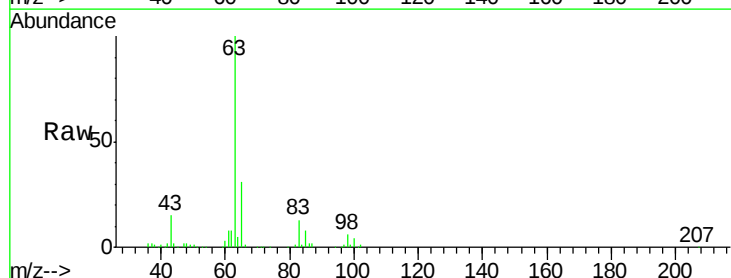
Tgt Ion: 63 Resp: 576732

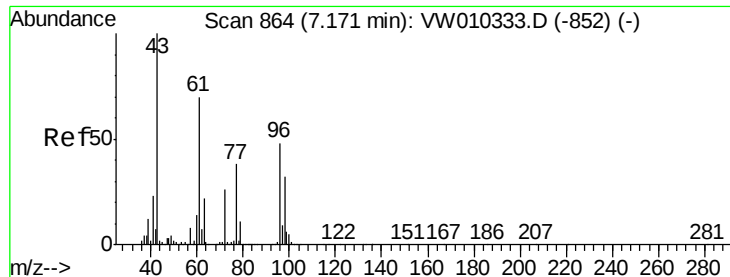
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 85.739 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 43 Resp: 454988

Ion Ratio Lower Upper

43 100

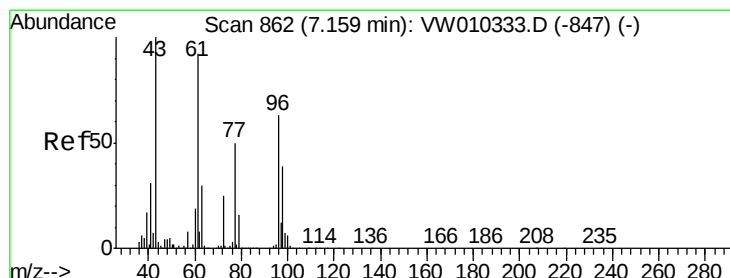
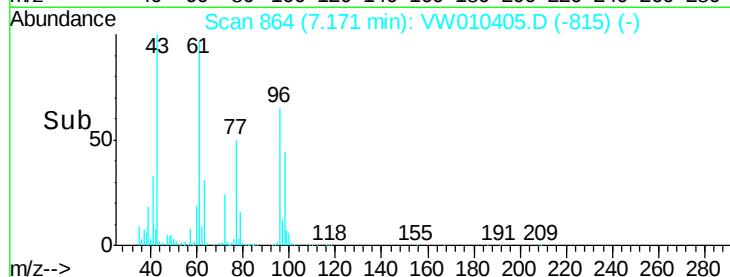
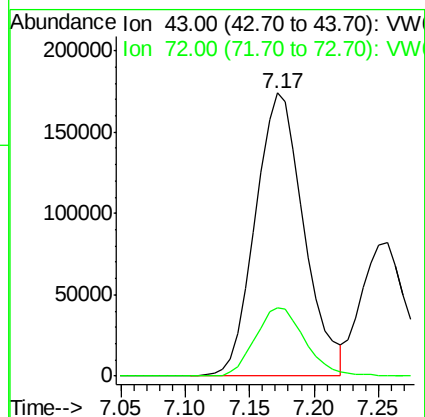
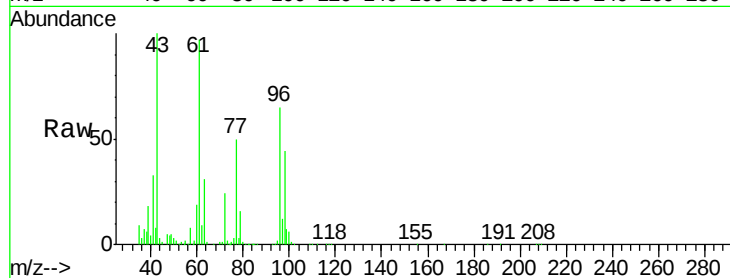
72 24.0 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.981 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010405.D

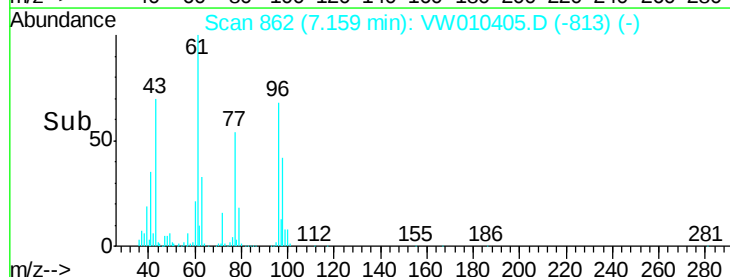
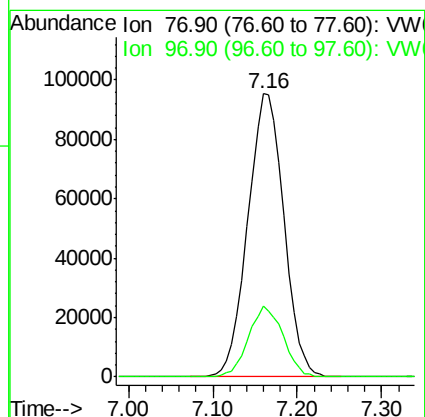
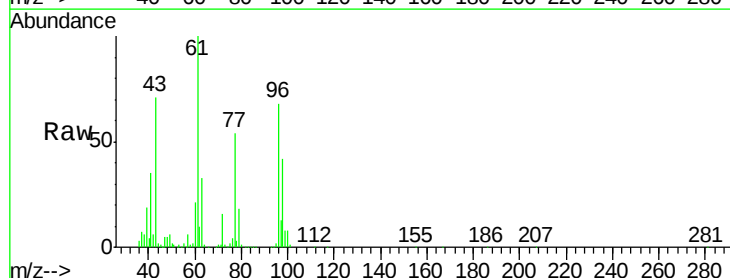
Acq: 12 May 2019 13:47

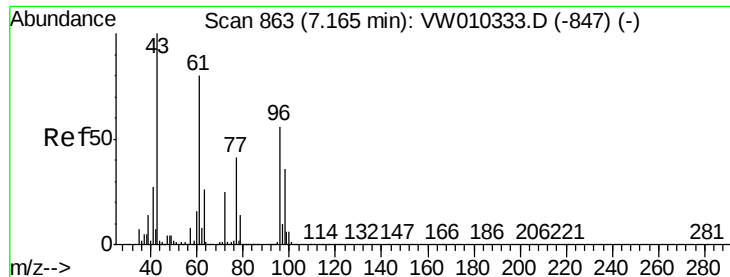
Tgt Ion: 77 Resp: 277885

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9





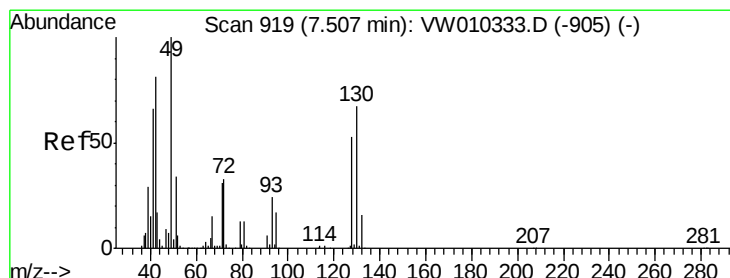
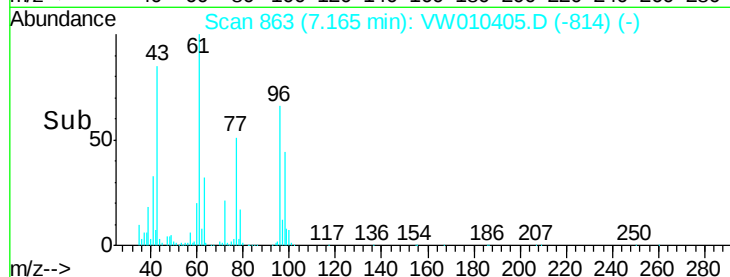
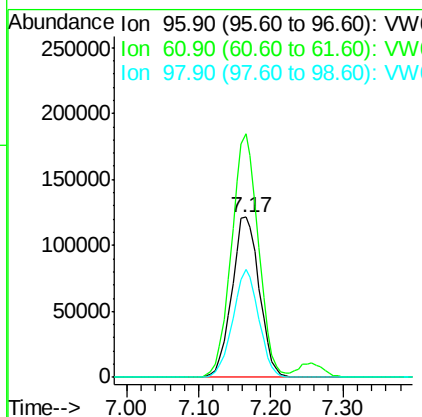
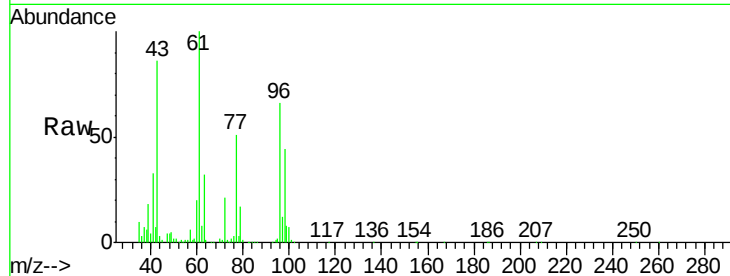
#27
 cis-1,2-Dichloroethene
 Concen: 21.292 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	321681		
61	149.0	0.0	309.4	
98	63.7	0.0	128.6	

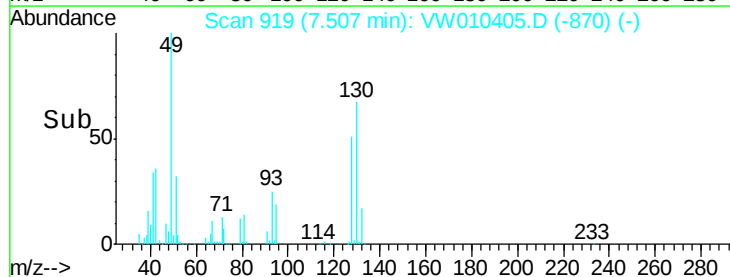
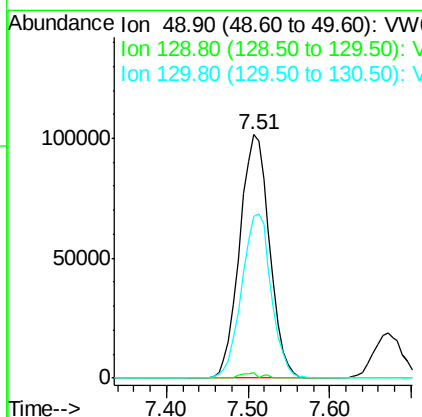
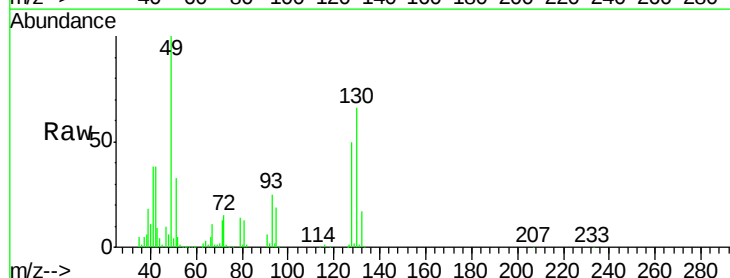
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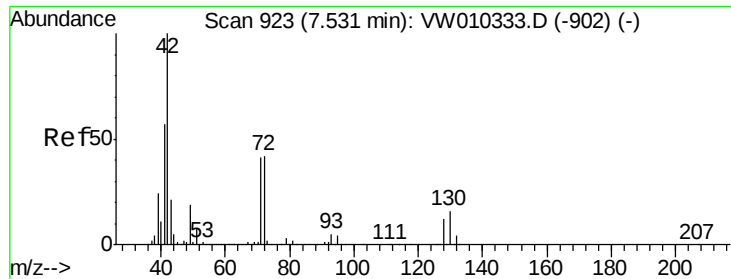
MMDadoda
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#28
 Bromochloromethane
 Concen: 26.250 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	257620		
129	1.1	0.0	3.8	
130	66.9	54.6	82.0	





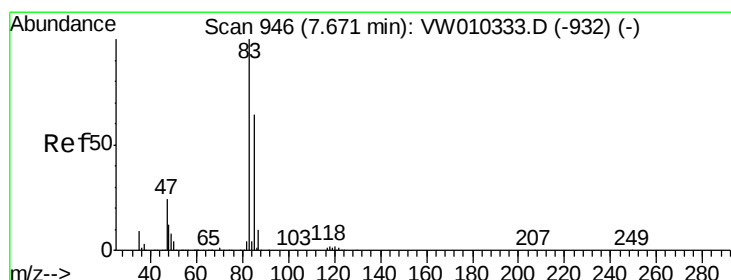
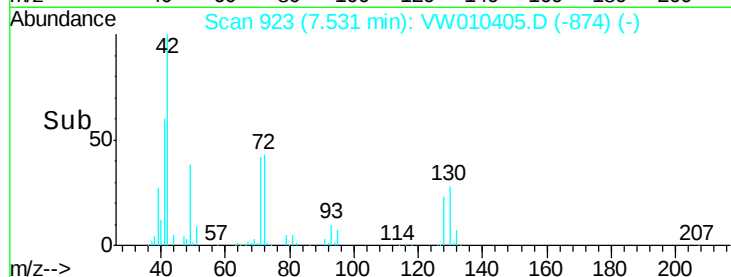
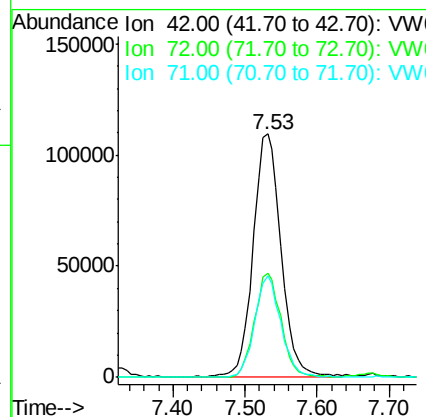
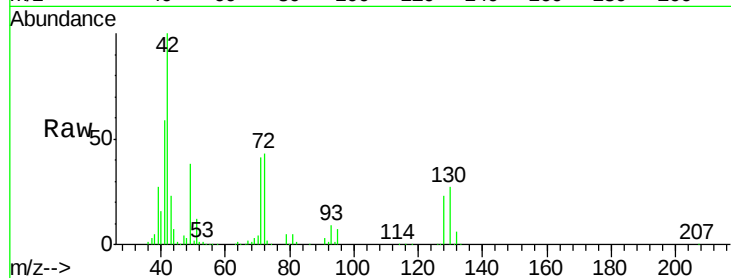
#29
Tetrahydrofuran
Concen: 85.755 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.0	46.6
71	39.0	29.7	44.5

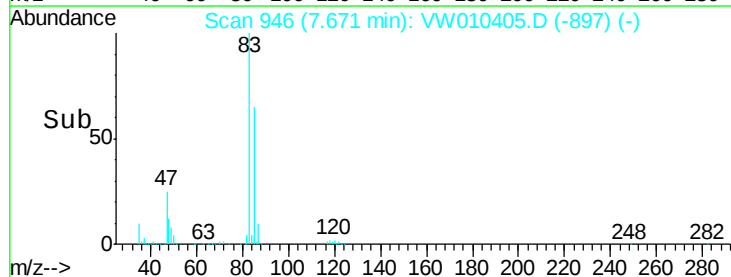
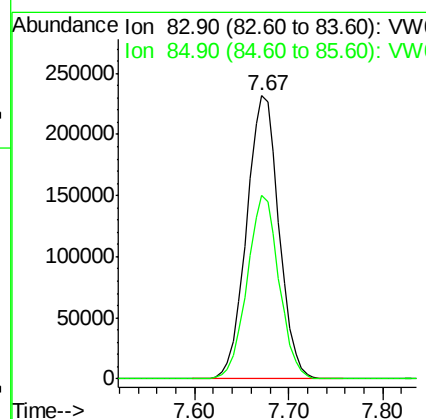
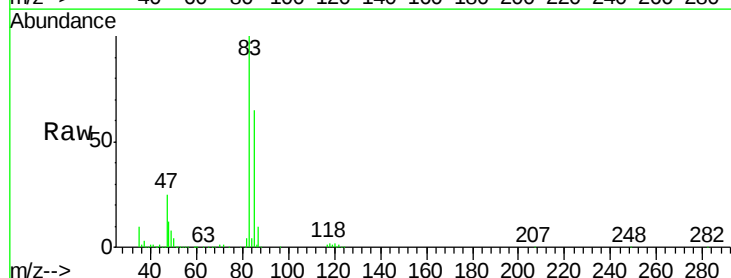
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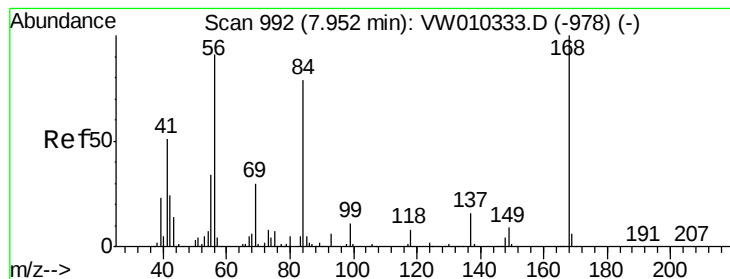
MMDadoda
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#30
Chloroform
Concen: 22.411 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





#31

Cyclohexane

Concen: 20.102 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

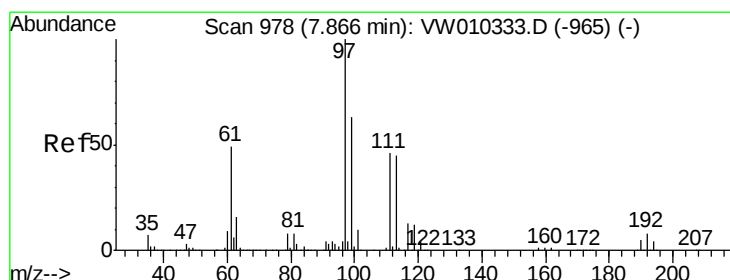
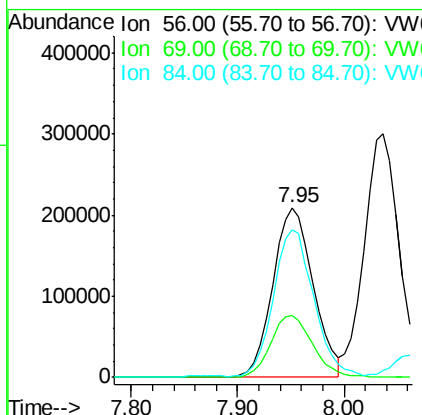
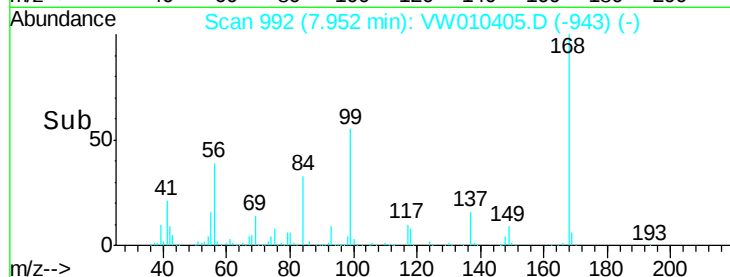
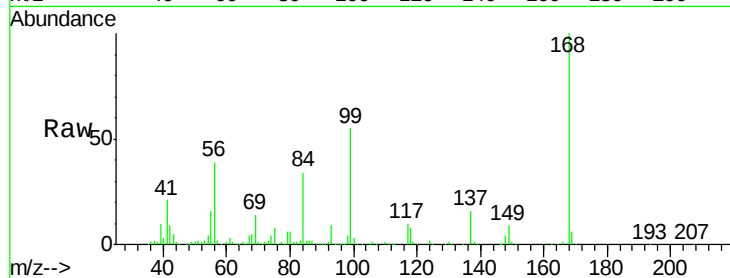
ClientSampleID :

VW0512SBSD01

Tot Ion	56	Resp	547897
Ion Ratio	Lower	Upper	
56	100		
69	36.8	26.6	40.0
84	85.9	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 21.372 ug/l

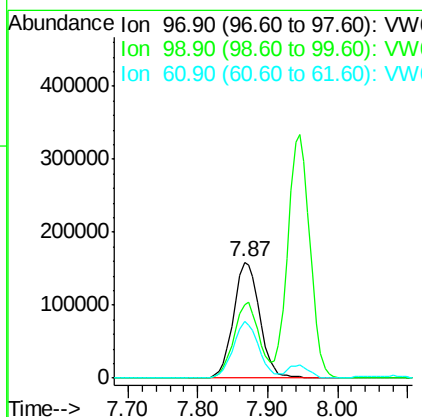
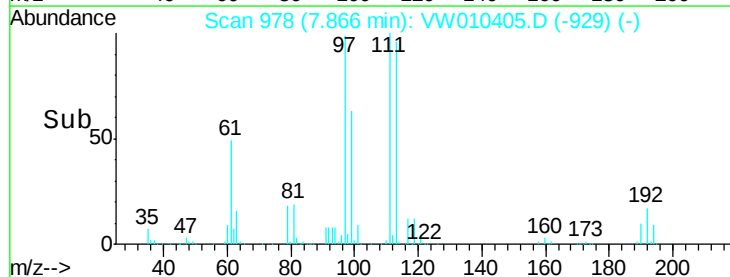
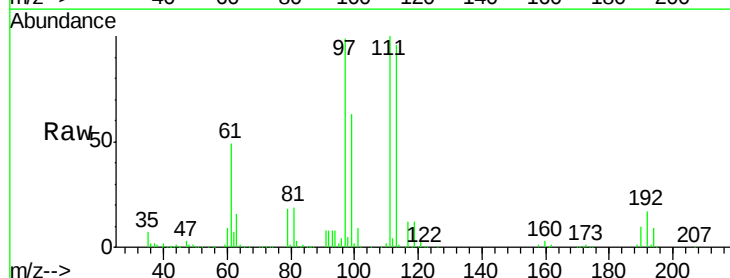
RT: 7.87 min Scan# 978

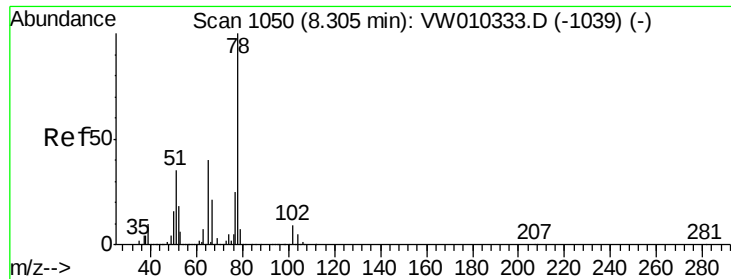
Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion	97	Resp	412404
Ion Ratio	Lower	Upper	
97	100		
99	62.6	50.2	75.2
61	47.6	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 51.421 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 65 Resp: 684229

Ion Ratio Lower Upper

65 100

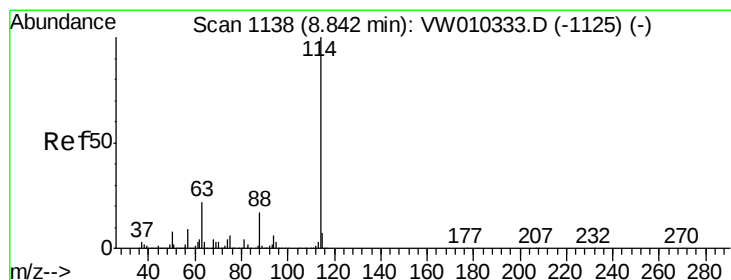
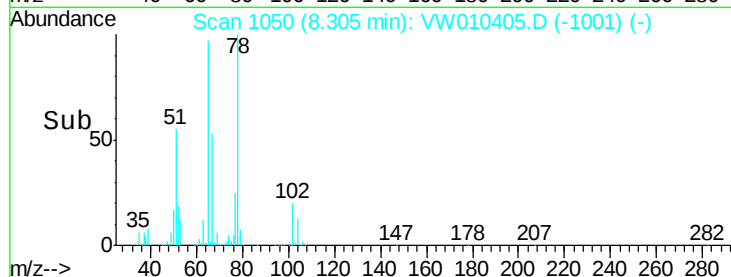
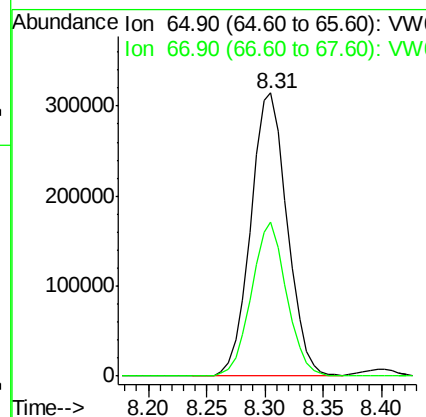
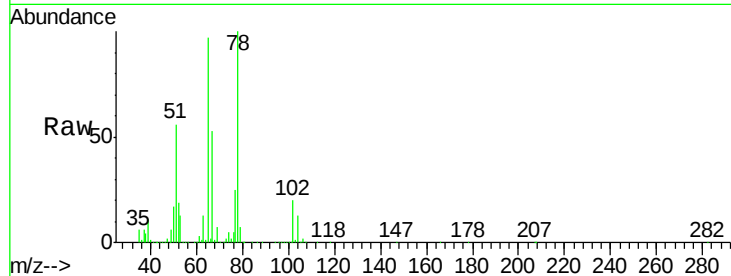
67 52.5 0.0 100.8

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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: VW010405.D

Acq: 12 May 2019 13:47

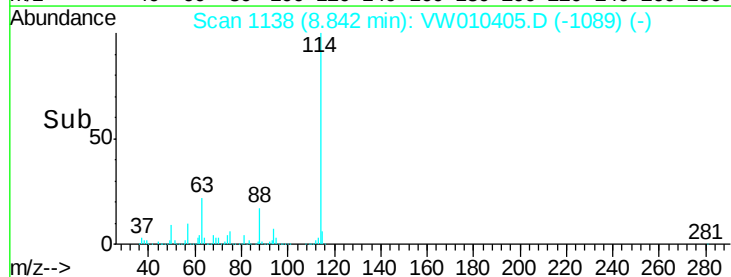
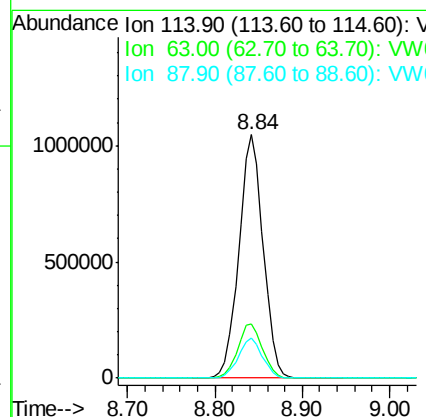
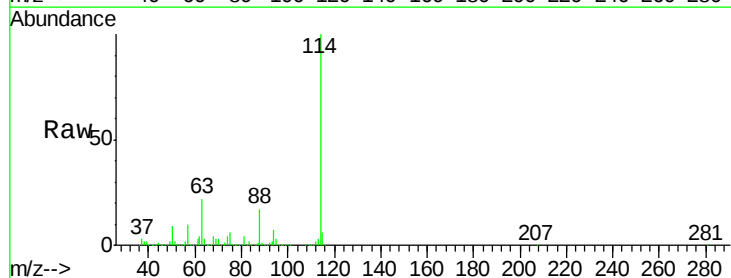
Tgt Ion: 114 Resp: 2009753

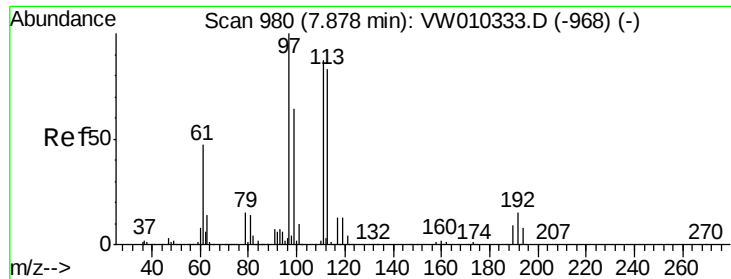
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.855 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

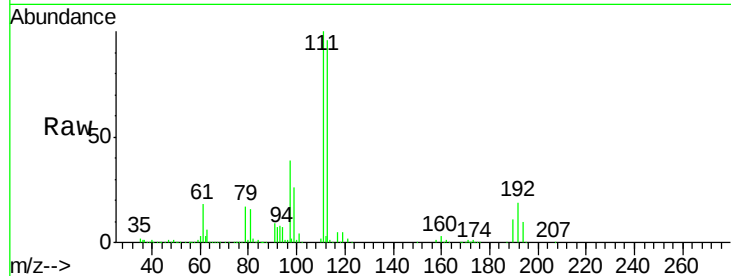
ClientSampled :

VW0512SBSD01

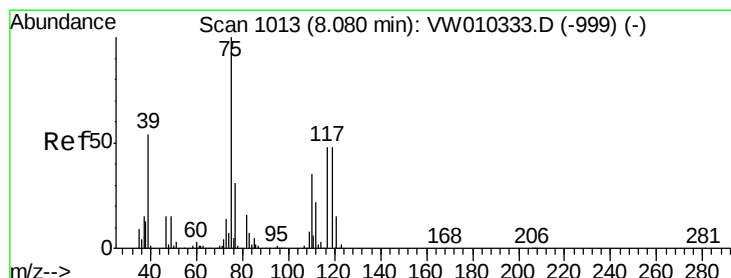
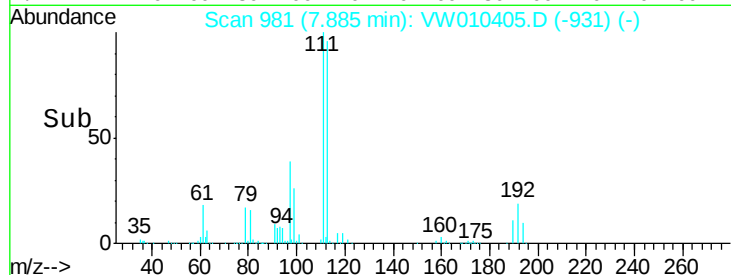
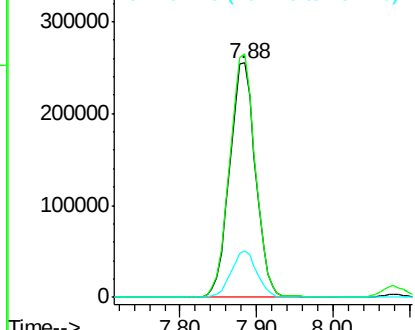
Tot Ion:	113	Resp:	598097
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.6	123.8
192	19.5	15.4	23.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.887 ug/l

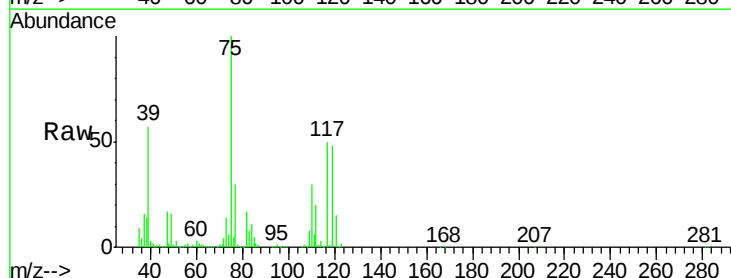
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

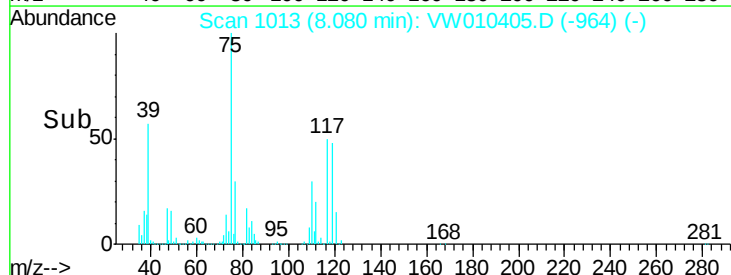
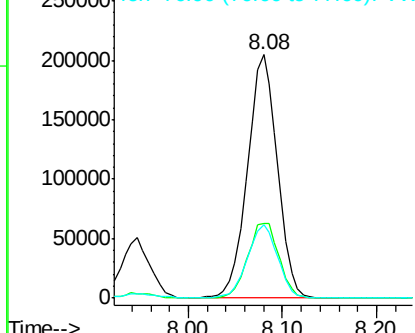
Lab File: VW010405.D

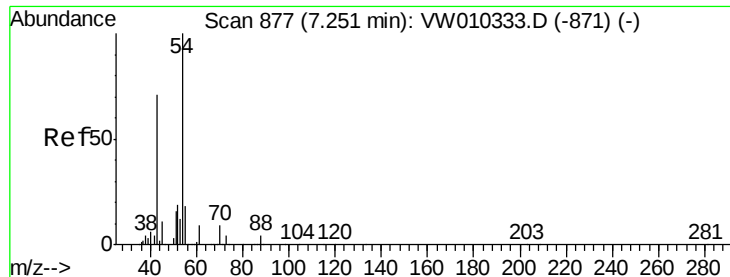
Acq: 12 May 2019 13:47

Tgt Ion:	75	Resp:	455150
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.6	49.8
77	30.7	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





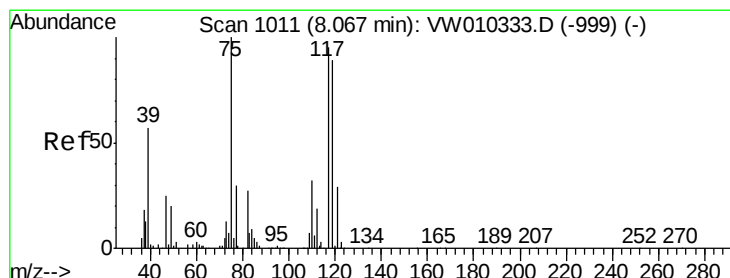
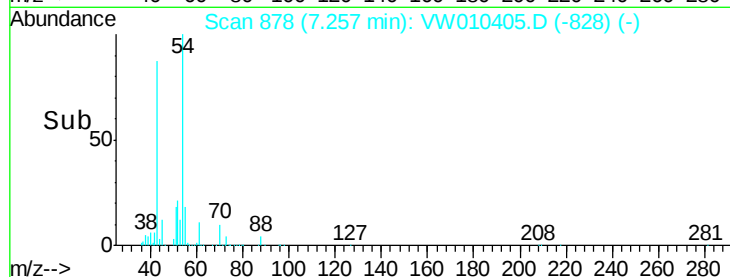
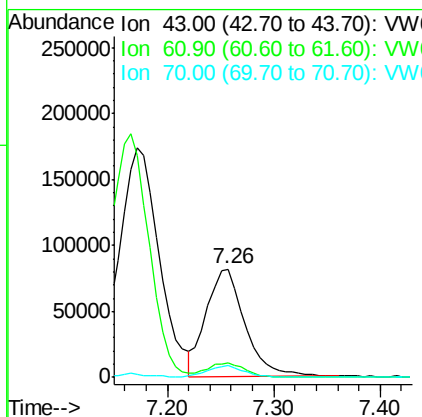
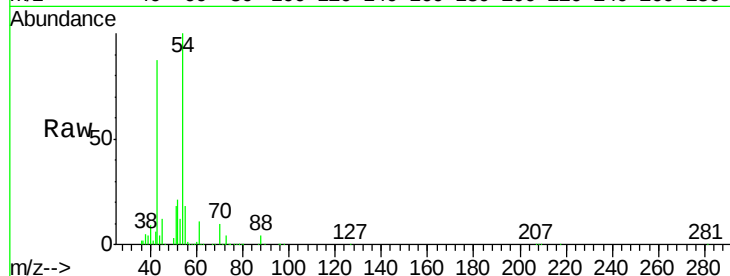
#37
Ethyl Acetate
Concen: 17.744 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleID :
VW0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	205870		
61	12.7		9.8	14.8
70	10.6		7.4	11.0

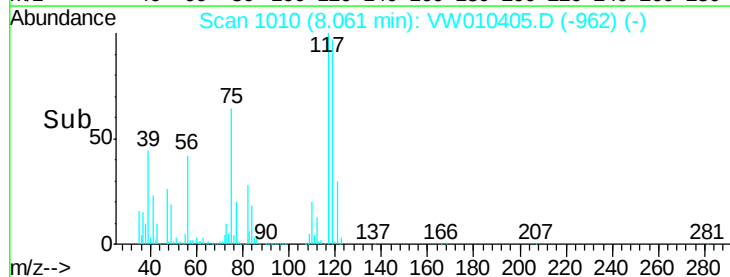
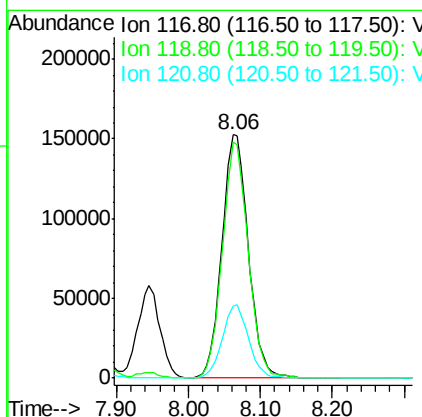
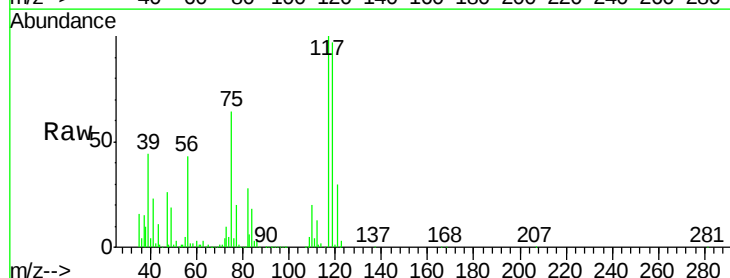
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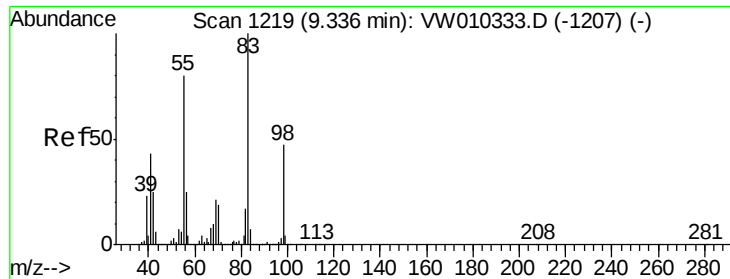
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.881 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	390054		
119	96.7		75.3	112.9
121	29.6		24.4	36.6





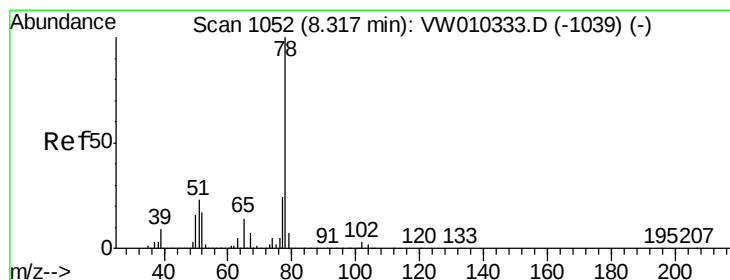
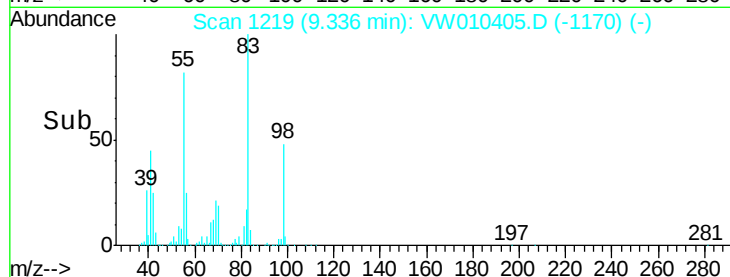
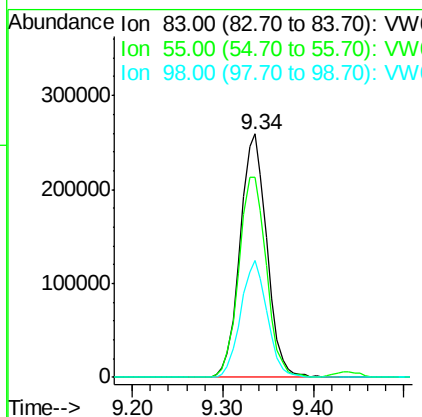
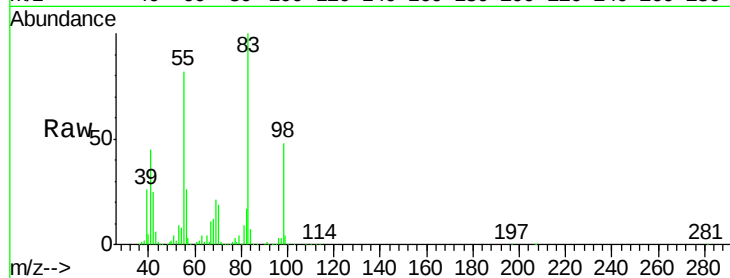
#39
Methvlcvclohexane
Concen: 19.883 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	67.1	100.7
98	47.9	39.2	58.8

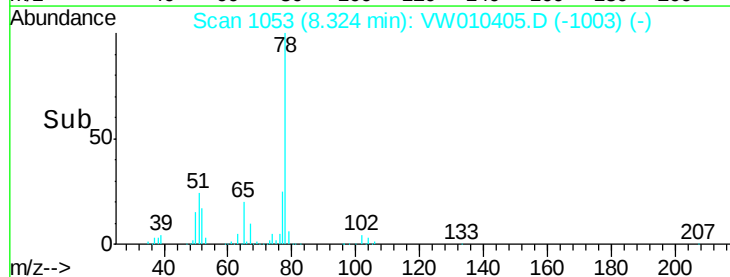
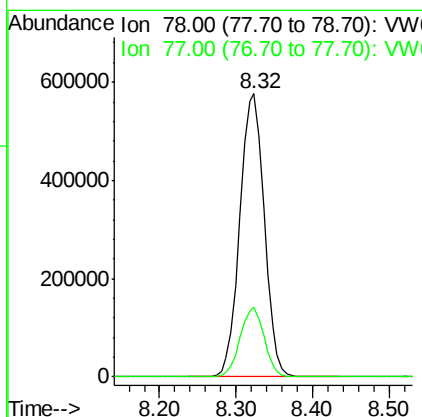
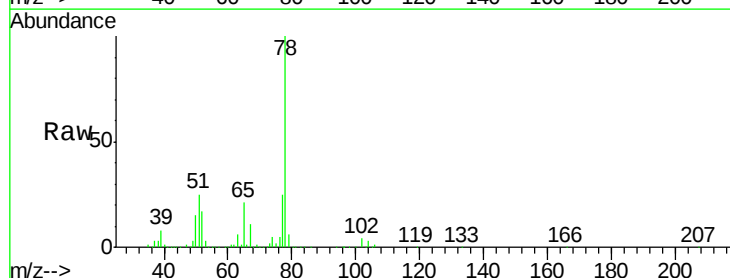
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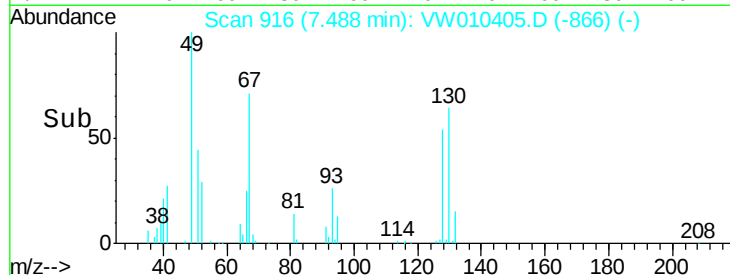
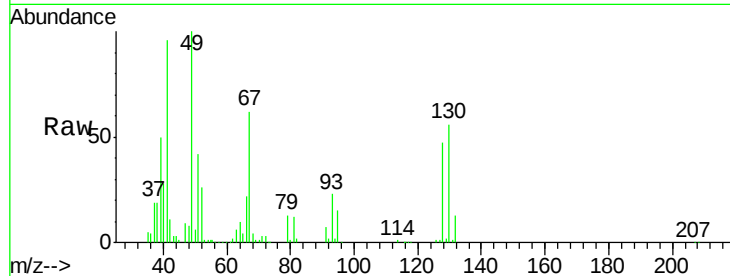
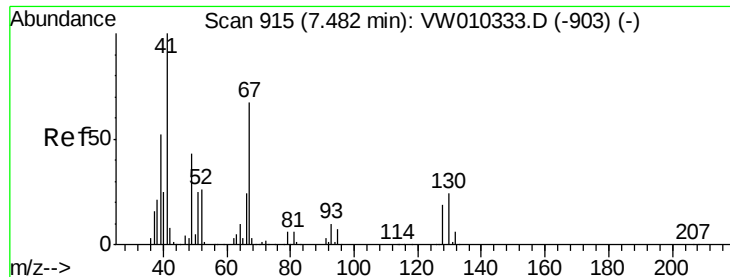
MMDadoda
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#40
Benzene
Concen: 21.398 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





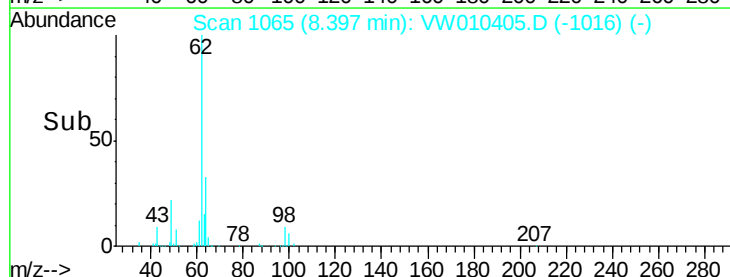
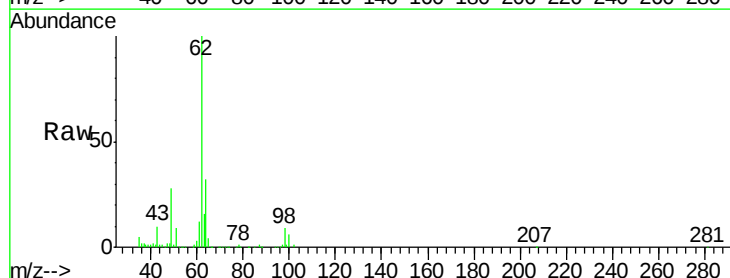
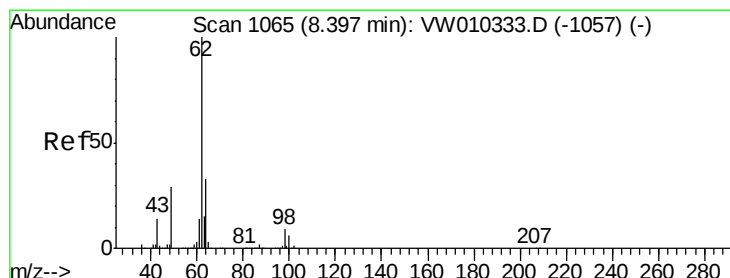
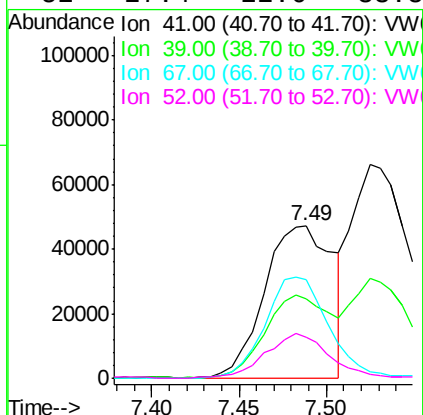
#41
Methacrylonitrile
Concen: 19.664 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		127950		
39	52.4	45.0	67.4		
67	63.2	50.7	76.1		
52	27.4	22.6	33.8		

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBS01

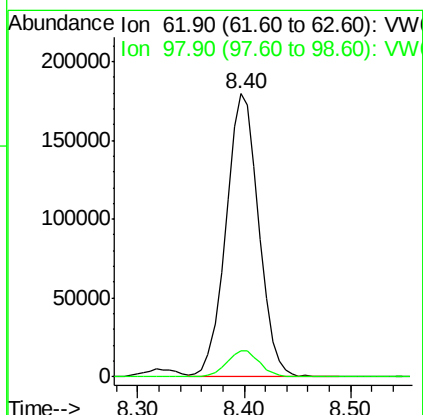
Manual Integrations
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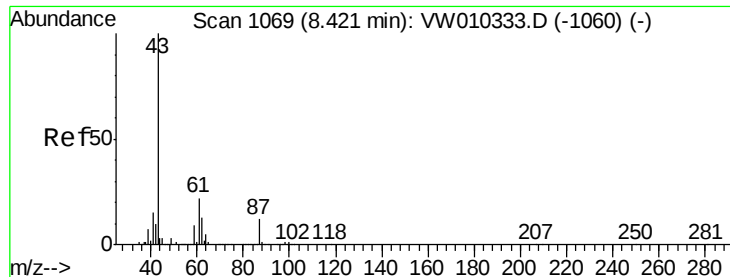
MMDadoda
5/13/2019 12:27:21 PM



#42
1,2-Dichloroethane
Concen: 22.544 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		385094		
98	9.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 18.698 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

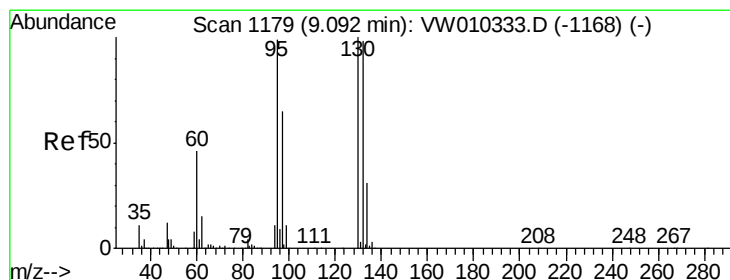
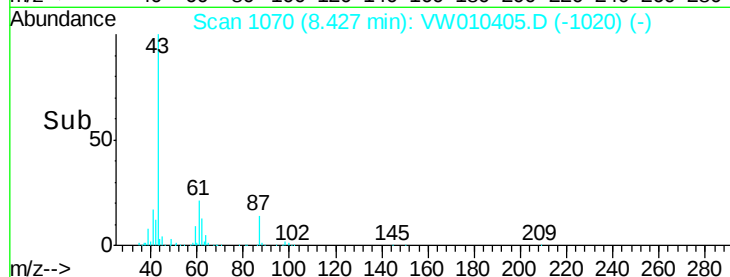
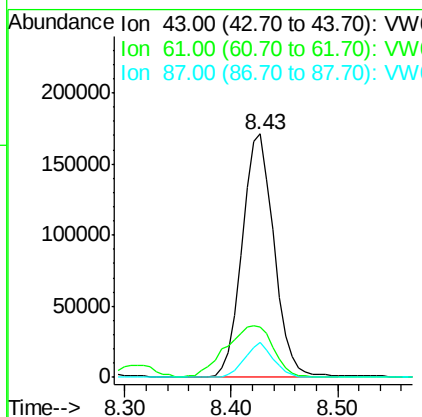
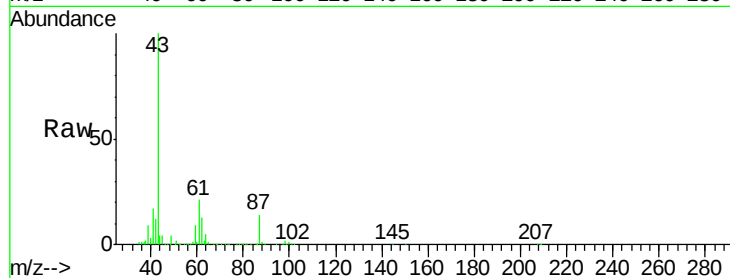
ClientSampleId :

VW0512SBS01

Tot Ion:	43	Resp:	359791
Ion	Ratio	Lower	Upper
43	100		
61	31.6	23.0	34.6
87	12.9	9.3	13.9

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#44

Trichloroethene

Concen: 20.619 ug/l

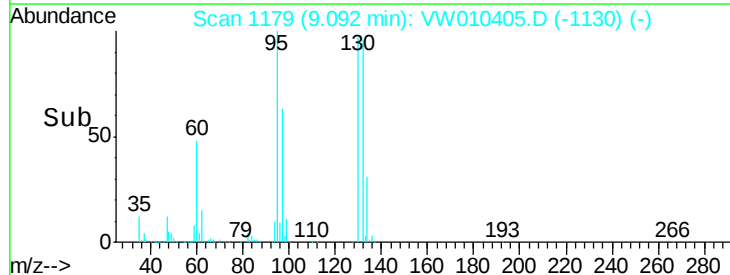
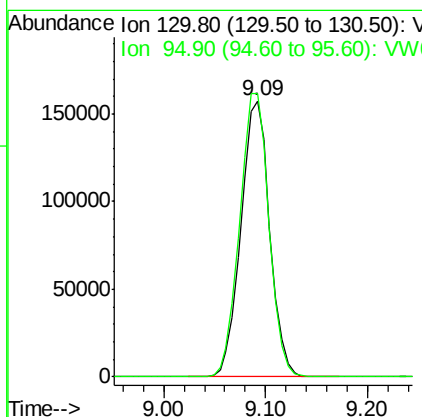
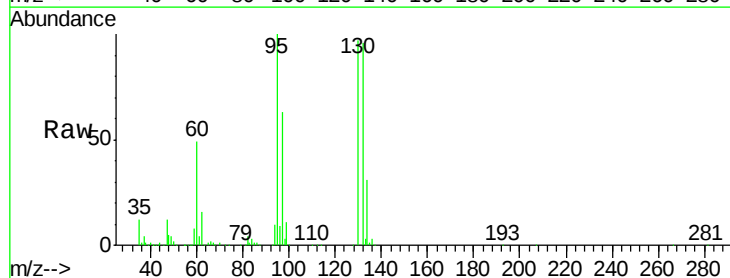
RT: 9.09 min Scan# 1179

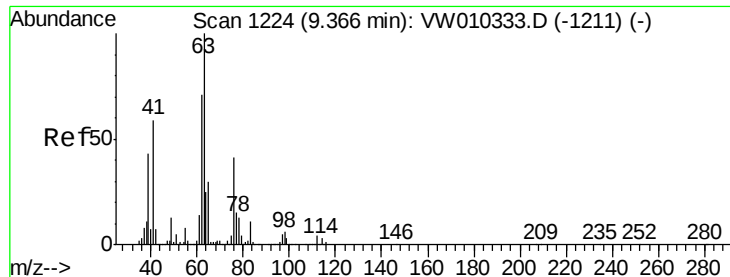
Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion:	130	Resp:	308062
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	205.4





#45

1,2-Dichloropropane

Concen: 22.110 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

VW0512SBSD01

Tot Ion: 63 Resp: 327987

Ion Ratio Lower Upper

63 100

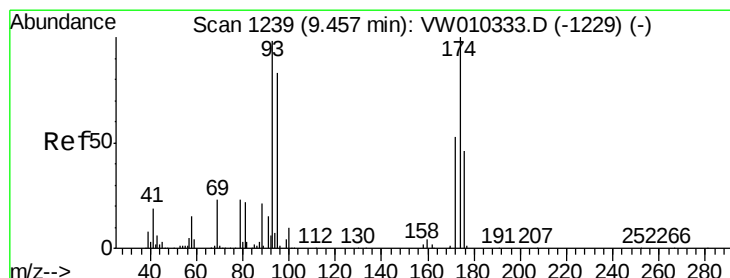
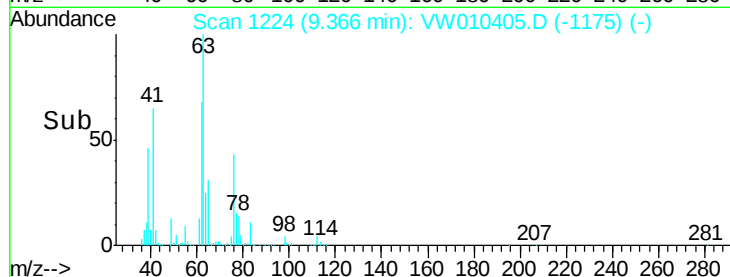
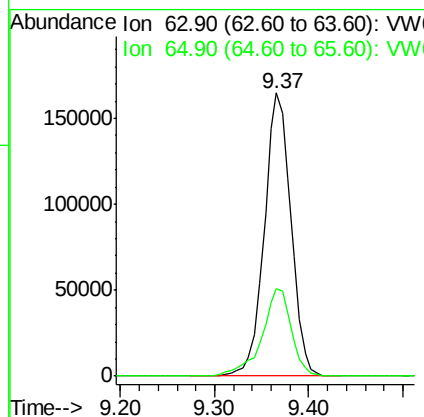
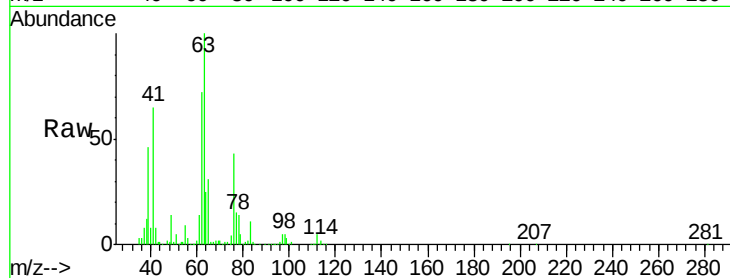
65 30.9 23.8 35.6

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#46

Dibromomethane

Concen: 21.388 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

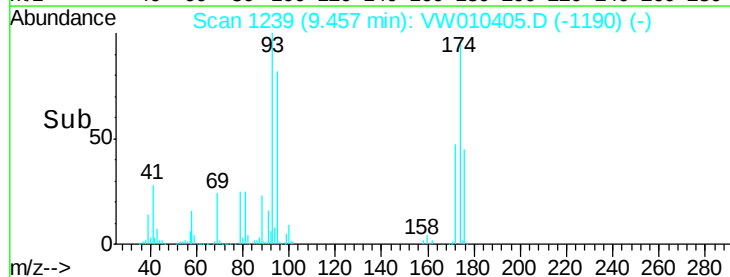
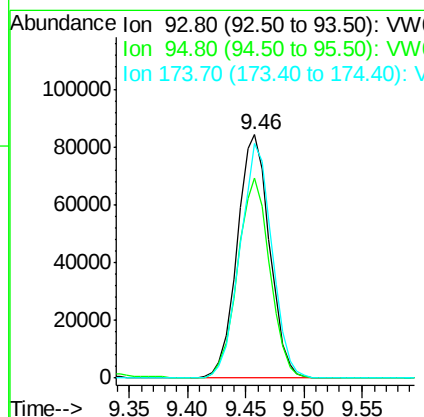
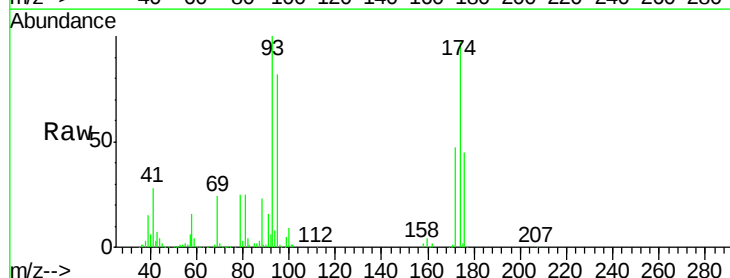
Tgt Ion: 93 Resp: 163910

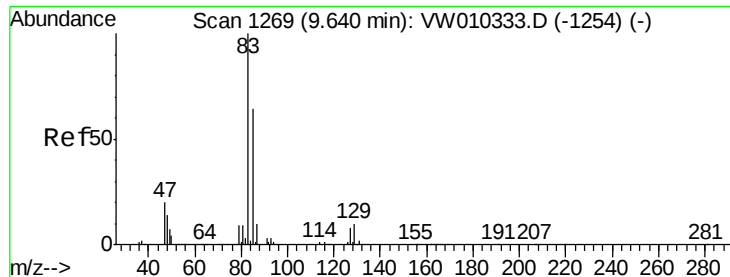
Ion Ratio Lower Upper

93 100

95 81.7 65.8 98.8

174 95.5 75.5 113.3





#47

Bromodichloromethane

Concen: 22.220 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

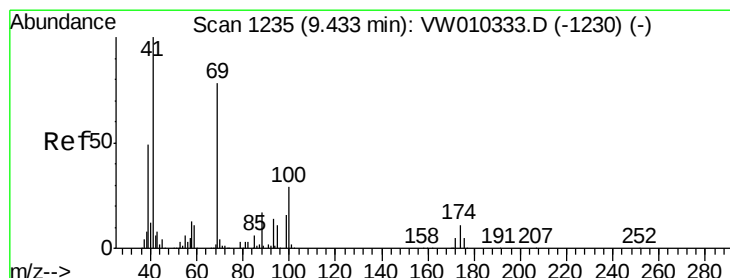
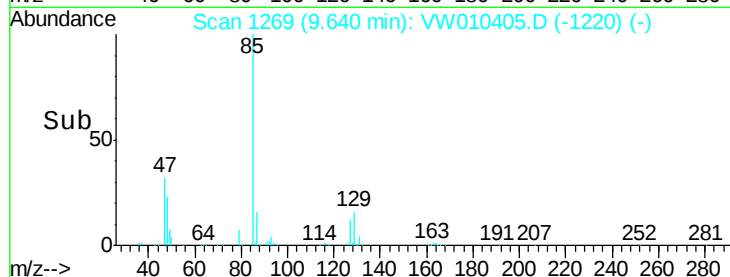
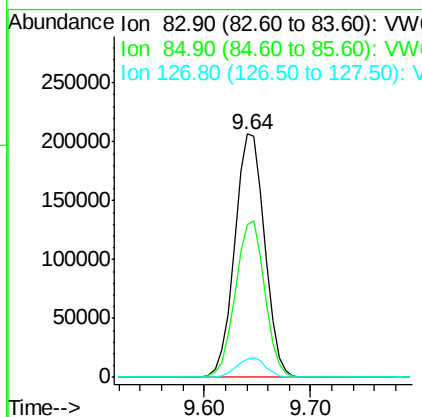
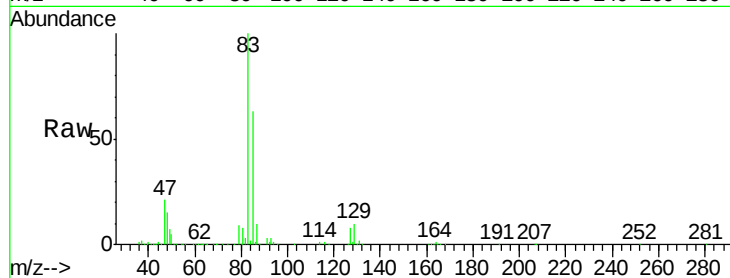
ClientSampleId :

VW0512SBSD01

Tot Ion:	83	Resp:	408475
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.6	75.8
127	7.7	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.129 ug/l

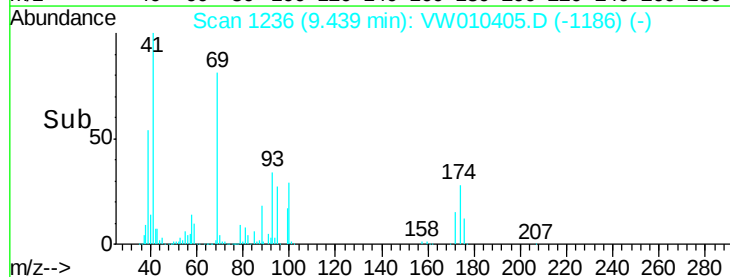
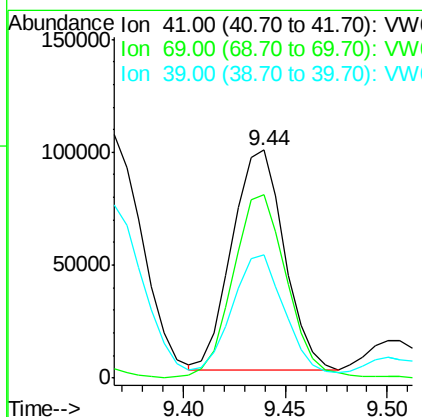
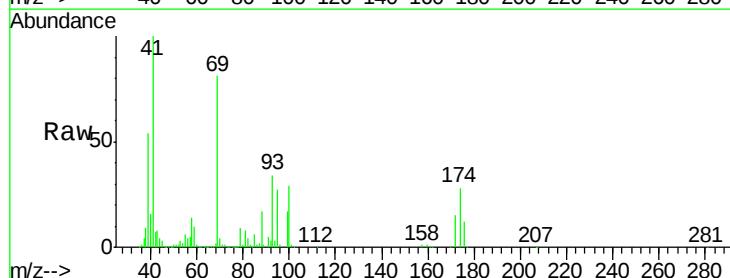
RT: 9.44 min Scan# 1236

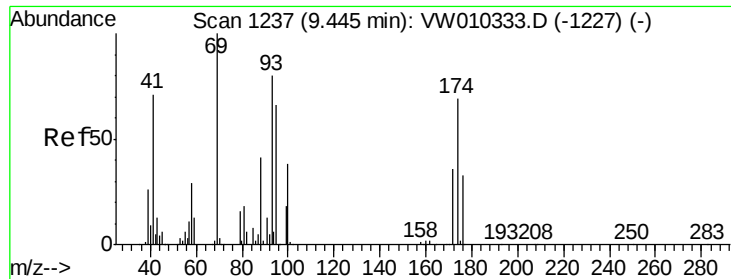
Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion:	41	Resp:	174042
Ion Ratio	Lower	Upper	
41	100		
69	85.3	60.1	90.1
39	52.5	51.0	76.6





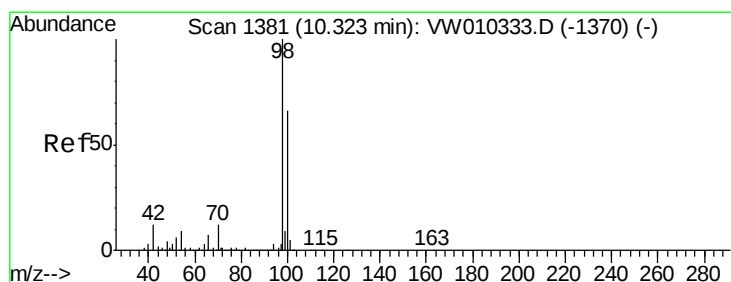
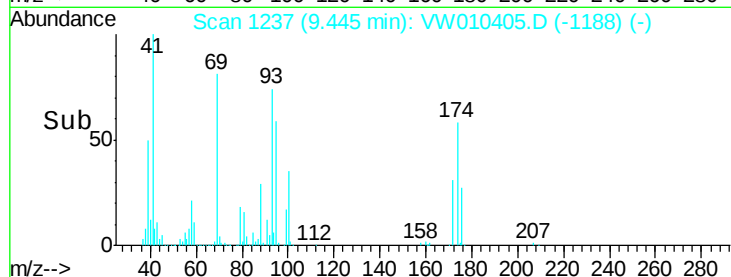
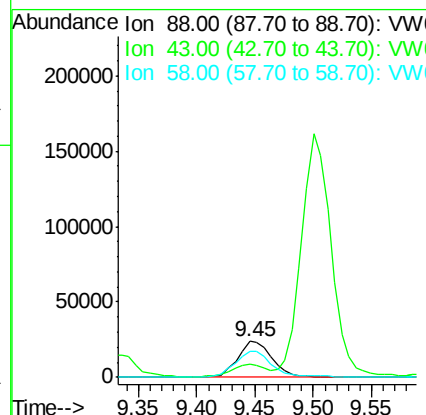
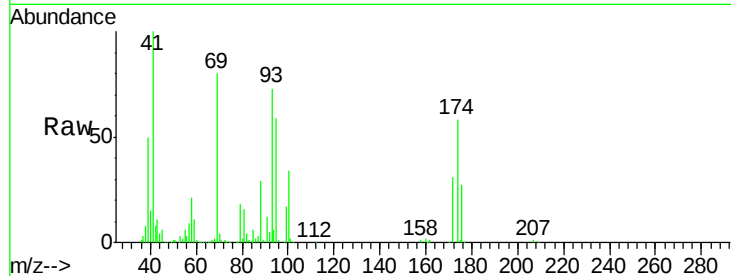
#49
1,4-Dioxane
Concen: 368.670 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	88	Resp	49271
Ion	Ratio	Lower	Upper
88	100		
43	33.7	31.9	47.9
58	76.9	61.8	92.6

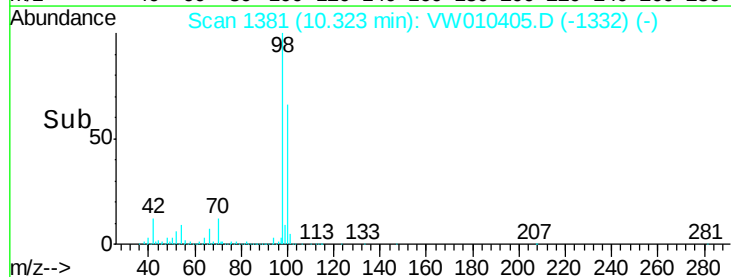
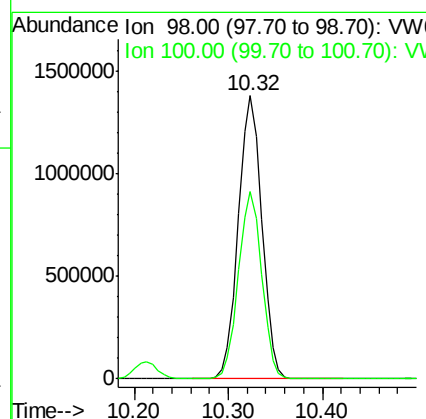
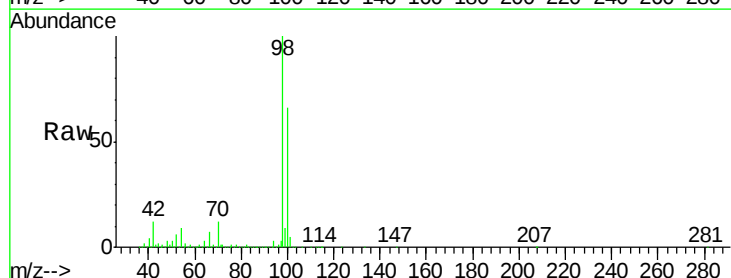
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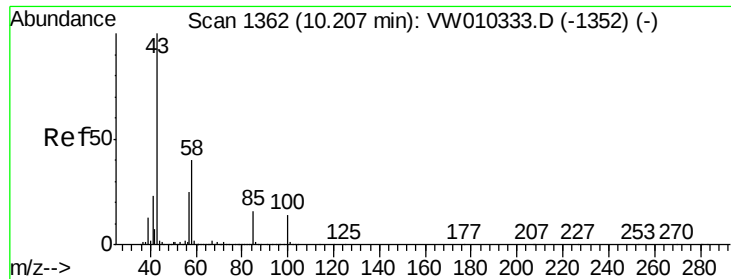
MMDadoda
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#50
Toluene-d8
Concen: 50.112 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	98	Resp	2399884
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 92.202 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBS01

Tot Ion: 43 Resp: 1017330

Ion Ratio Lower Upper

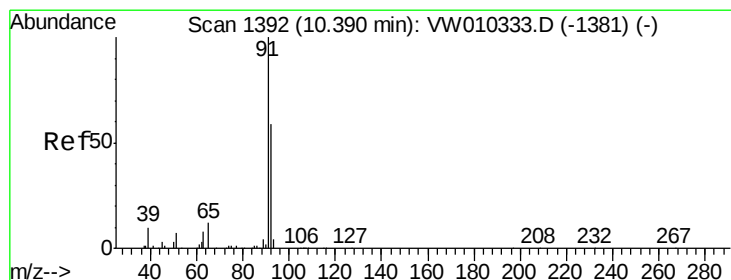
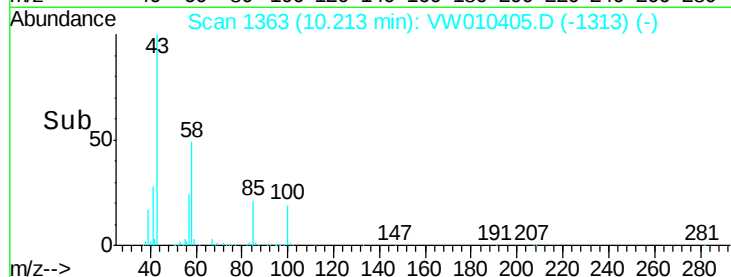
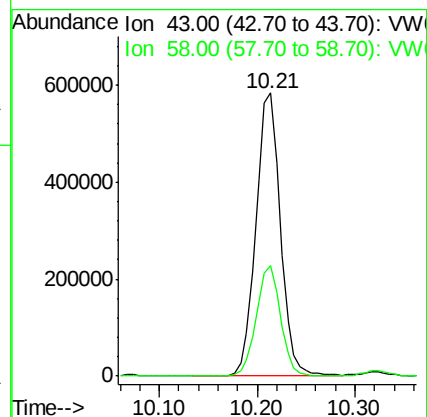
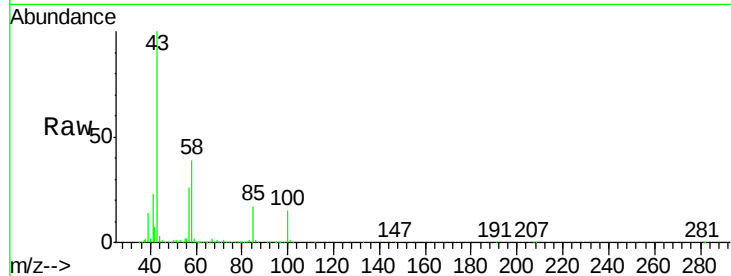
43 100

58 38.7 28.9 43.3

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#52

Toluene

Concen: 21.752 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010405.D

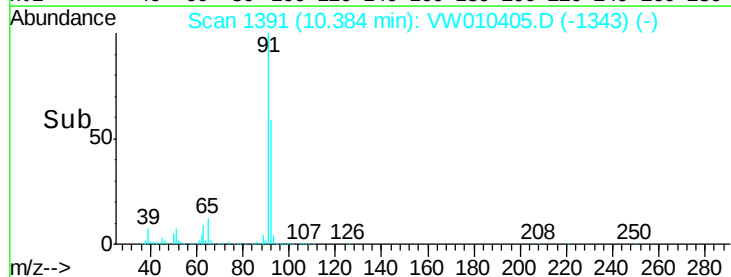
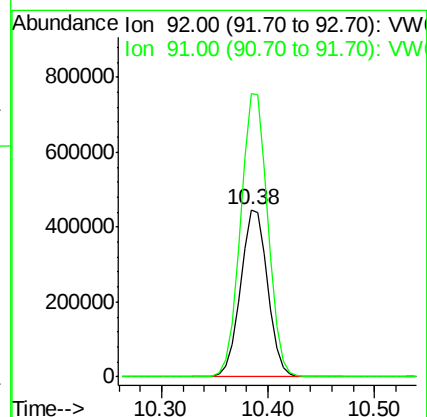
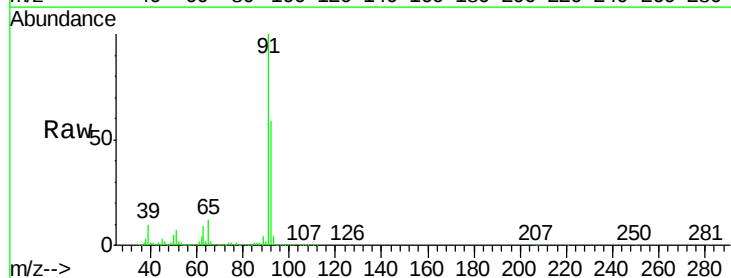
Acq: 12 May 2019 13:47

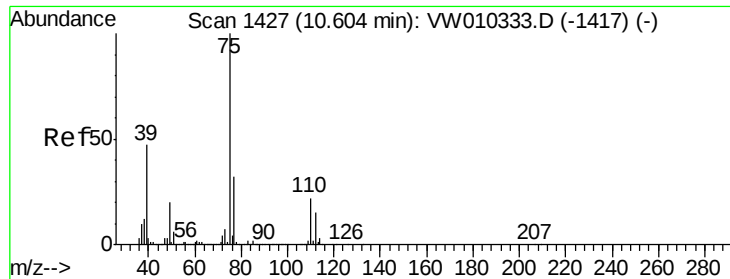
Tgt Ion: 92 Resp: 793420

Ion Ratio Lower Upper

92 100

91 171.4 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 21.413 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion: 75 Resp: 398729

Ion Ratio Lower Upper

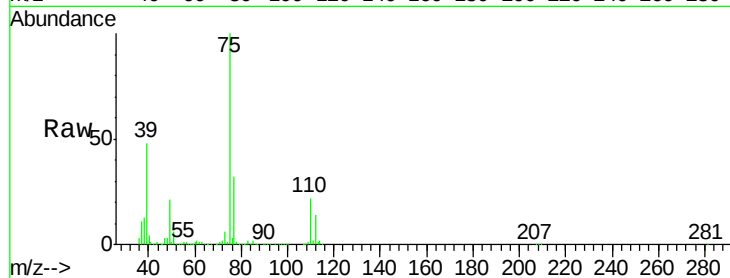
75 100

77 31.5 26.9 40.3

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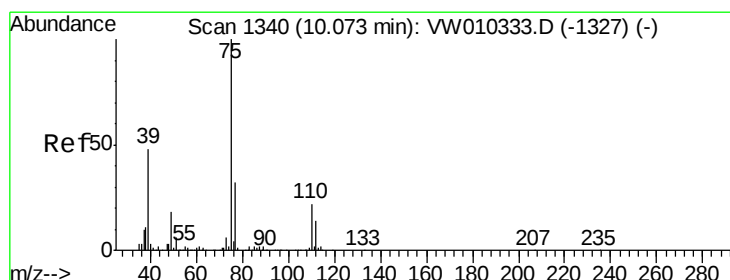
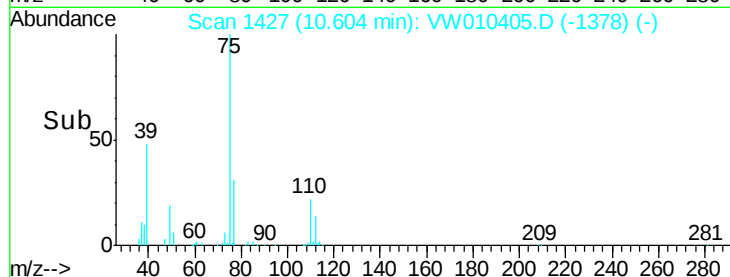
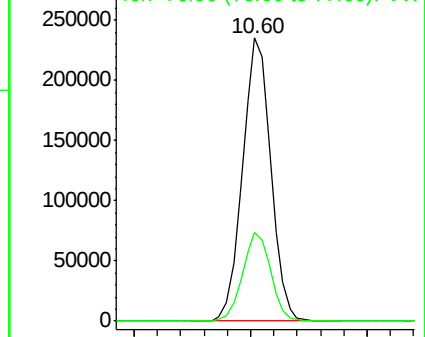
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.581 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

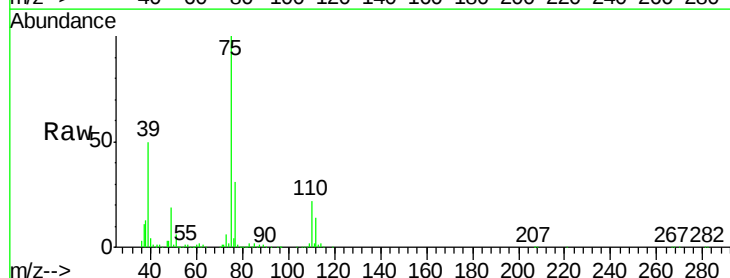
Tgt Ion: 75 Resp: 475918

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

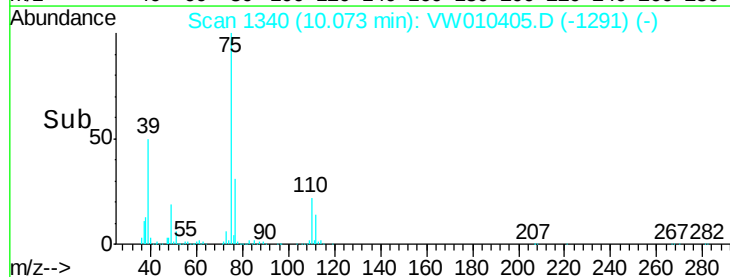
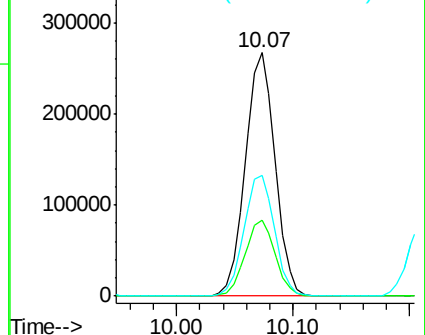
39 49.6 47.8 71.6

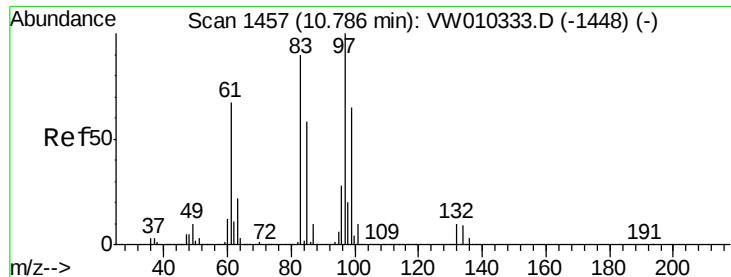


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





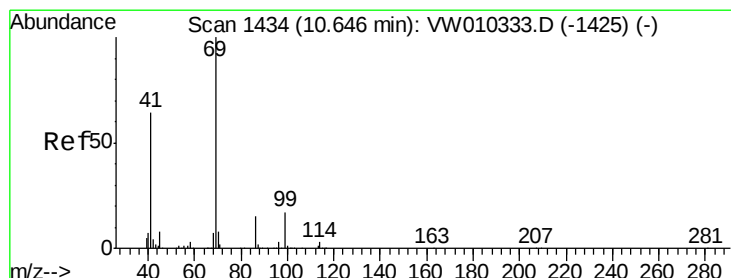
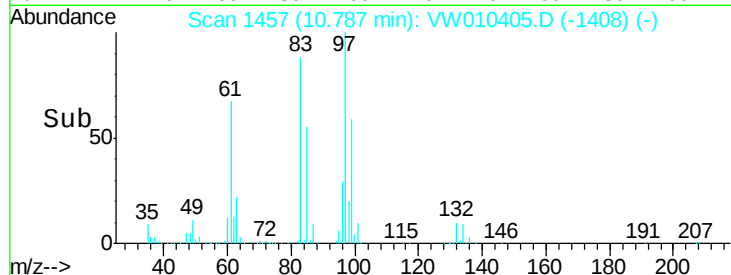
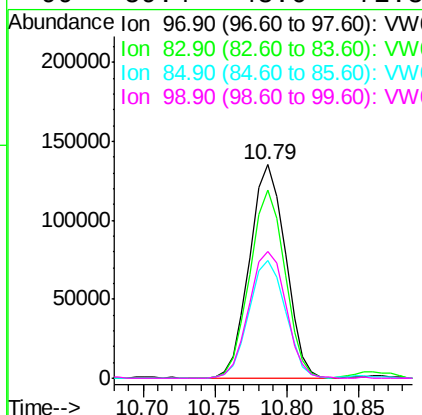
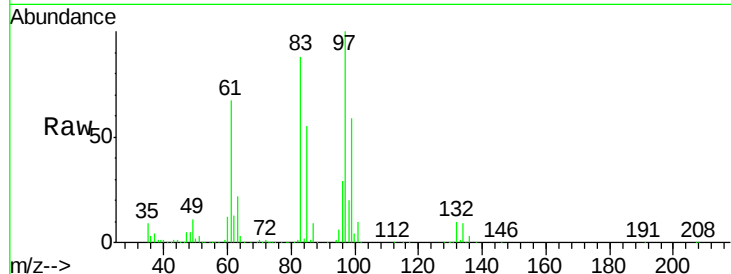
#55
 1,1,2-Trichloroethane
 Concen: 21.589 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		234996		
83	88.0	68.9	103.3		
85	54.9	42.9	64.3		
99	59.4	48.6	72.8		

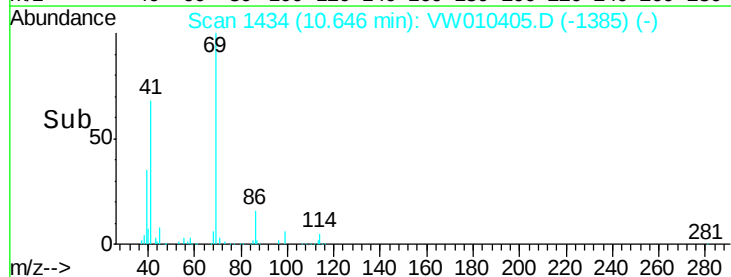
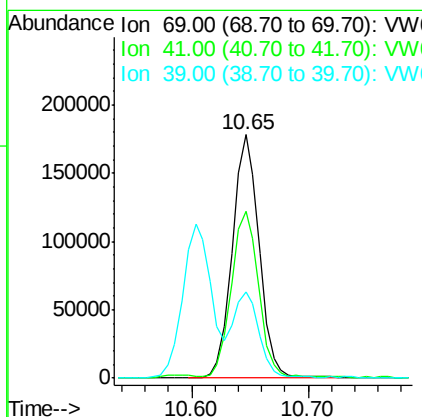
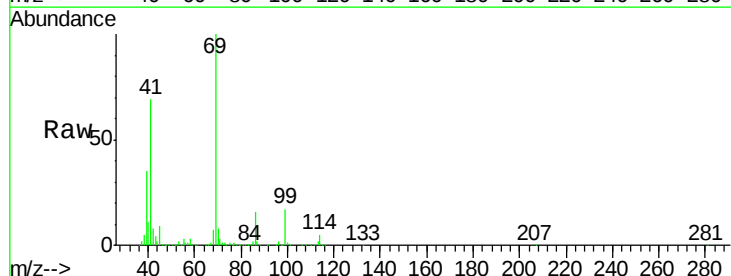
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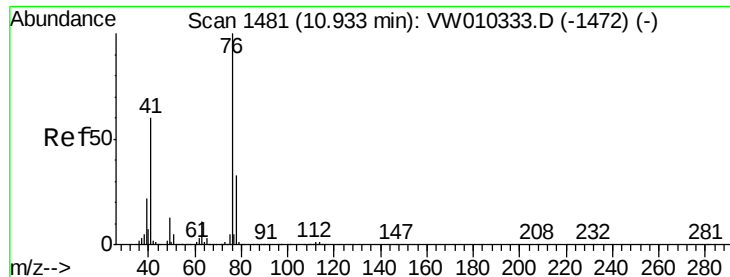
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#56
 Ethyl methacrylate
 Concen: 19.829 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		285023		
41	69.4	61.0	91.6		
39	33.7	33.8	50.6#		





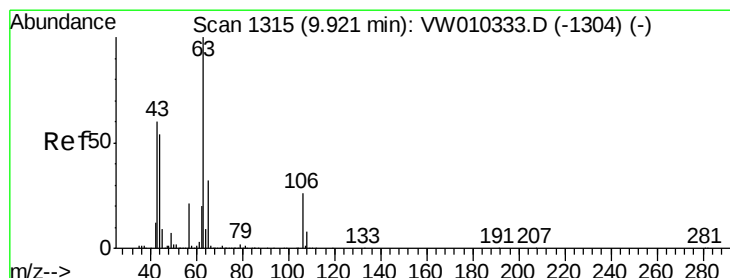
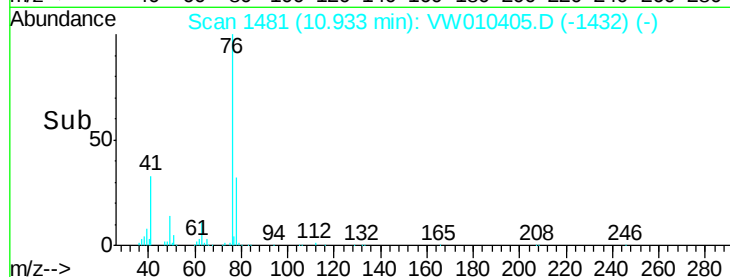
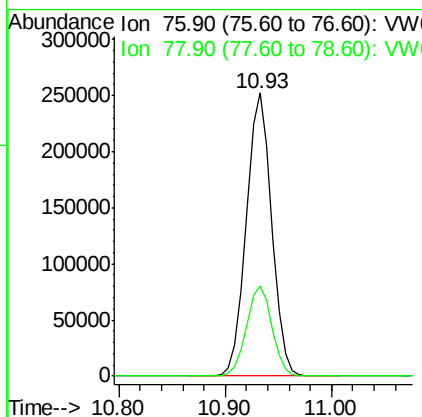
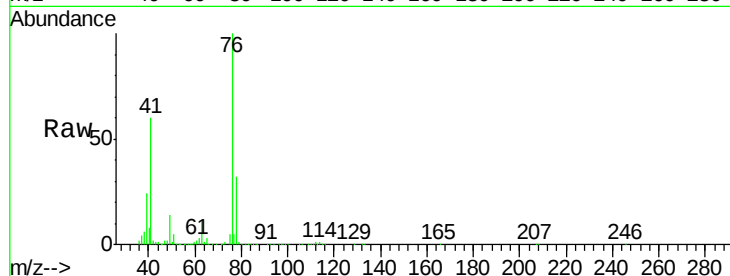
#57
 1,3-Dichloropropane
 Concen: 21.701 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion: 76 Resp: 422268
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

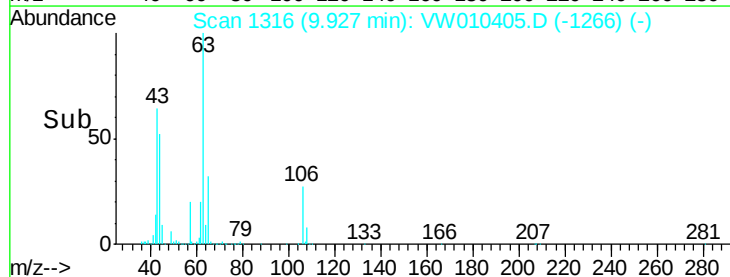
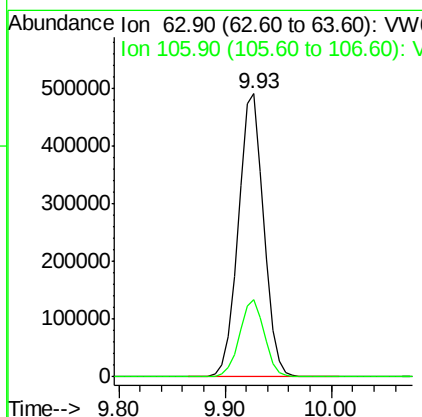
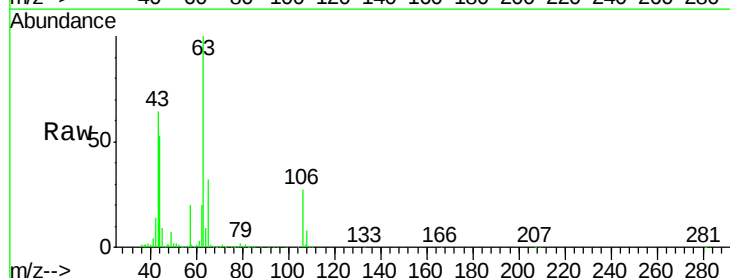
Manual Integrations
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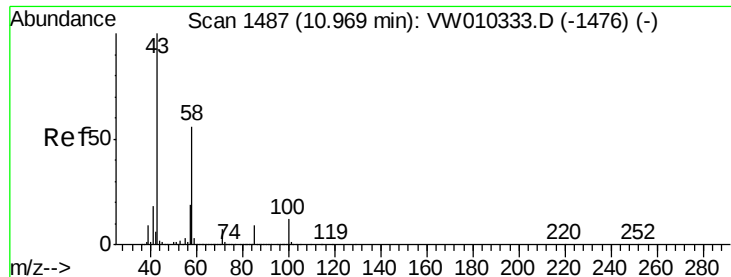
MMDadoda
 5/13/2019 12:27:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.134 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion: 63 Resp: 819871
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.4 32.0





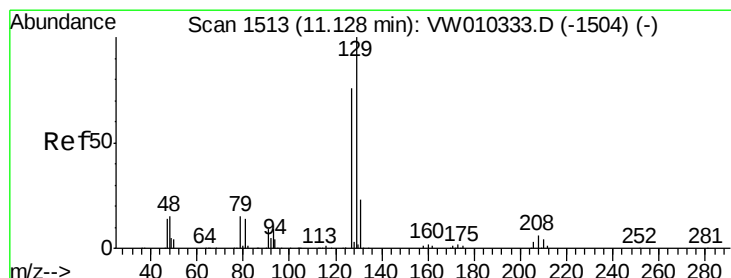
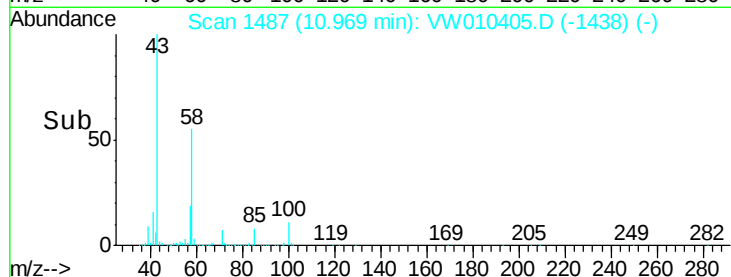
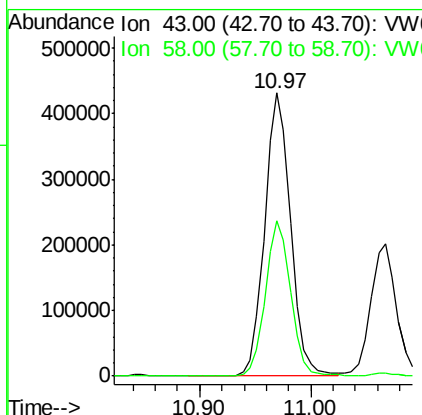
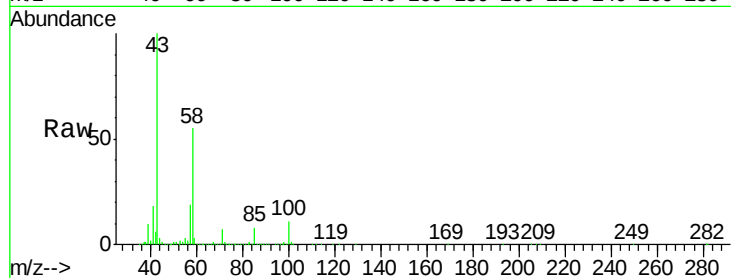
#59
2-Hexanone
Concen: 89.819 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion: 43 Resp: 700695
Ion Ratio Lower Upper
43 100
58 53.7 24.9 74.7

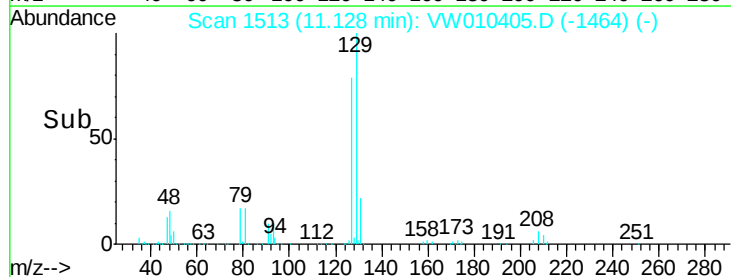
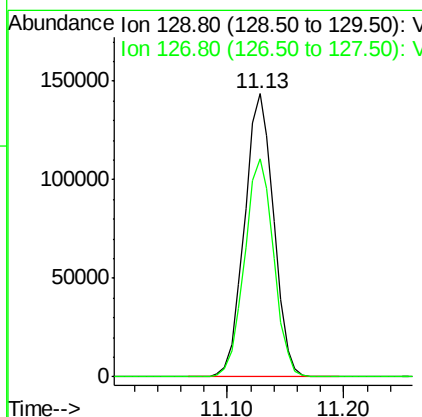
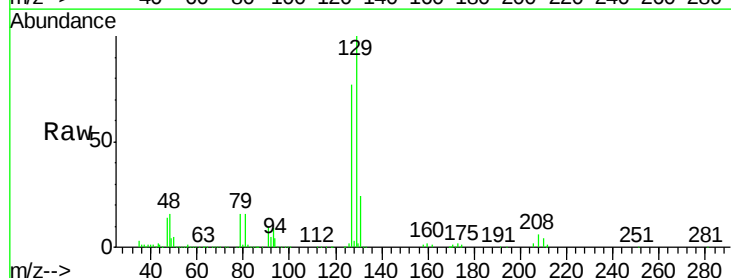
Manual Integrations
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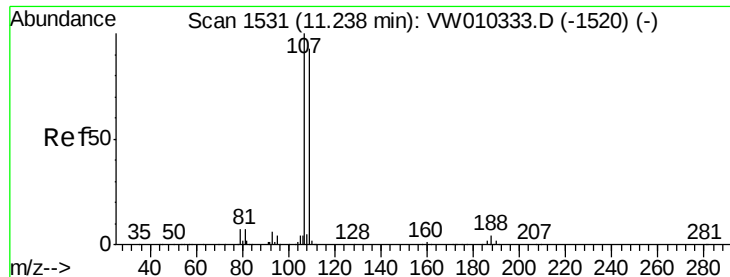
MMDadoda
5/13/2019 12:27:21 PM



#60
Dibromochloromethane
Concen: 21.453 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 129 Resp: 251274
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





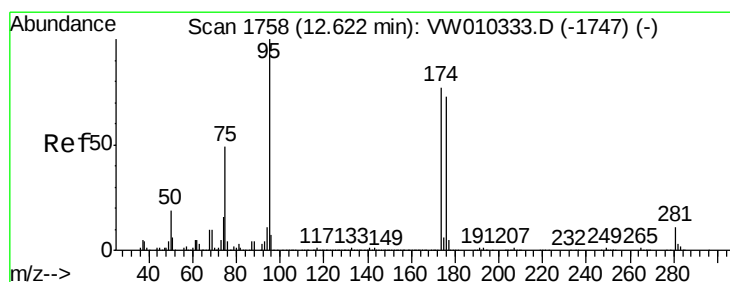
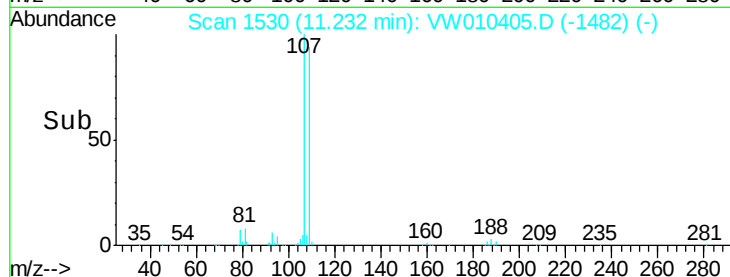
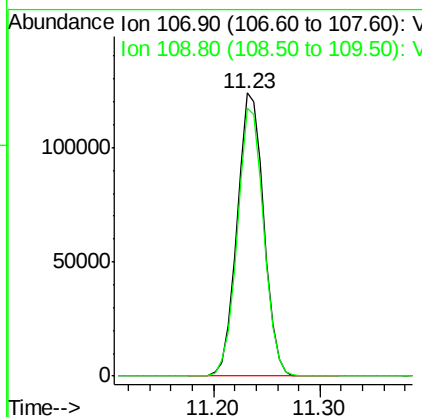
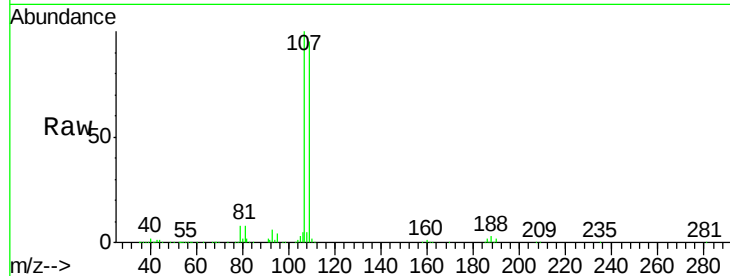
#61
 1,2-Dibromoethane
 Concen: 20.812 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.6	110.4

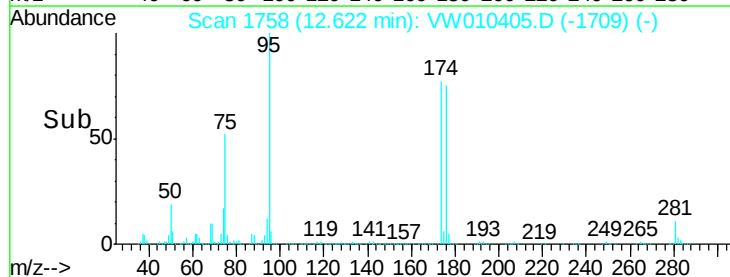
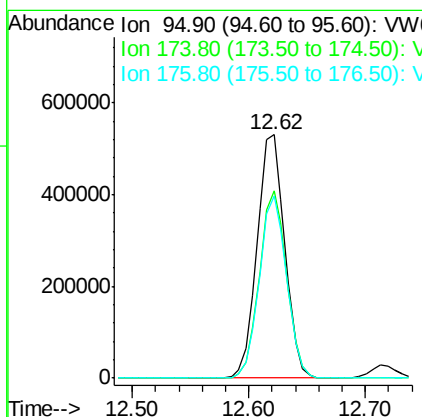
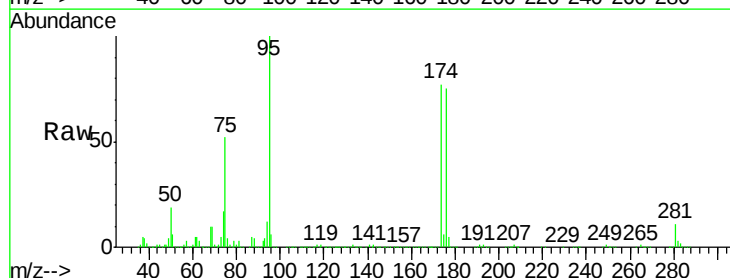
Manual Integrations
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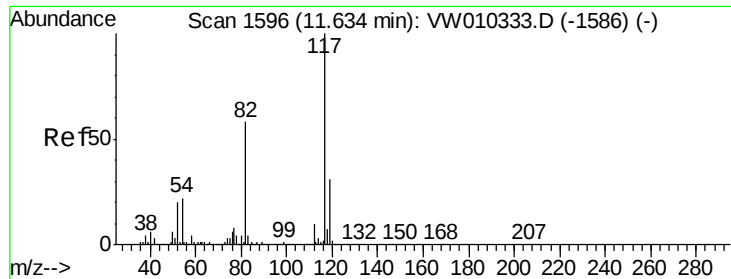
MMDadoda
 5/13/2019 12:27:21 PM



#62
 4-Bromofluorobenzene
 Concen: 51.852 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	151.4
176	73.5	0.0	146.2





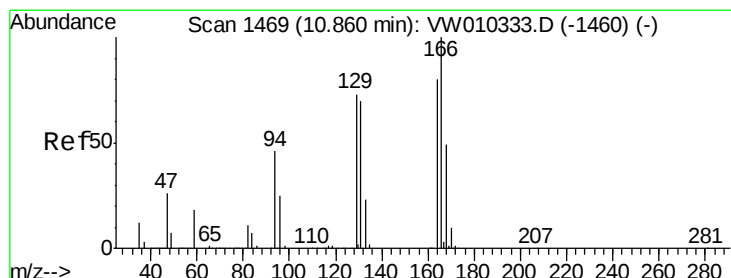
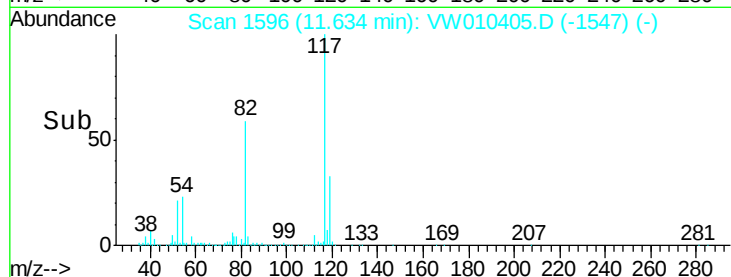
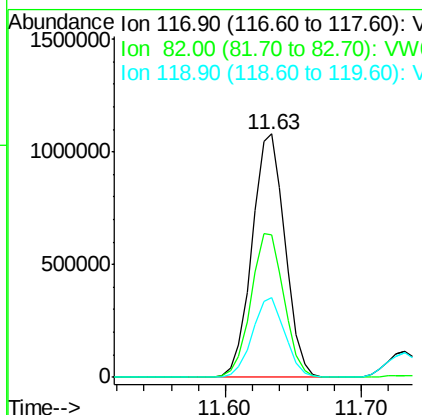
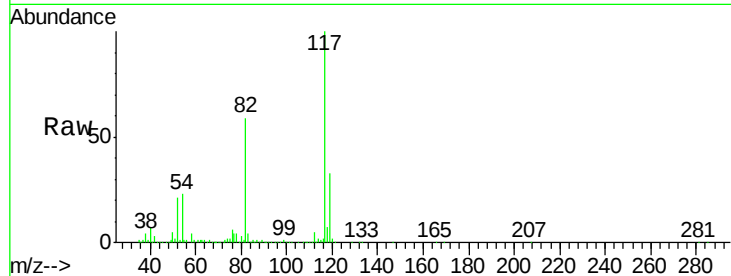
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.2	67.8
119	32.7	25.4	38.2

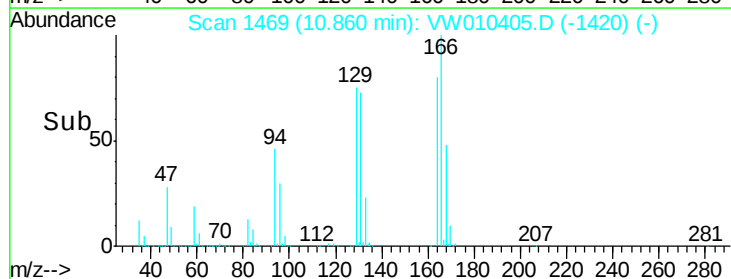
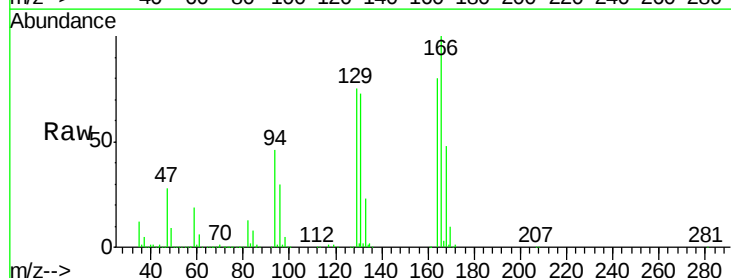
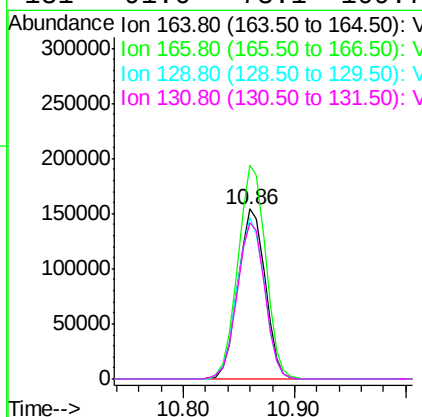
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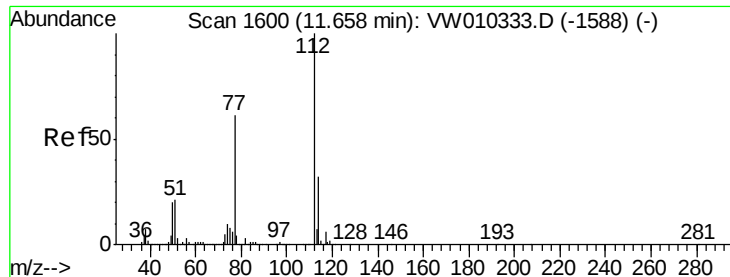
MMDadoda
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#64
Tetrachloroethene
Concen: 20.472 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.2	151.8
129	94.8	77.8	116.6
131	91.6	73.1	109.7





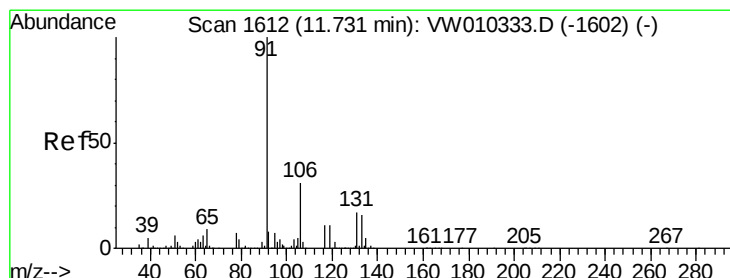
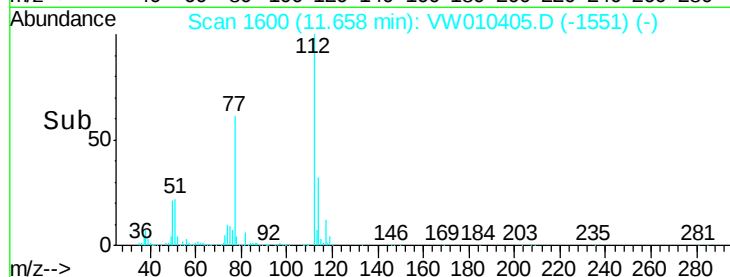
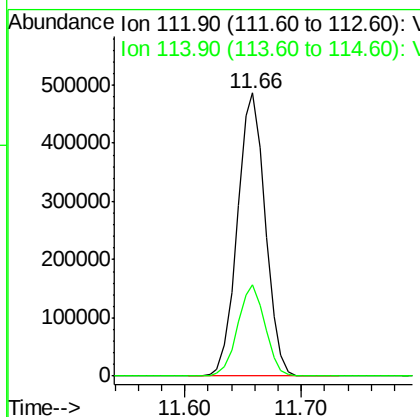
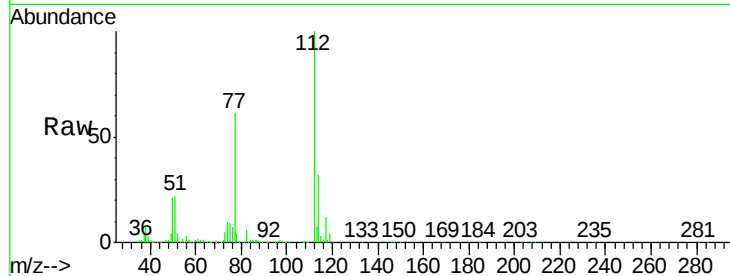
#65
Chlorobenzene
Concen: 21.375 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion:112 Resp: 812540
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7

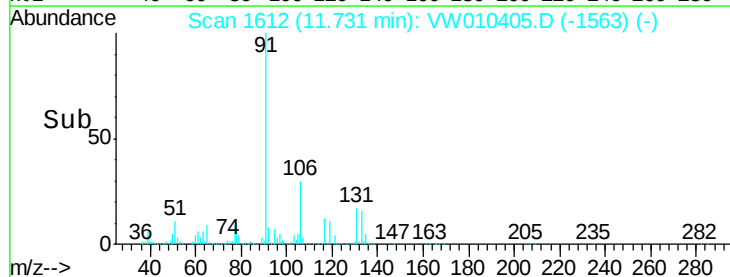
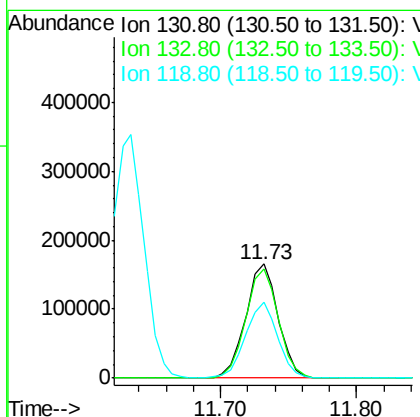
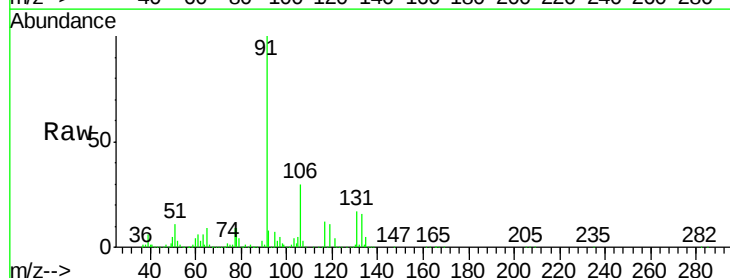
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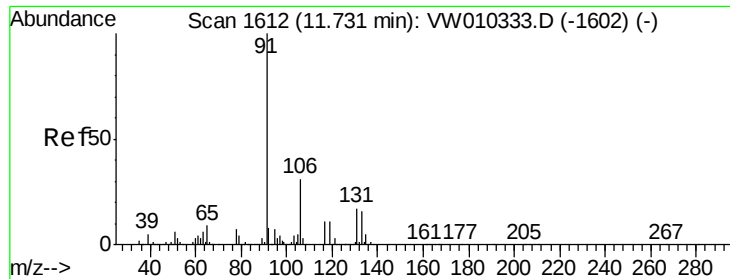
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.450 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion:131 Resp: 275590
Ion Ratio Lower Upper
131 100
133 96.2 46.5 139.5
119 66.0 31.9 95.5





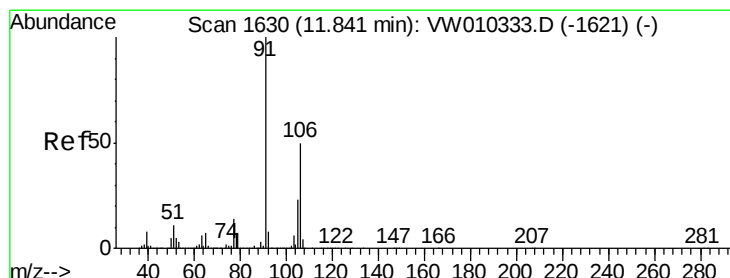
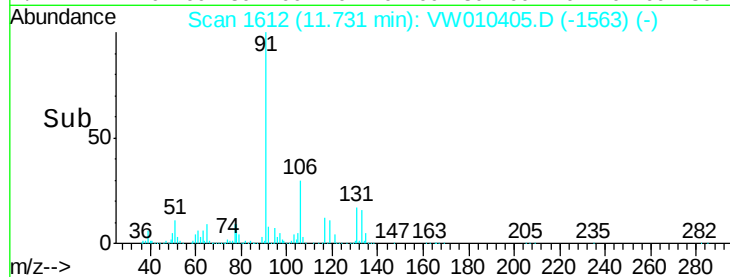
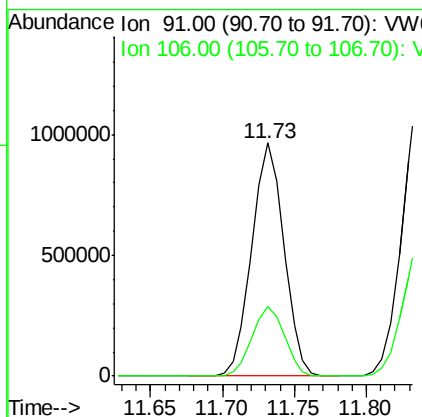
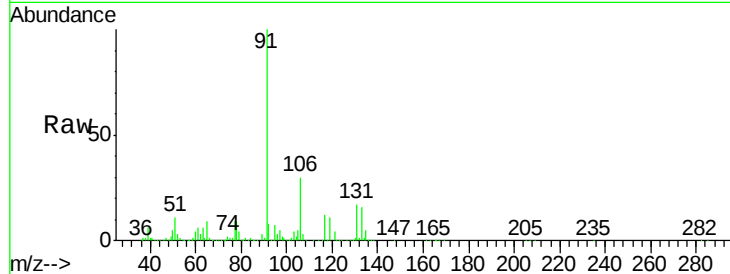
#67
Ethyl Benzene
Concen: 21.329 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :
VW0512SBSD01

Tot Ion: 91 Resp: 1491518
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

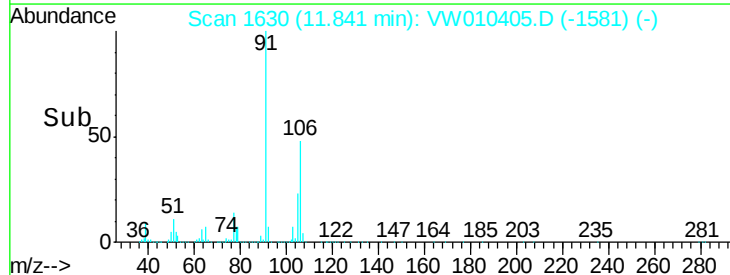
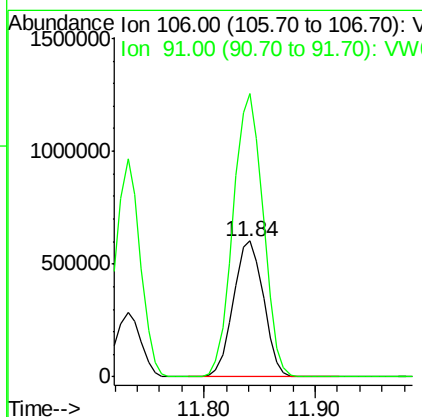
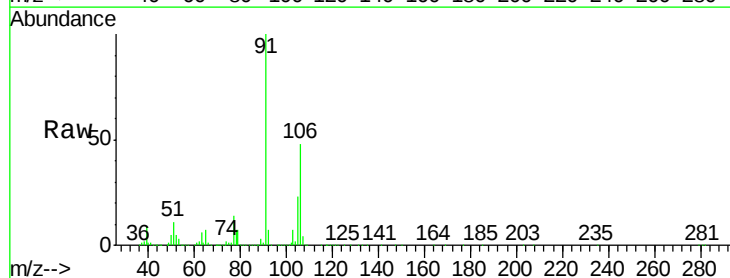
Manual Integrations
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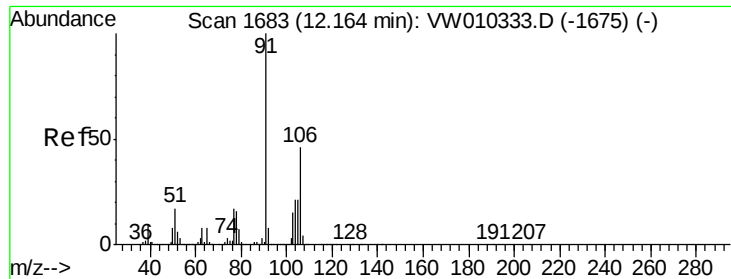
MMDadoda
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#68
m/p-Xylenes
Concen: 43.551 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 106 Resp: 1131547
Ion Ratio Lower Upper
106 100
91 207.4 165.0 247.6





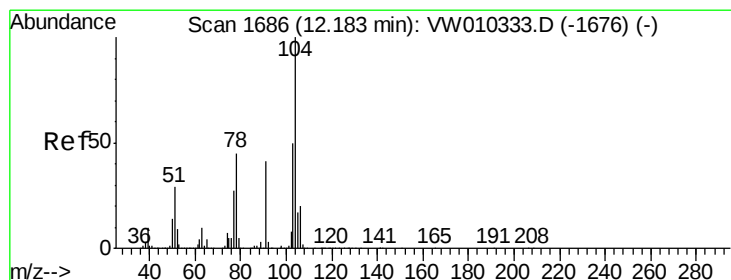
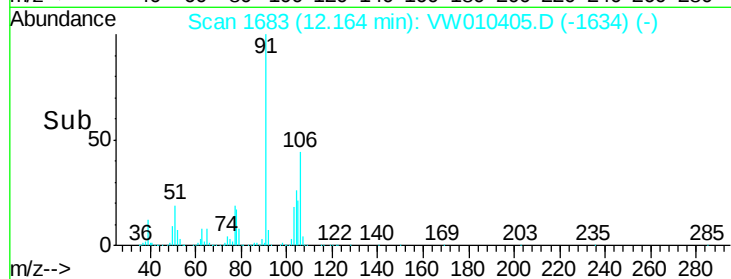
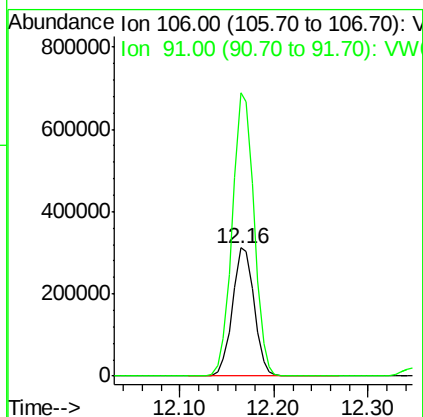
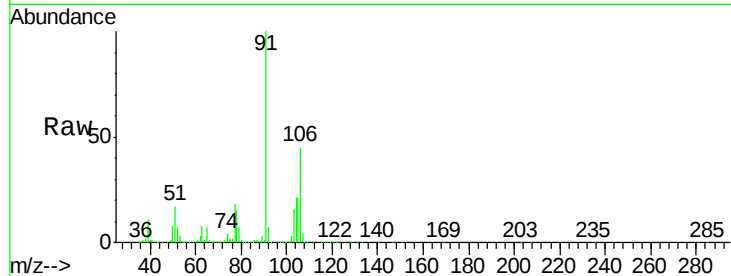
#69
o-Xylene
Concen: 21.297 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		500556		
91	220.7	110.5	331.4		

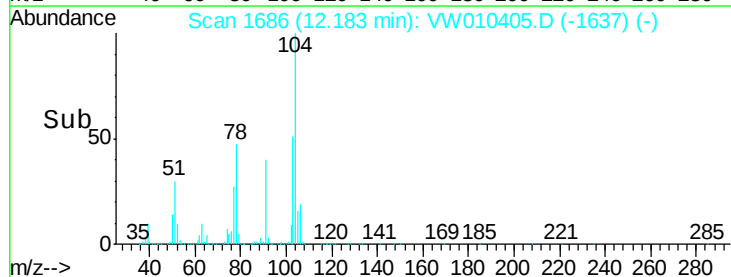
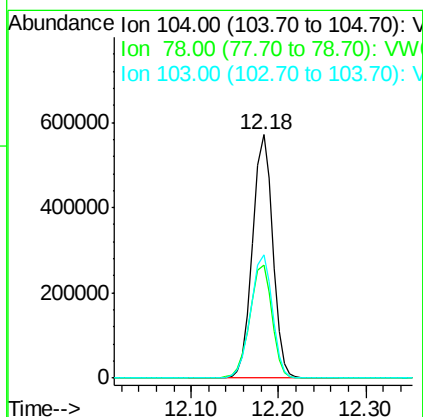
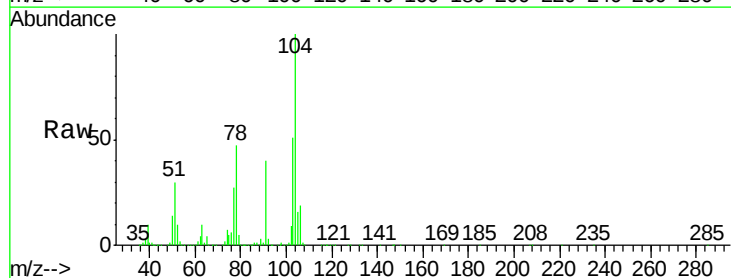
Manual Integrations
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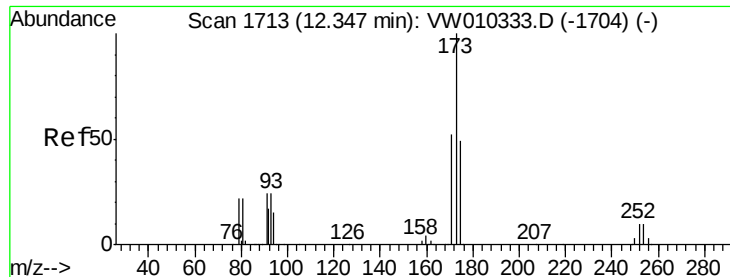
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#70
Styrene
Concen: 22.288 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		912762		
78	50.9	42.5	63.7		
103	54.4	43.6	65.4		





#71

Bromoform

Concen: 19.390 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

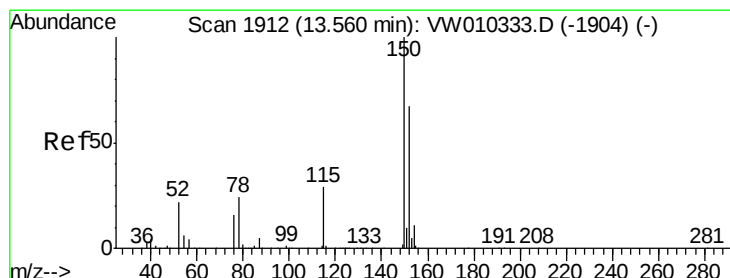
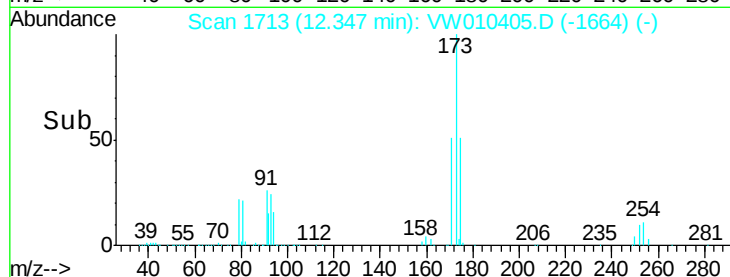
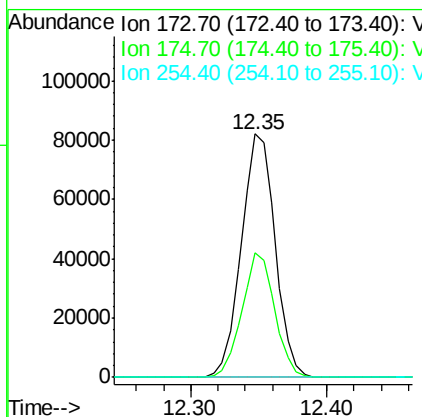
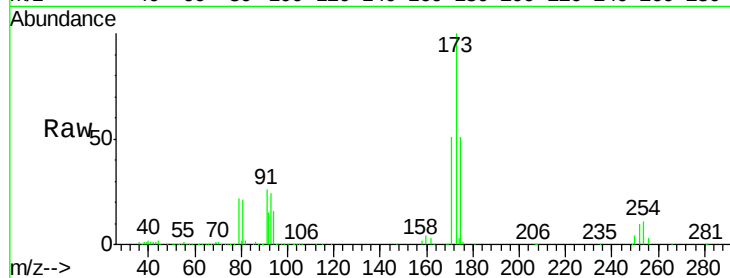
ClientSampleId :

VW0512SBSD01

Tot Ion:	173	Resp:	142410
Ion Ratio	Lower	Upper	
173	100		
175	49.7	23.8	71.4
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

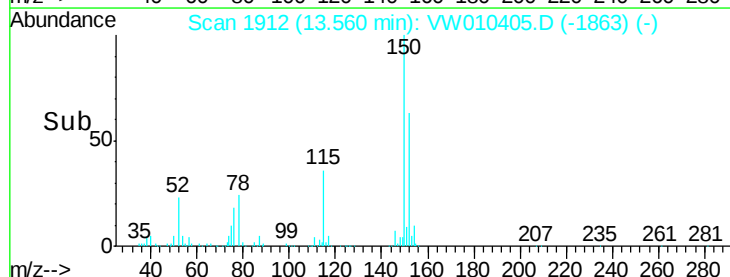
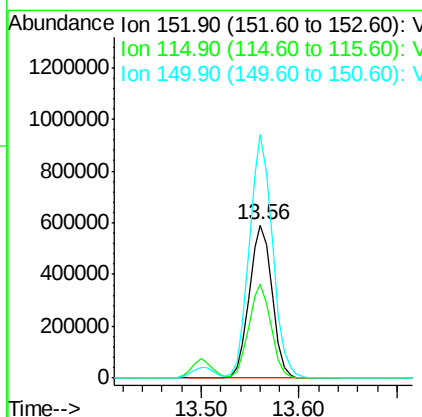
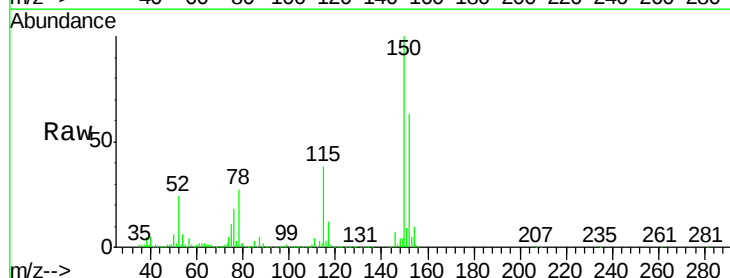
RT: 13.56 min Scan# 1912

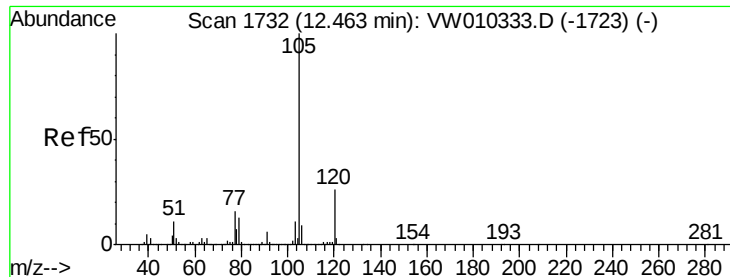
Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion:	152	Resp:	948014
Ion Ratio	Lower	Upper	
152	100		
115	60.0	30.4	91.2
150	162.4	0.0	347.0





#73

Isopropylbenzene

Concen: 20.685 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion:105 Resp: 1429350

Ion Ratio Lower Upper

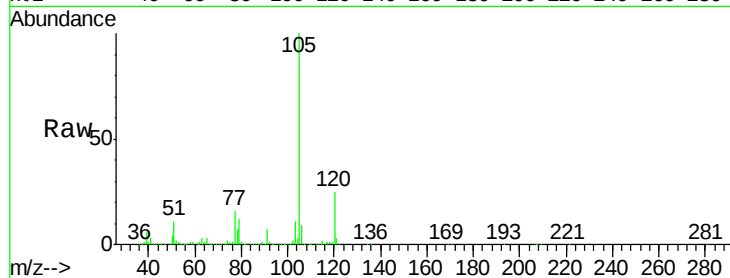
105 100

120 25.6 13.1 39.1

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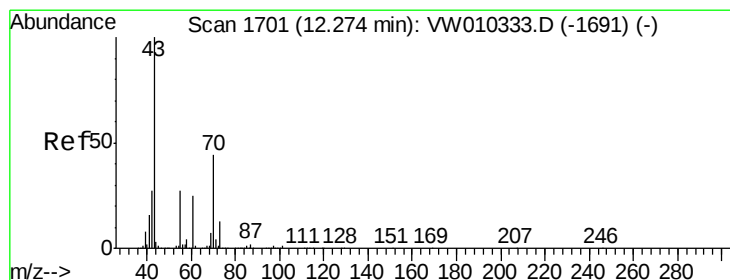
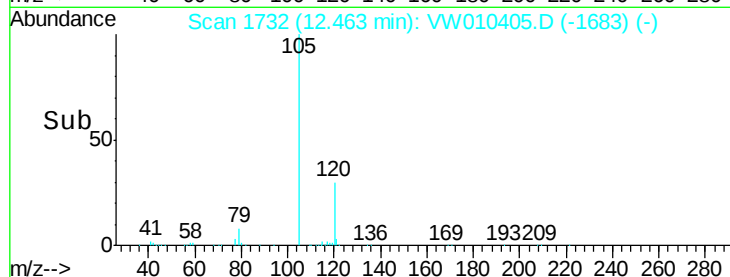
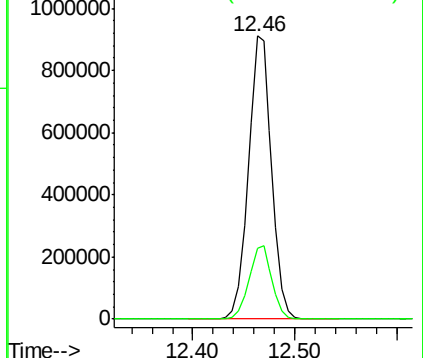
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.522 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Tgt Ion: 43 Resp: 330657

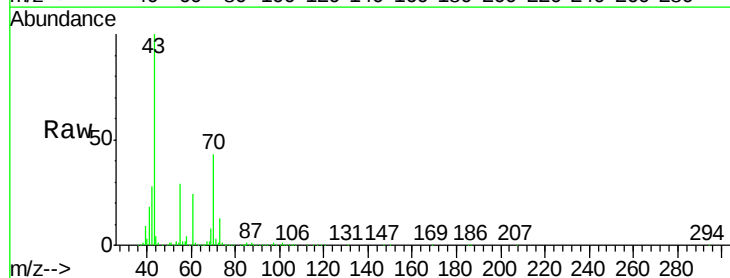
Ion Ratio Lower Upper

43 100

70 43.9 31.3 46.9

55 29.7 20.0 30.0

61 24.5 17.8 26.8

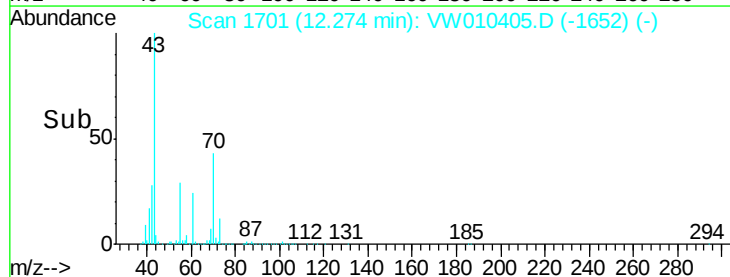
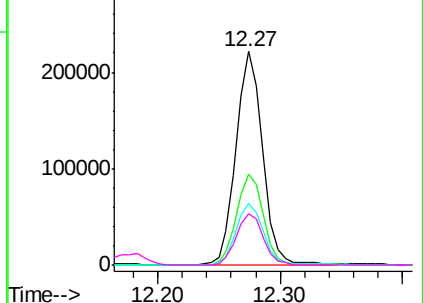


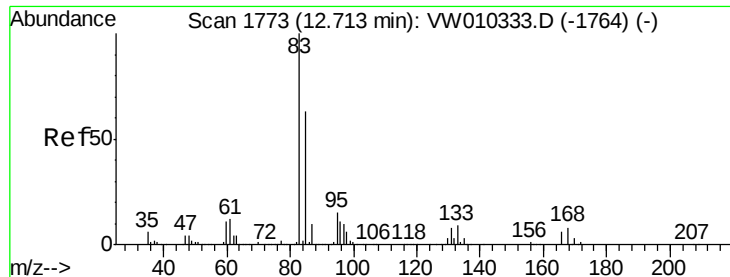
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





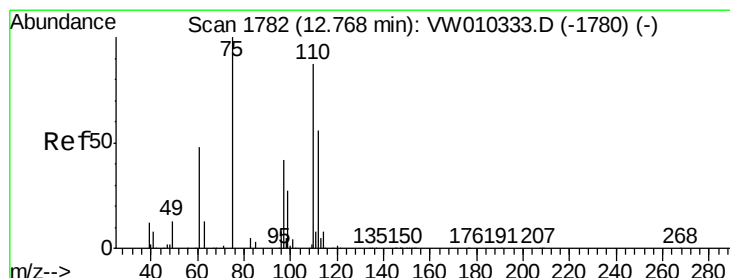
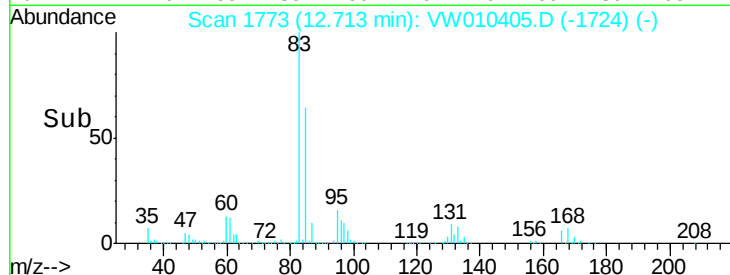
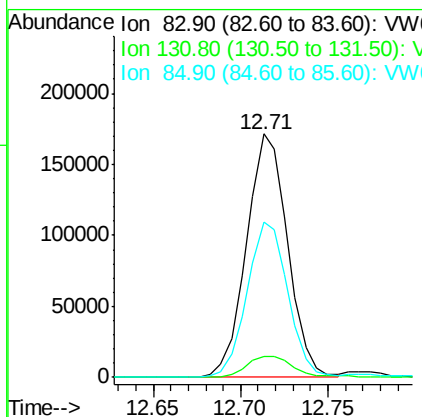
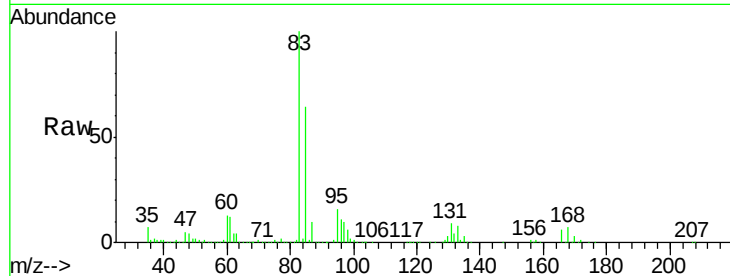
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.519 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	281964		
131	9.9	5.3	15.8	
85	63.5	32.0	96.2	

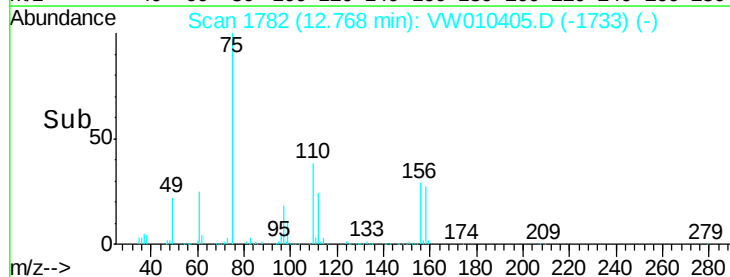
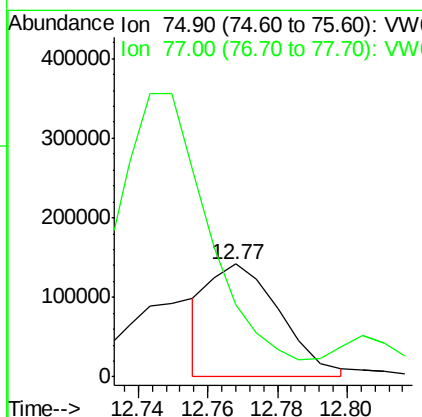
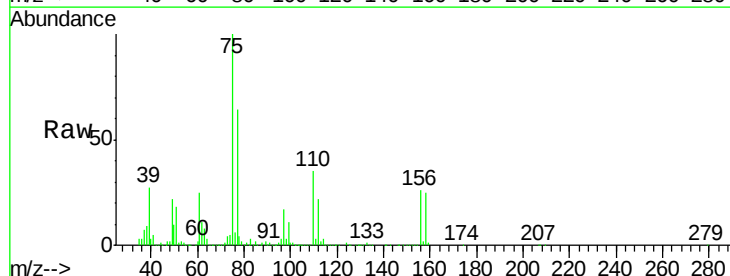
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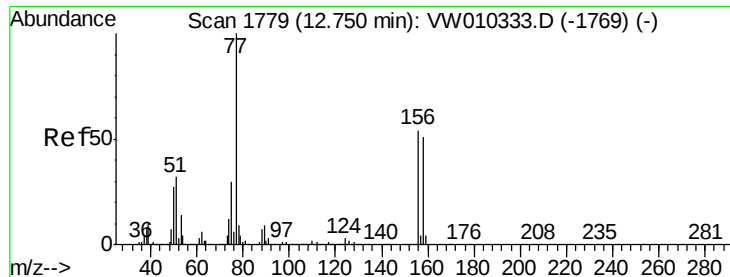
MMDadoda
 5/13/2019 12:27:21 PM



#76
 1,2,3-Trichloropropane
 Concen: 18.167 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200805		
77	0.0	0.0	0.0	





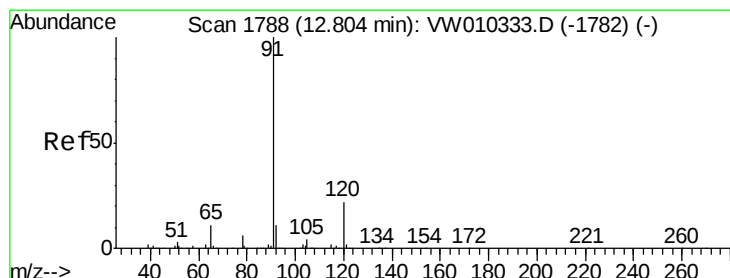
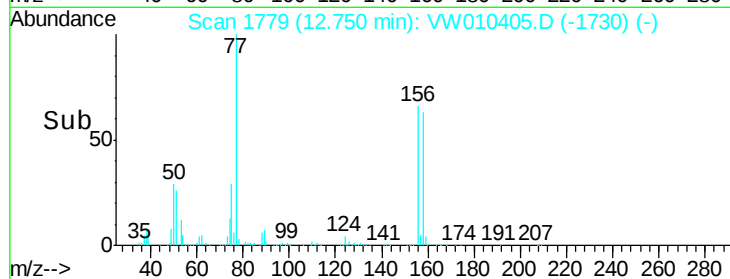
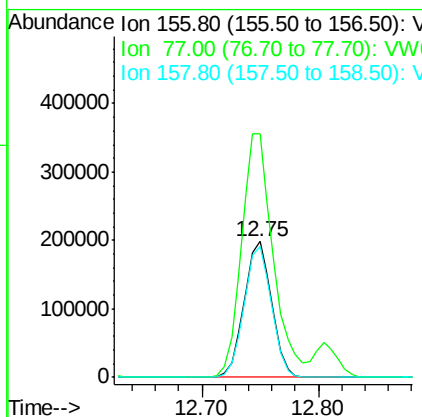
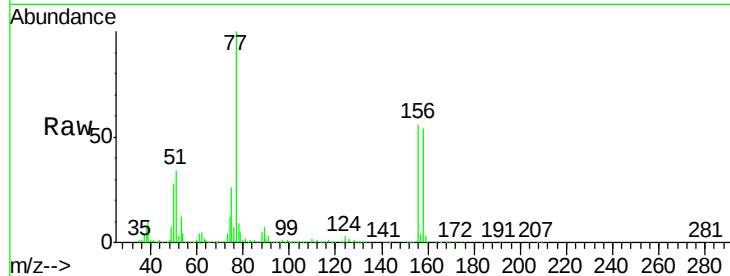
#77
Bromobenzene
Concen: 20.956 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.9	102.5	307.4
158	96.5	48.8	146.4

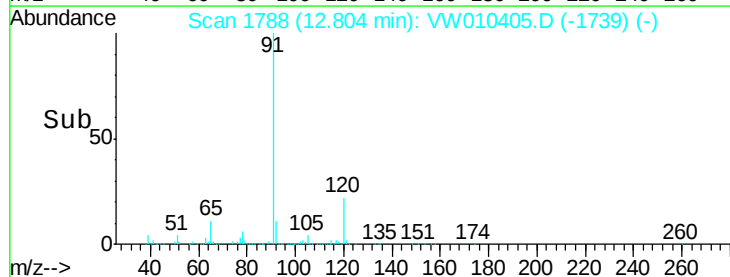
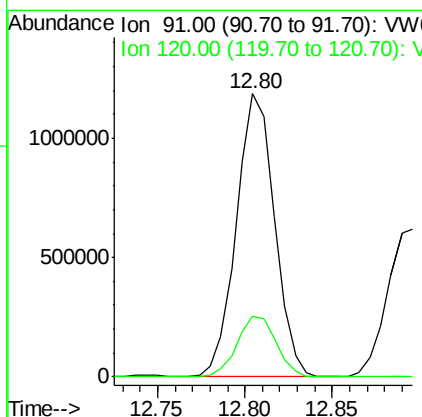
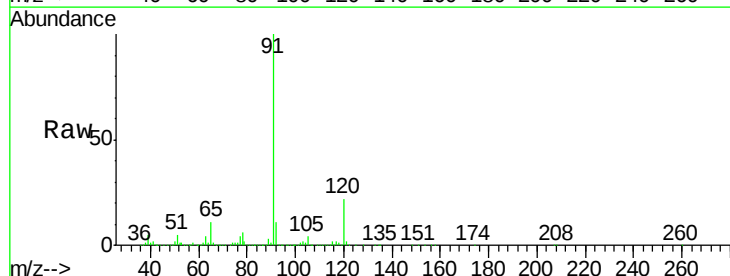
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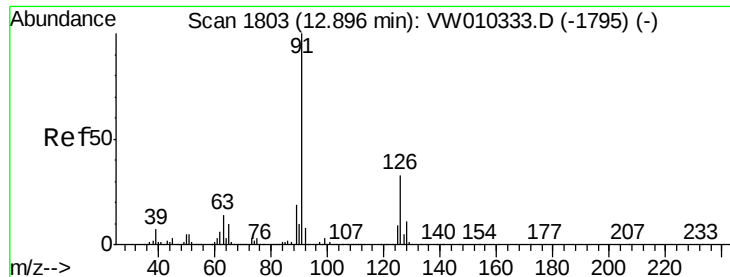
MMDadoda
5/13/2019 12:27:21 PM



#78
n-propylbenzene
Concen: 21.082 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





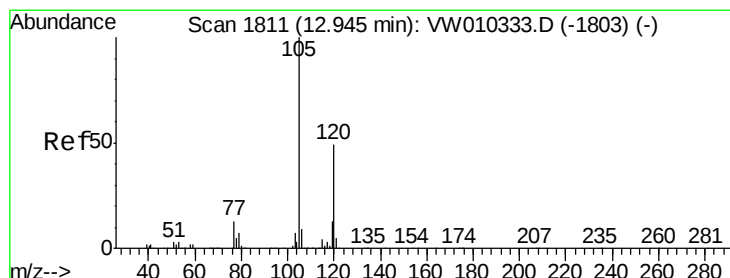
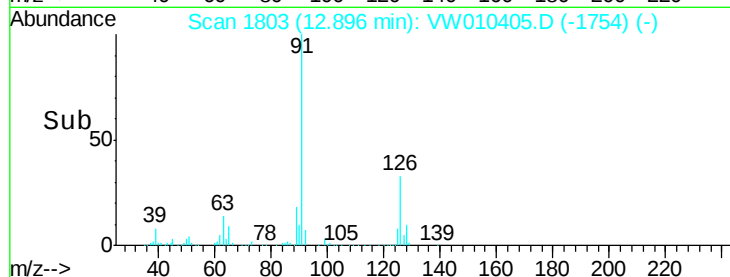
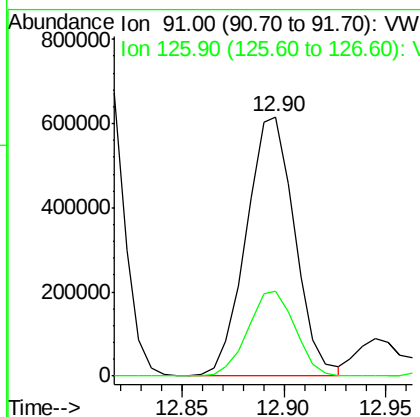
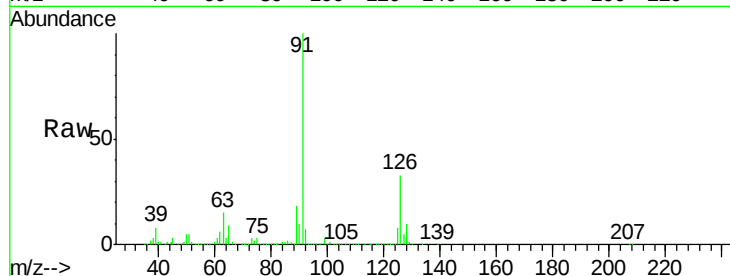
#79
2-Chlorotoluene
Concen: 20.975 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion: 91 Resp: 1019458
Ion Ratio Lower Upper
91 100
126 32.0 16.3 48.8

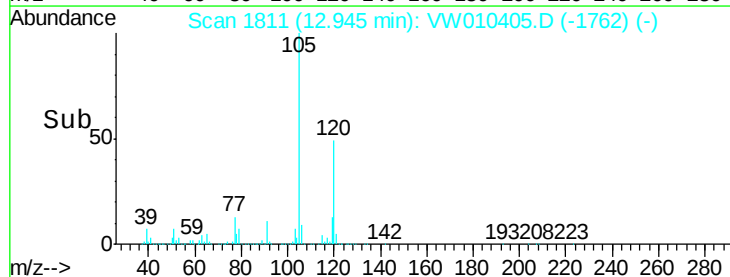
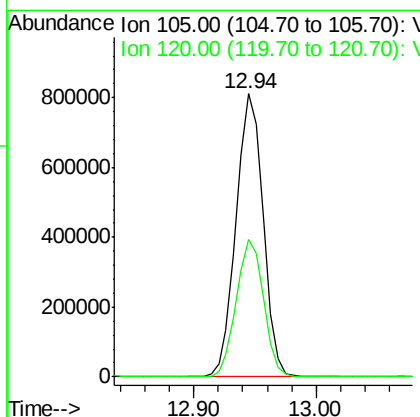
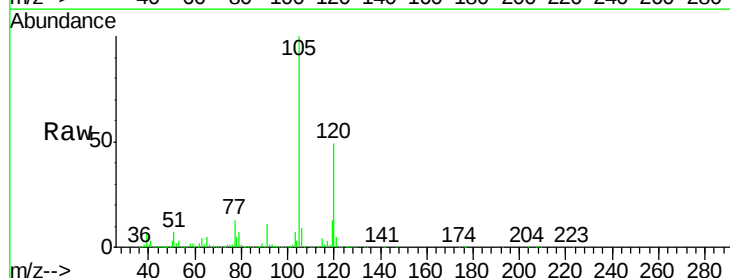
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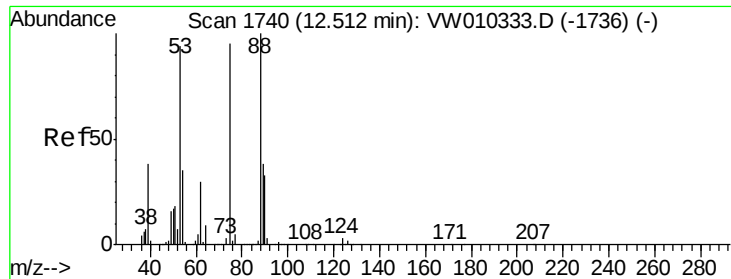
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.227 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion: 105 Resp: 1236604
Ion Ratio Lower Upper
105 100
120 49.2 24.3 72.8





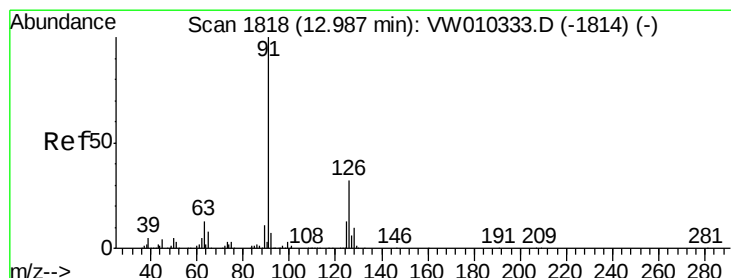
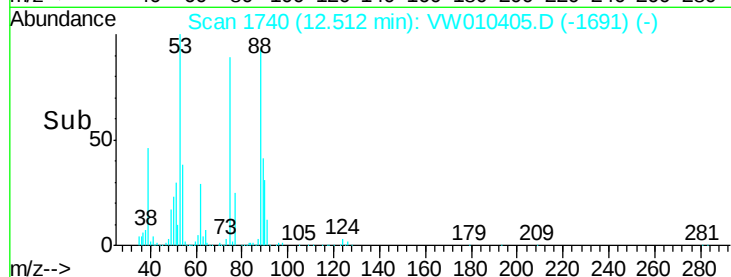
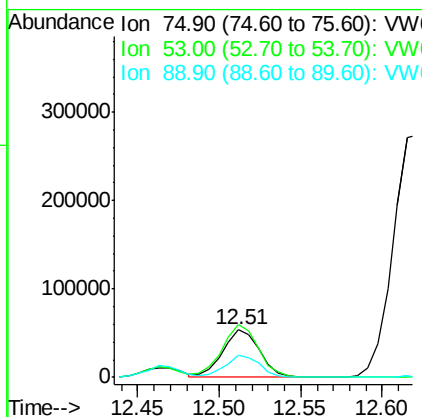
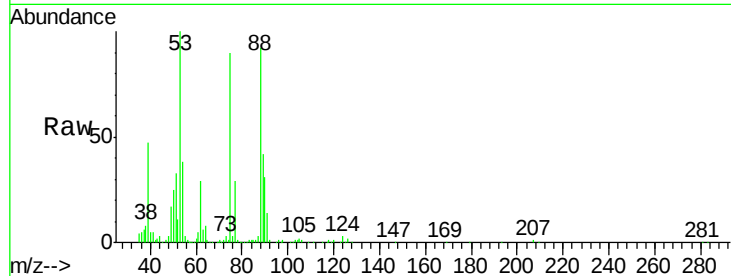
#81
trans-1,4-Dichloro-2-butene
Concen: 17.092 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.1	89.8	134.8
89	44.7	36.6	54.8

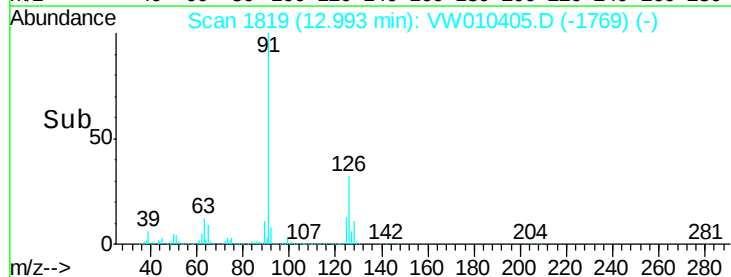
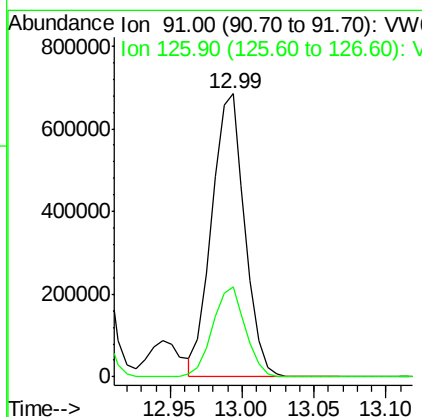
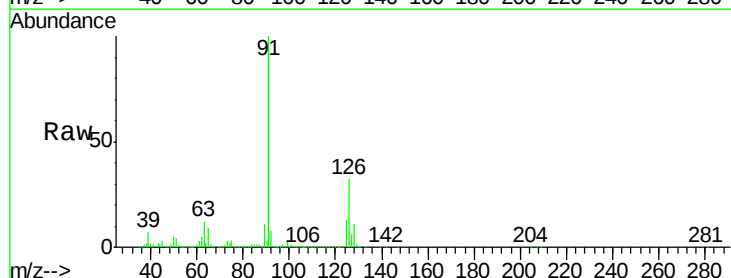
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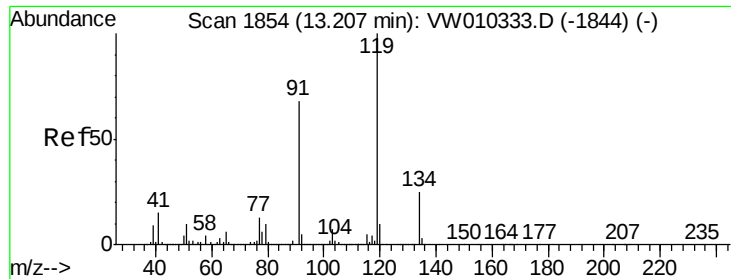
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.392 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.1





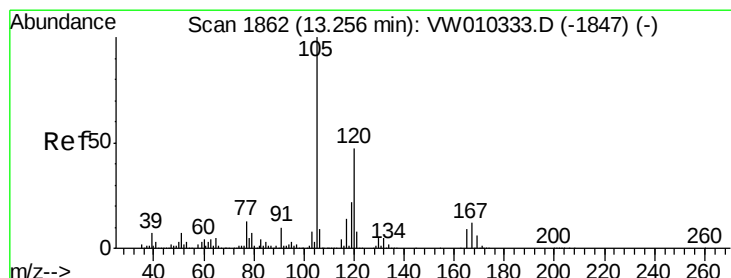
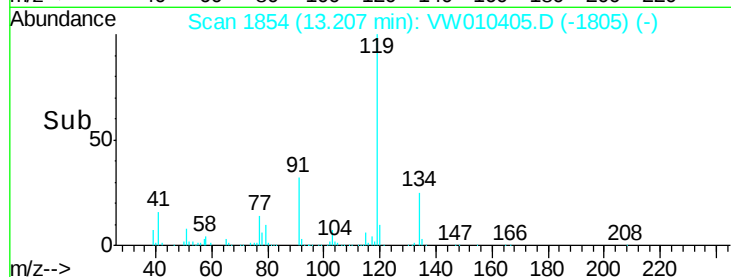
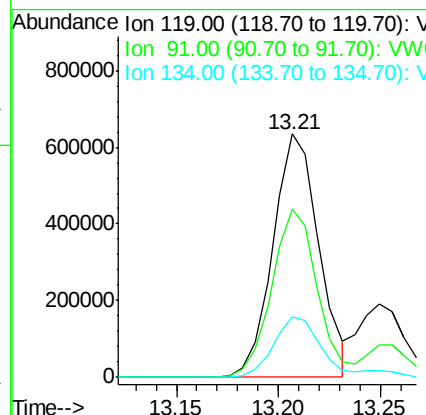
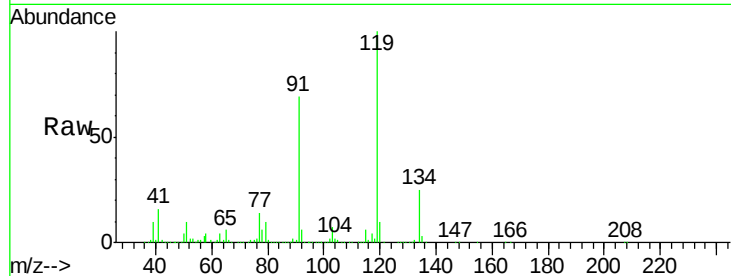
#83
tert-Butylbenzene
Concen: 20.449 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.4
134	25.5	13.7	41.1

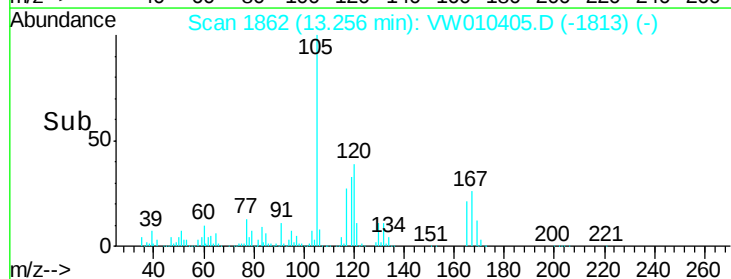
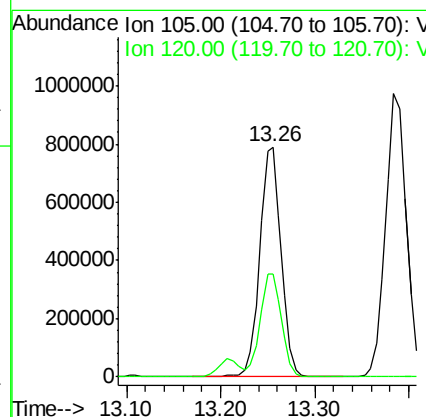
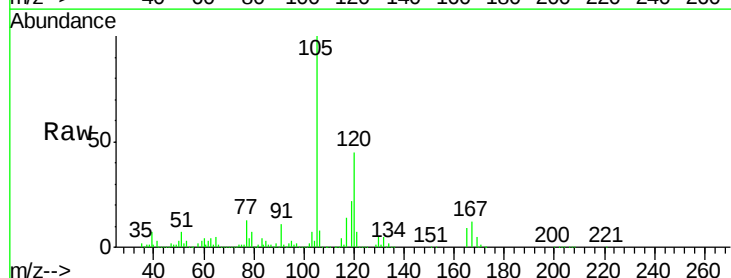
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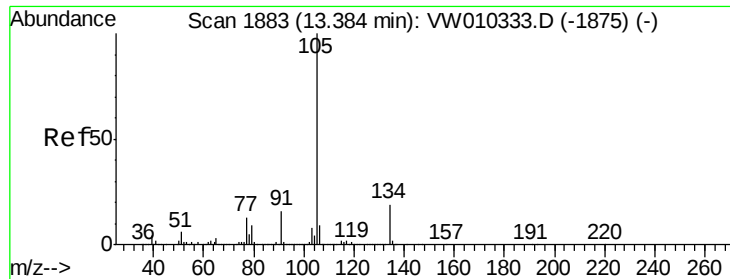
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.761 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.775 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0512SBSD01

Tot Ion:105 Resp: 1490228

Ion Ratio Lower Upper

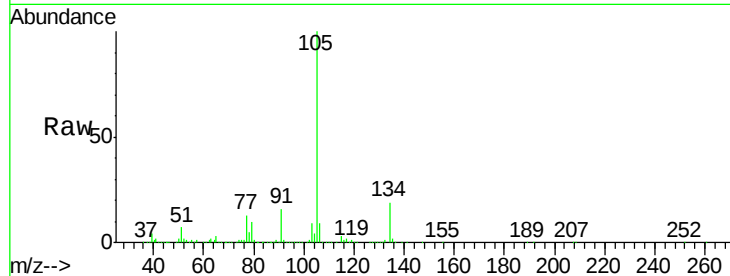
105 100

134 19.5 9.8 29.5

Manual Integrations
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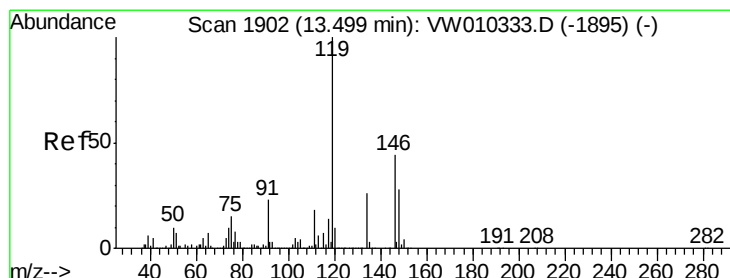
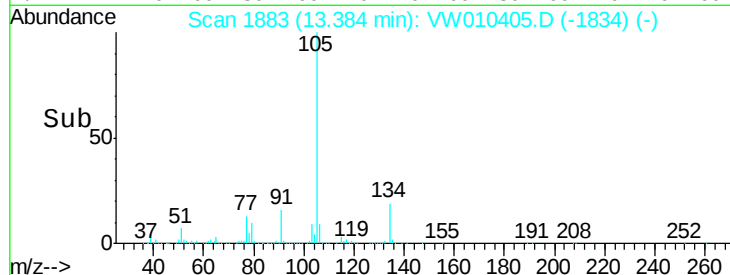
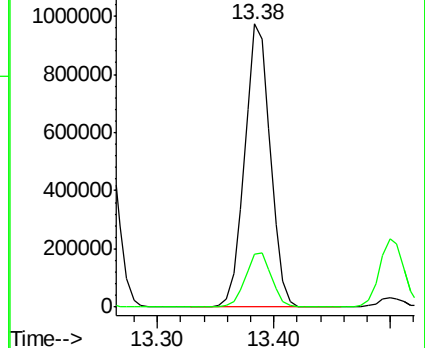
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.189 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010405.D

Acq: 12 May 2019 13:47

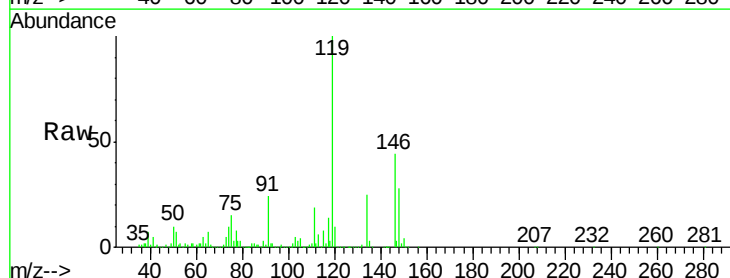
Tgt Ion:119 Resp: 1349477

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

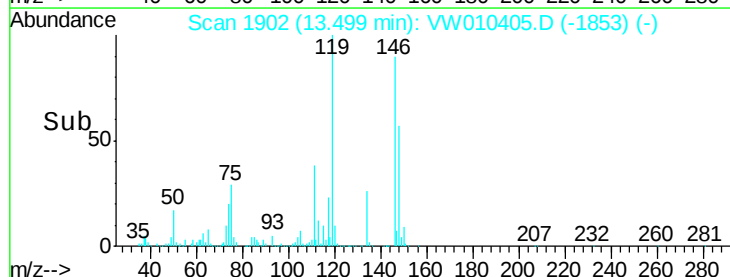
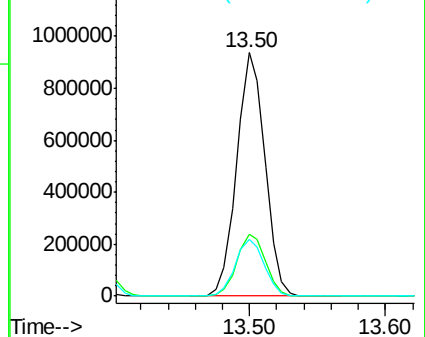
91 23.7 12.3 36.9

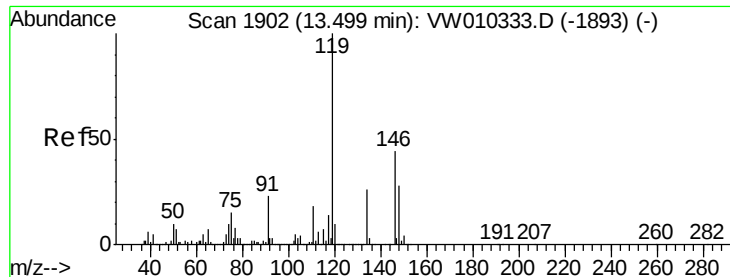


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





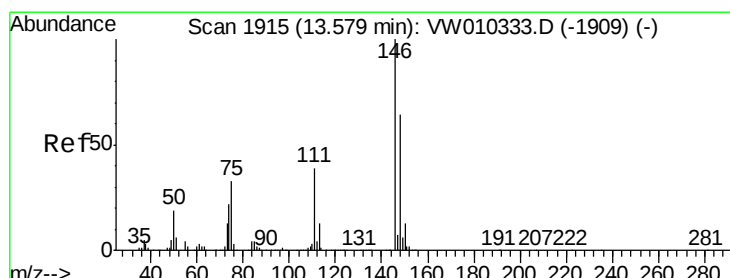
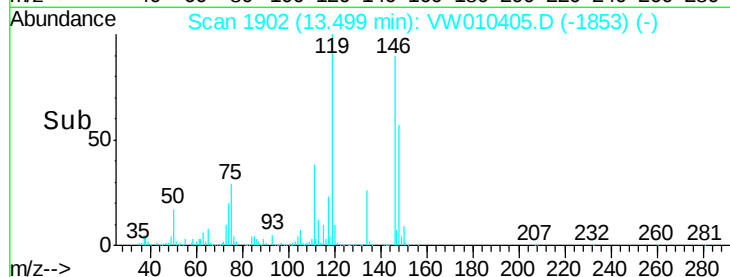
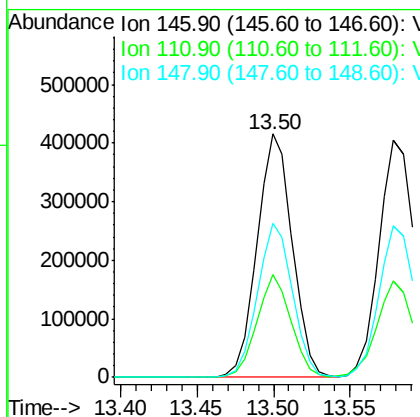
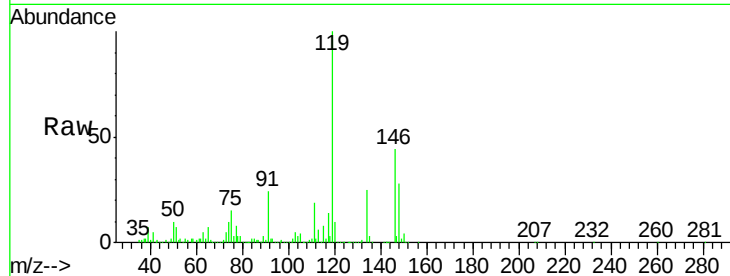
#87
 1,3-Dichlorobenzene
 Concen: 21.342 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.0	32.0	96.2

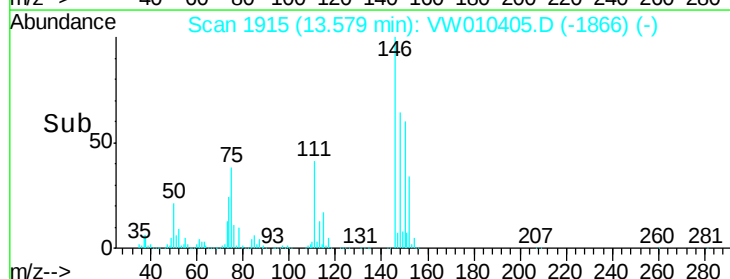
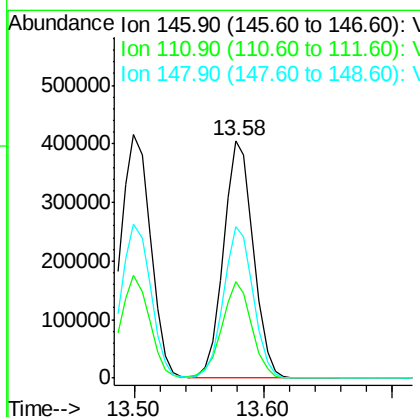
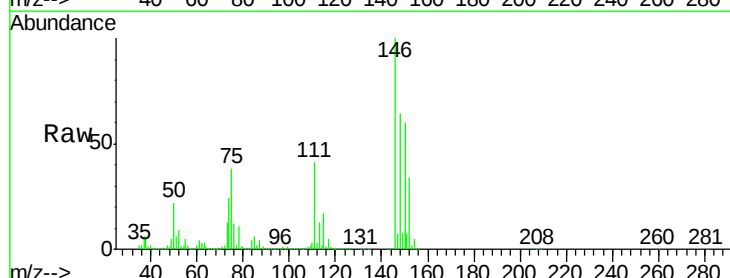
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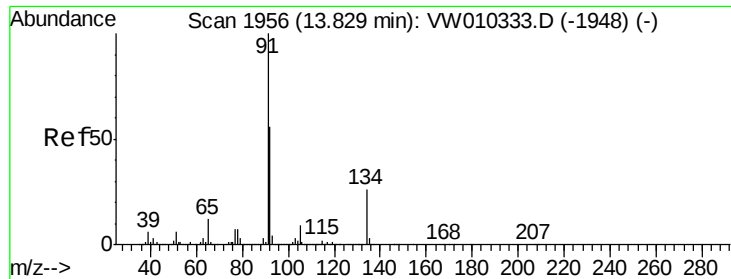
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#88
 1,4-Dichlorobenzene
 Concen: 21.206 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	63.7	31.8	95.3





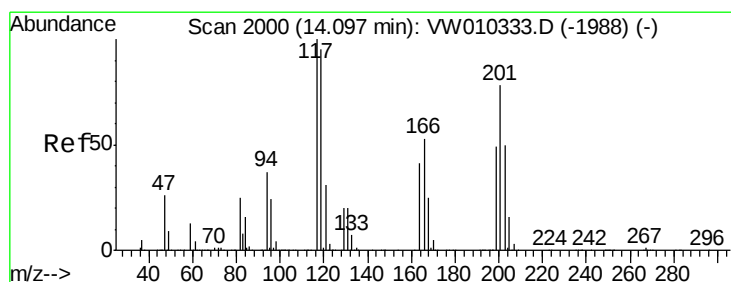
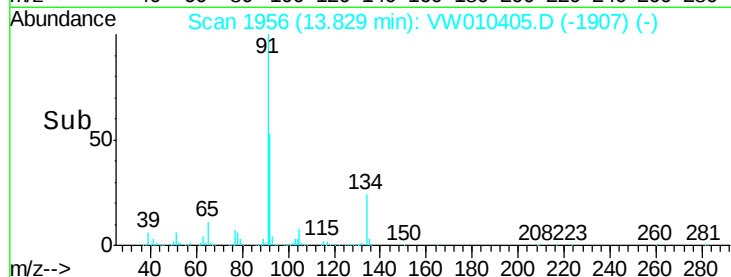
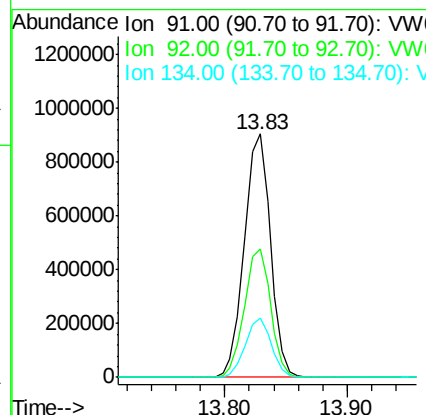
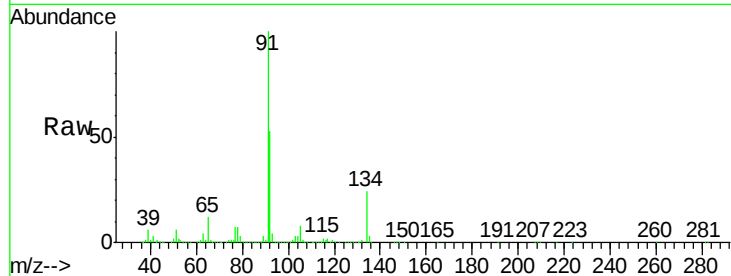
#89
n-Butylbenzene
Concen: 20.986 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	24.2	12.4	37.0

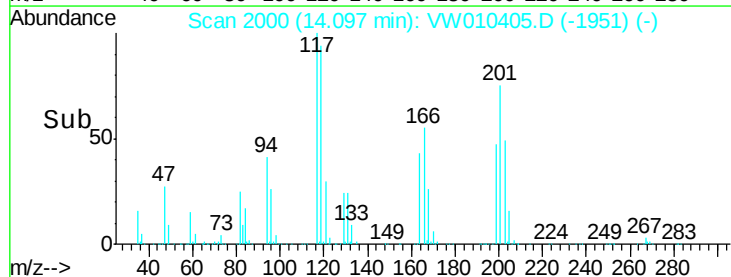
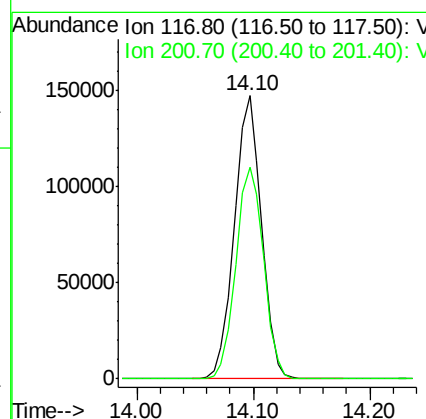
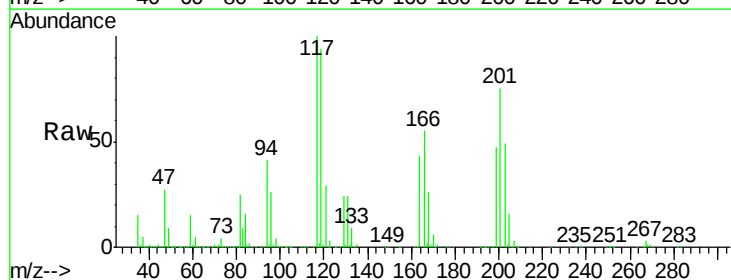
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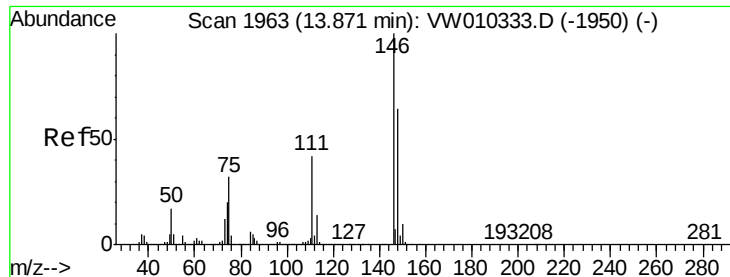
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#90
Hexachloroethane
Concen: 20.208 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	36.1	108.3





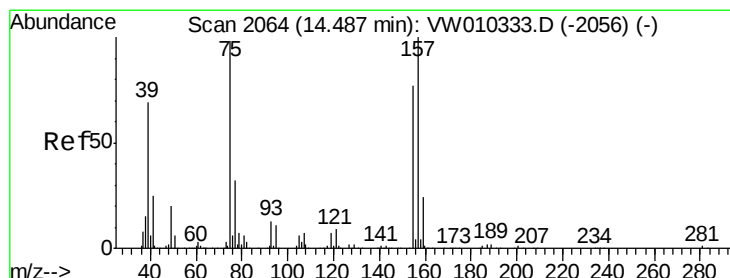
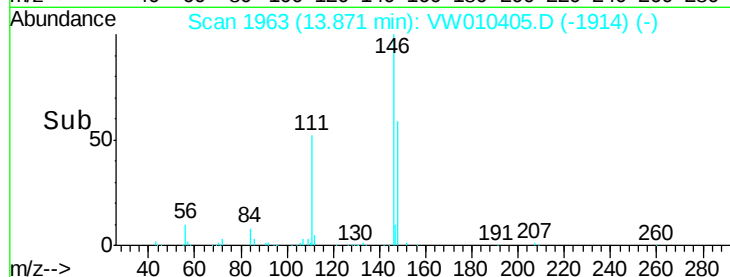
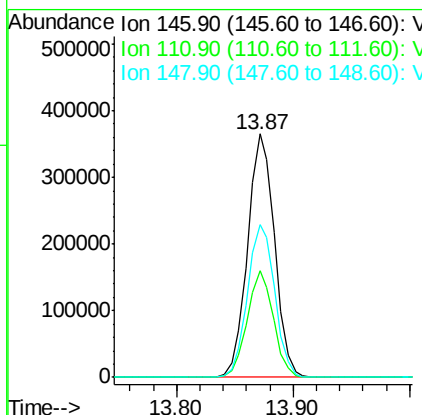
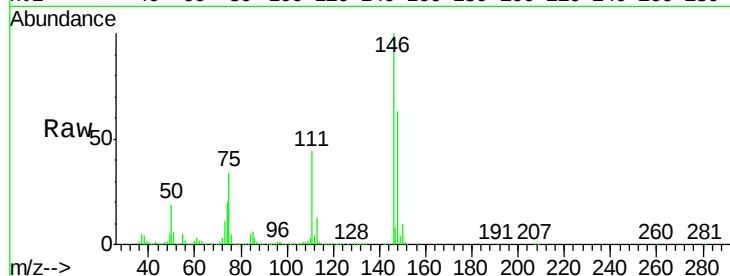
#91
 1,2-Dichlorobenzene
 Concen: 21.329 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	588238		
111	42.6	20.9	62.8	
148	63.7	31.9	95.7	

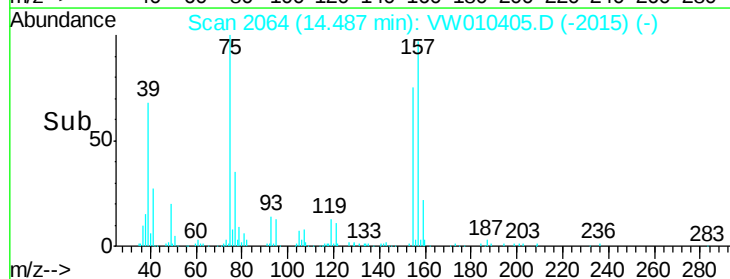
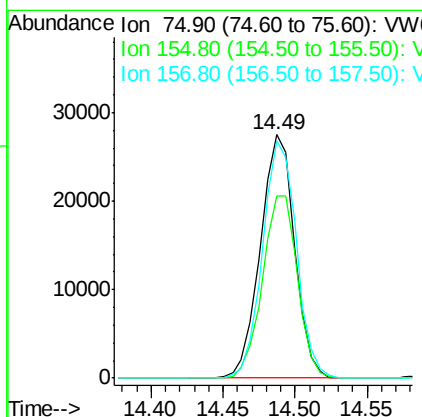
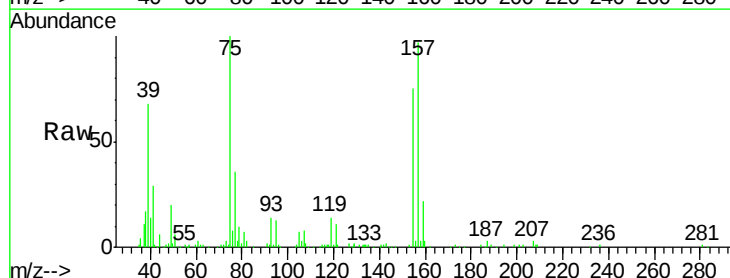
Manual Integrations
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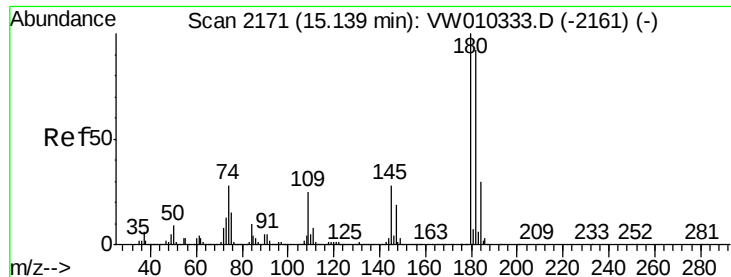
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.502 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45245		
155	76.4	37.1	111.5	
157	96.2	47.3	141.9	





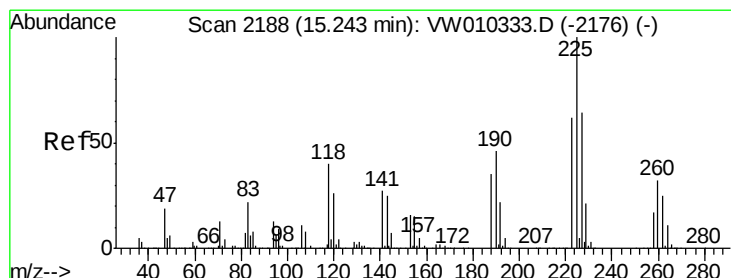
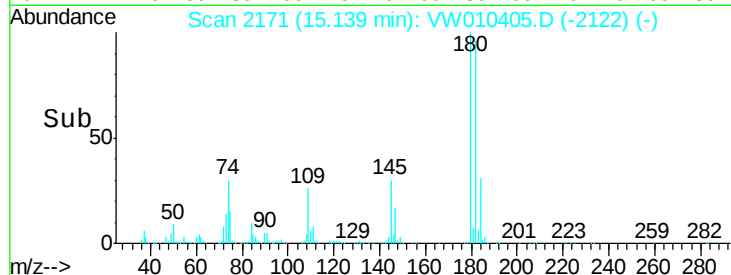
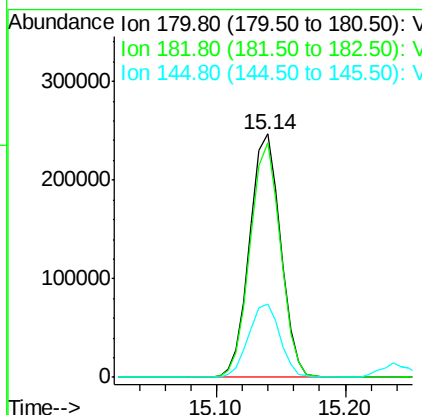
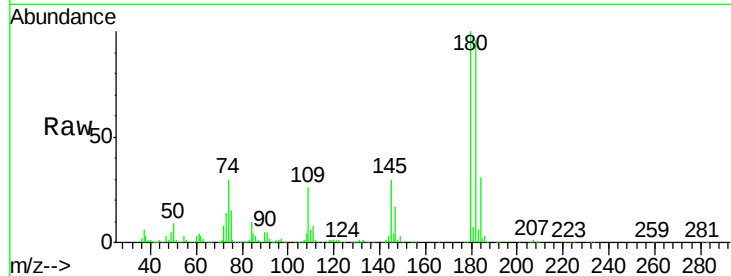
#93
 1,2,4-Trichlorobenzene
 Concen: 21.766 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	409704		
182	94.6	47.1	141.4	
145	30.5	15.2	45.6	

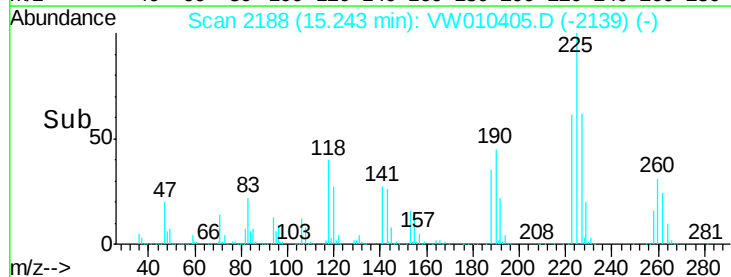
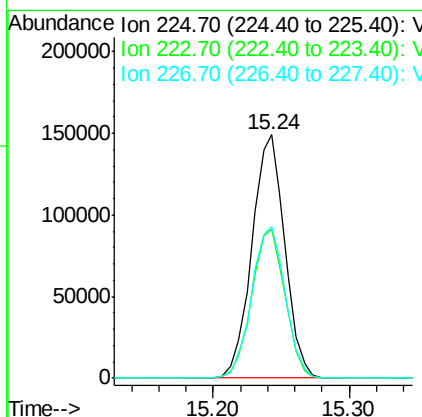
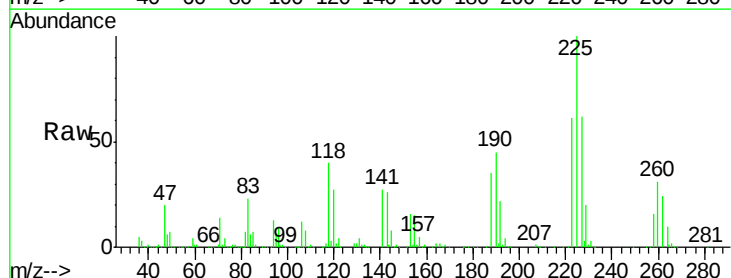
Manual Integrations
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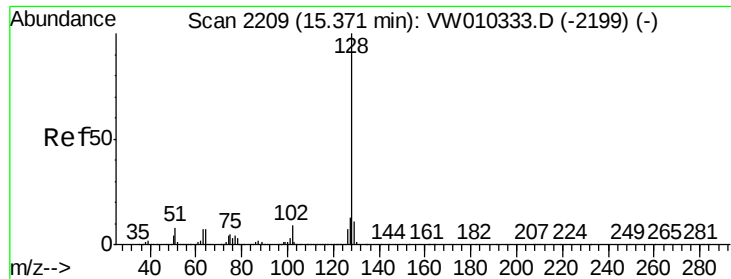
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#94
 Hexachlorobutadiene
 Concen: 20.880 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010405.D
 Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251958		
223	62.2	31.9	95.5	
227	63.5	31.8	95.3	





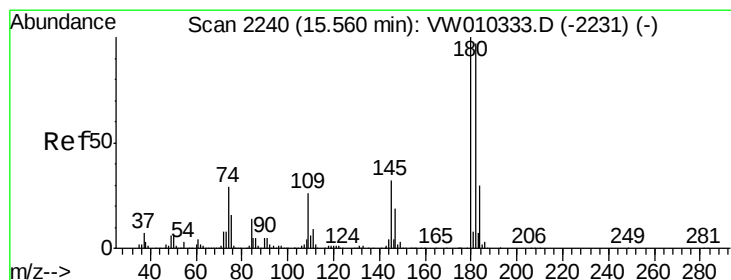
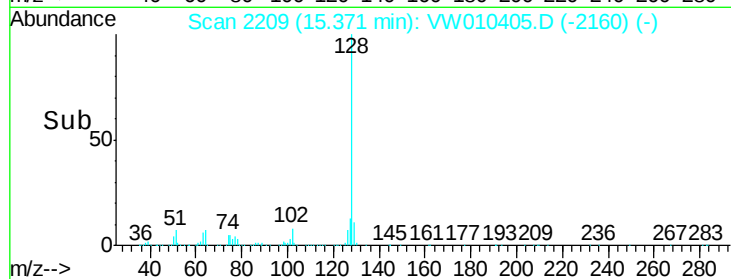
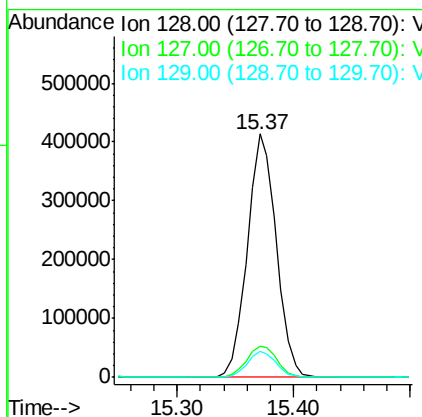
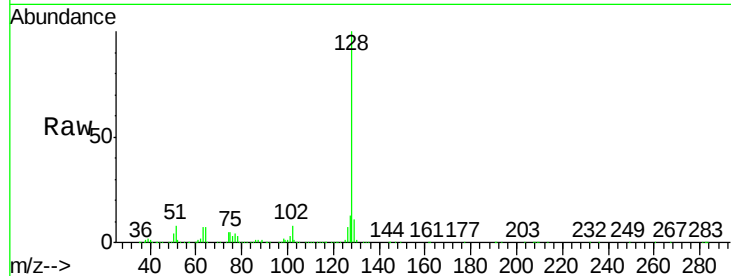
#95
Naphthalene
Concen: 19.019 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0512SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.603 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010405.D
Acq: 12 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	32.4	16.4	49.2

