

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111219\
 Data File : VW013977.D
 Acq On : 12 Nov 2019 16:03
 Operator : SY/VA
 Sample : VW1112SBSD01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:33:25 AM

Quant Time: Nov 13 07:19:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	161343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	95404	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.88	113	96520	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.32	98	385574	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.62	95	135169	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32922	25.315	ug/l	94
3) Chloromethane	2.21	50	29858	21.363	ug/l	93
4) Vinyl Chloride	2.36	62	50880	24.105	ug/l	98
5) Bromomethane	2.78	94	33650	24.240	ug/l	95
6) Chloroethane	2.92	64	30400	23.802	ug/l	99
7) Trichlorofluoromethane	3.25	101	25969	19.697	ug/l	95
8) Diethyl Ether	3.68	74	25771	24.195	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48737	22.739	ug/l	98
10) Methyl Iodide	4.28	142	82006	23.480	ug/l	99
11) Tert butyl alcohol	5.16	59	18011	162.923	ug/l	98
12) 1,1-Dichloroethene	4.04	96	51568	23.293	ug/l	98
13) Acrolein	3.89	56	11165	88.155	ug/l	93
14) Allyl chloride	4.67	41	73975	21.730	ug/l	99
15) Acrylonitrile	5.36	53	54125	124.967	ug/l	98
16) Acetone	4.12	43	46646	118.800	ug/l	92
17) Carbon Disulfide	4.38	76	147290	23.166	ug/l	99
18) Methyl Acetate	4.66	43	35141	32.649	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	64062	24.113	ug/l	98
20) Methylene Chloride	4.92	84	59728	25.302	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	55096	23.122	ug/l	98
22) Diisopropyl ether	6.31	45	149762	24.117	ug/l	99
23) Vinyl Acetate	6.25	43	429120	119.097	ug/l	99
24) 1,1-Dichloroethane	6.21	63	92093	23.417	ug/l	98
25) 2-Butanone	7.16	43	73421	130.064	ug/l #	88
26) 2,2-Dichloropropane	7.16	77	53315	23.444	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	58561	23.138	ug/l	95
28) Bromochloromethane	7.51	49	24700	18.496	ug/l #	100
29) Tetrahydrofuran	7.52	42	48073	137.554	ug/l	99
30) Chloroform	7.67	83	95584	24.586	ug/l	99
31) Cyclohexane	7.95	56	89194	21.672	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	71774	23.526	ug/l	100
36) 1,1-Dichloropropene	8.08	75	75291	22.500	ug/l	99
37) Ethyl Acetate	7.24	43	32922	25.701	ug/l	99
38) Carbon Tetrachloride	8.06	117	68474	22.723	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	92677	21.446	ug/l	96
40) Benzene	8.32	78	216019	22.810	ug/l	100
41) Methacrylonitrile	7.48	41	19762	24.739	ug/l	96
42) 1,2-Dichloroethane	8.40	62	56309	23.595	ug/l	99
43) Isopropyl Acetate	8.42	43	60507	24.677	ug/l	99
44) Trichloroethene	9.09	130	60151	22.174	ug/l	99
45) 1,2-Dichloropropane	9.37	63	51204	22.636	ug/l	95
46) Dibromomethane	9.46	93	26605	24.233	ug/l	97
47) Bromodichloromethane	9.64	83	66679	23.473	ug/l	93
48) Methyl methacrylate	9.43	41	28887	23.757	ug/l	93
49) 1,4-Dioxane	9.45	88	9602	591.860	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	156976	128.835	ug/l	99
52) Toluene	10.38	92	138605	22.690	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	65976	22.942	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	80057	22.564	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38831	23.732	ug/l	98
56) Ethyl methacrylate	10.65	69	50015	24.432	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66542	23.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	101997	108.259	ug/l	99
59) 2-Hexanone	10.96	43	106706	127.035	ug/l	98
60) Dibromochloromethane	11.13	129	45119	23.225	ug/l	100
61) 1,2-Dibromoethane	11.23	107	37655	24.325	ug/l	98
64) Tetrachloroethene	10.86	164	52792	22.040	ug/l	97
65) Chlorobenzene	11.66	112	145000	22.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51132	22.743	ug/l	98
67) Ethyl Benzene	11.73	91	256895	22.115	ug/l	99
68) m/p-Xylenes	11.83	106	198328	44.191	ug/l	99
69) o-Xylene	12.16	106	92750	22.484	ug/l	100
70) Styrene	12.18	104	161156	22.737	ug/l	99
71) Bromoform	12.35	173	27506	23.313	ug/l #	97
73) Isopropylbenzene	12.46	105	254044	21.926	ug/l	100
74) N-amyl acetate	12.27	43	54995	24.537	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44114	24.127	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	27705m	23.911	ug/l	
77) Bromobenzene	12.74	156	63553	22.961	ug/l	100
78) n-propylbenzene	12.80	91	299195	22.310	ug/l	99
79) 2-Chlorotoluene	12.89	91	169441	22.483	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	219974	22.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14544	23.722	ug/l	97
82) 4-Chlorotoluene	12.99	91	176479	22.305	ug/l	99
83) tert-Butylbenzene	13.21	119	194738	22.430	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	218095	22.604	ug/l	98
85) sec-Butylbenzene	13.38	105	260717	21.960	ug/l	100
86) p-Isopropyltoluene	13.50	119	244074	22.070	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	121573	22.670	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	121283	22.764	ug/l	99
89) n-Butylbenzene	13.82	91	215074	21.545	ug/l	99
90) Hexachloroethane	14.09	117	39764	20.686	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	106010	22.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7217	26.103	ug/l	94

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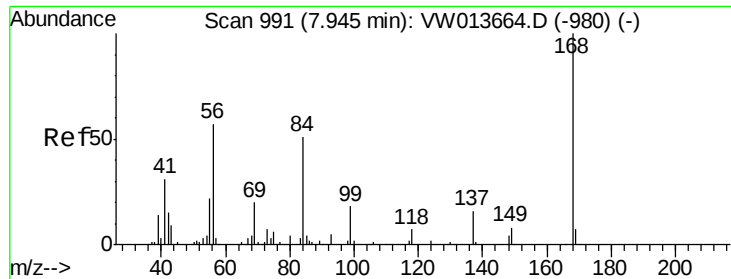
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	72929	21.551	ug/l	99
94) Hexachlorobutadiene	15.24	225	50295	22.016	ug/l	97
95) Naphthalene	15.36	128	118643	22.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62598	21.467	ug/l	97

(#) = 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: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion:168 Resp: 246855

Ion Ratio Lower Upper

168 100

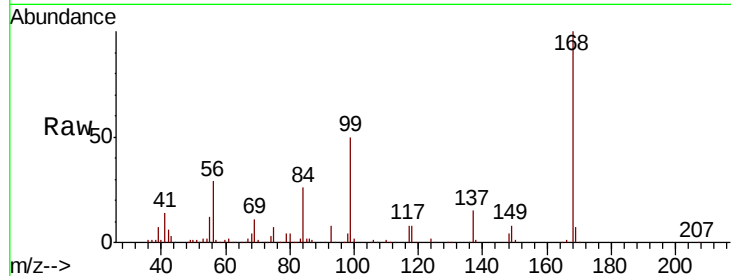
99 49.6 39.0 58.6

Manual Integrations

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11/13/2019 9:33:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

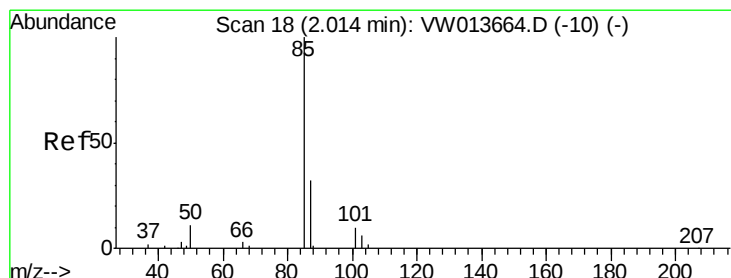
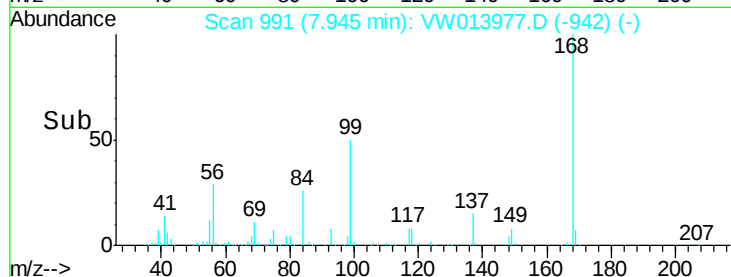
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 25.315 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013977.D

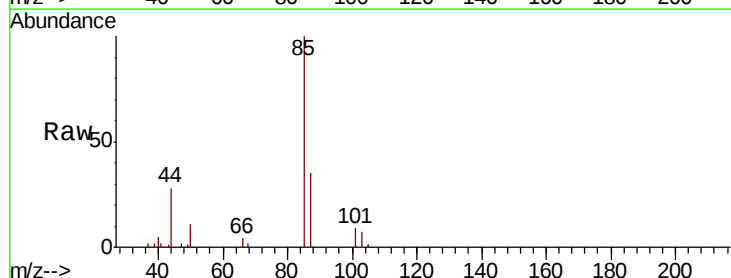
Acq: 12 Nov 2019 16:03

Tgt Ion: 85 Resp: 32922

Ion Ratio Lower Upper

85 100

87 35.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

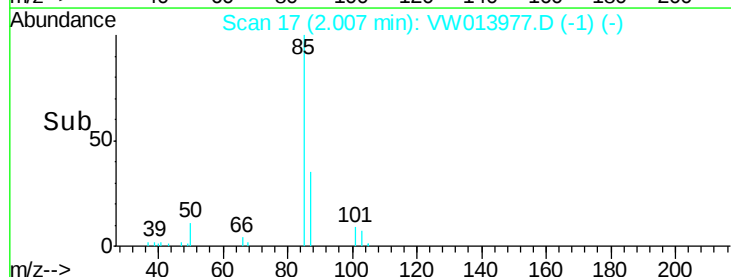
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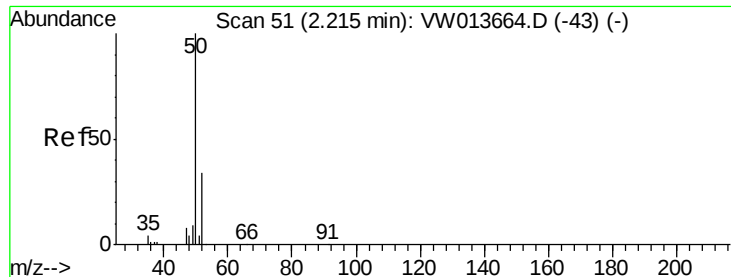
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.363 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion: 50 Resp: 29858

Ion Ratio Lower Upper

50 100

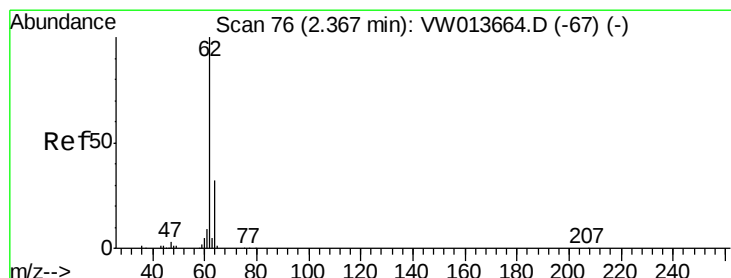
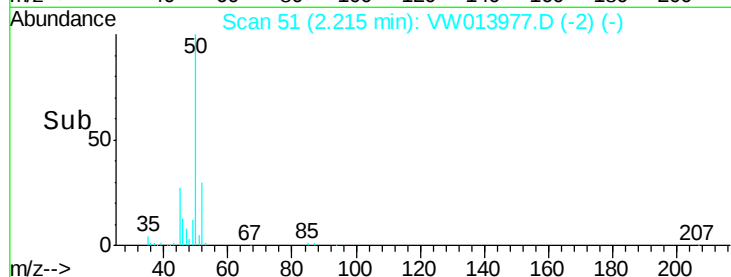
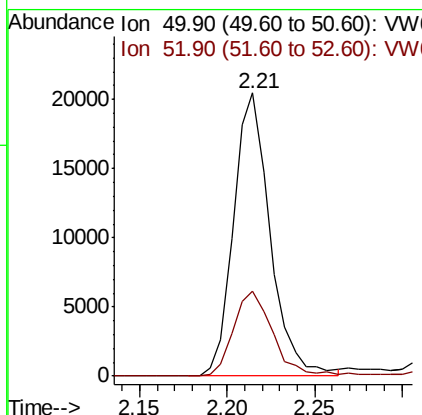
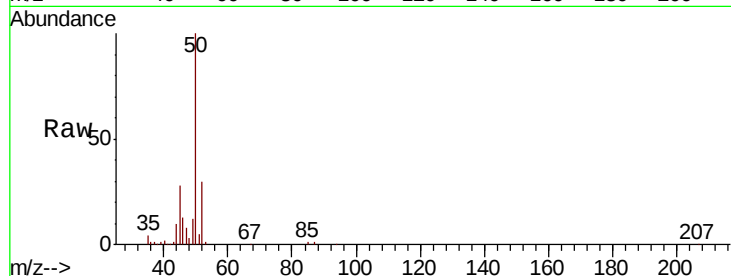
52 29.8 26.9 40.3

Manual Integrations

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11/13/2019 9:33:25 AM



#4

Vinyl Chloride

Concen: 24.105 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013977.D

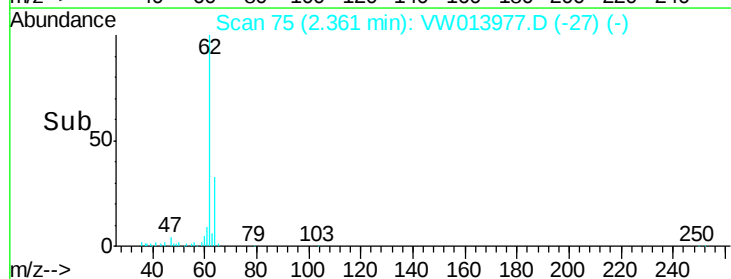
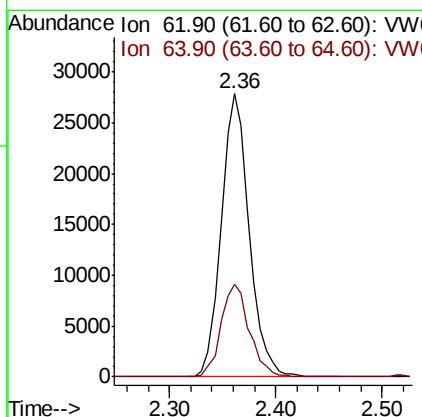
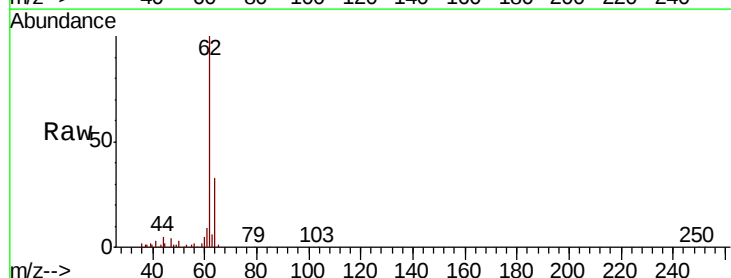
Acq: 12 Nov 2019 16:03

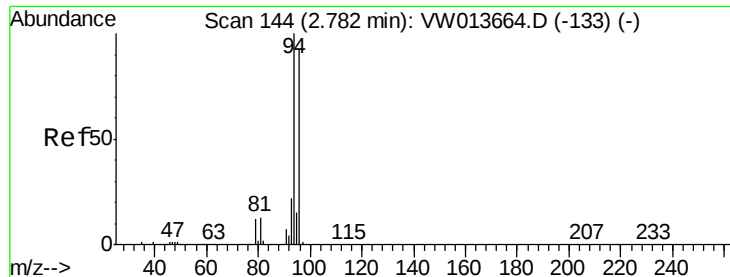
Tgt Ion: 62 Resp: 50880

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3





#5

Bromomethane

Concen: 24.240 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

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Tot Ion: 94 Resp: 33650

Ion Ratio Lower Upper

94 100

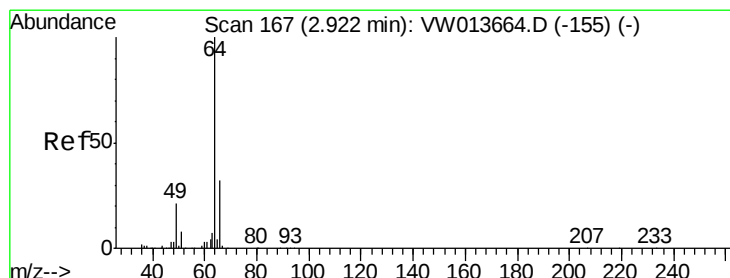
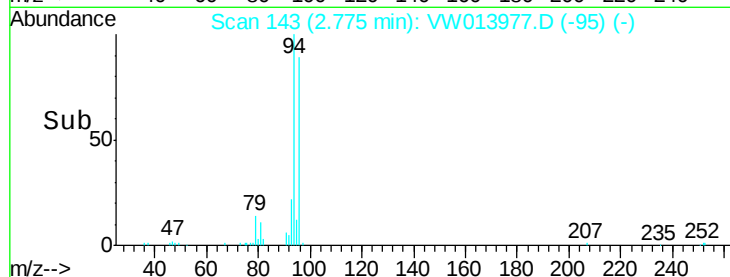
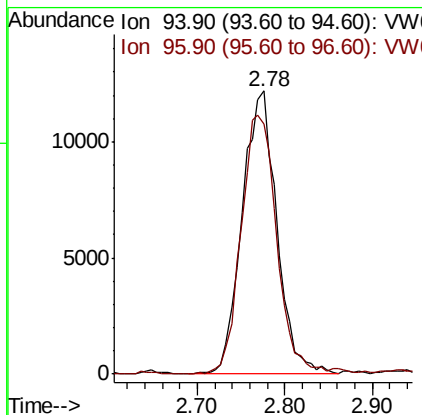
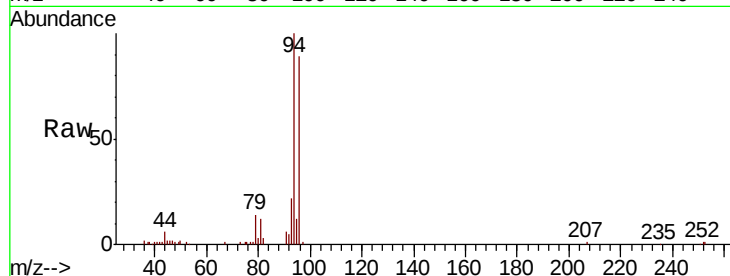
96 88.5 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 23.802 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013977.D

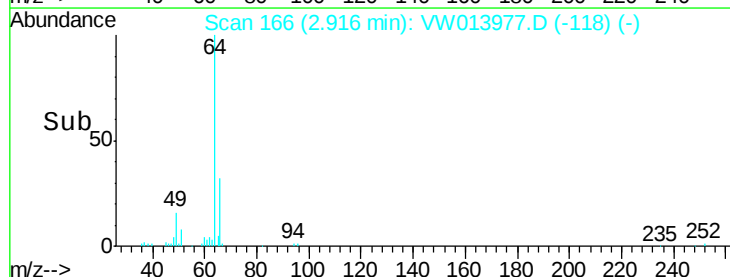
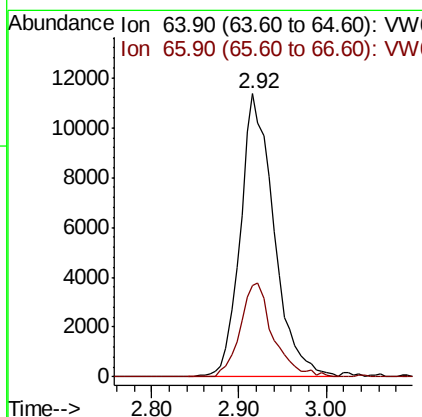
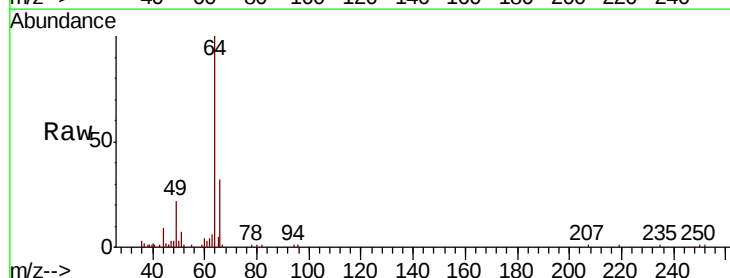
Acq: 12 Nov 2019 16:03

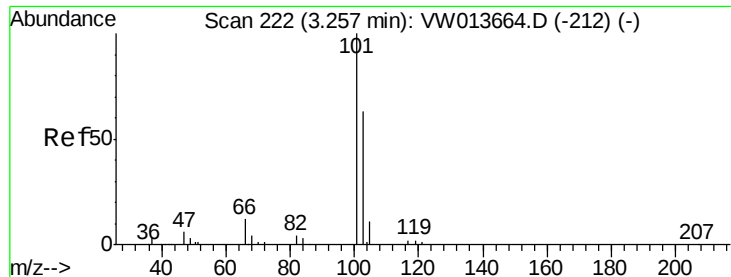
Tgt Ion: 64 Resp: 30400

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0





#7

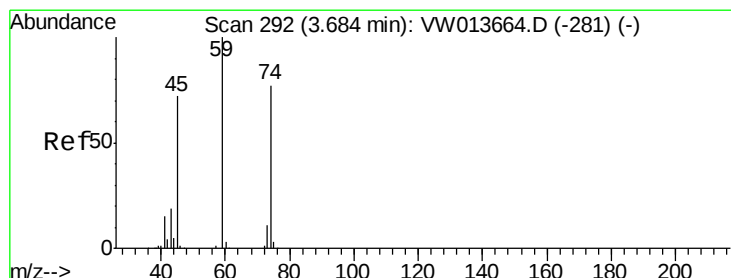
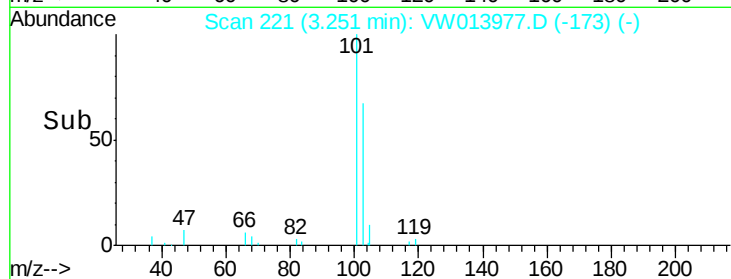
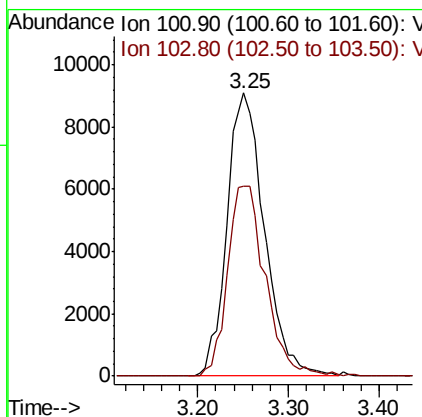
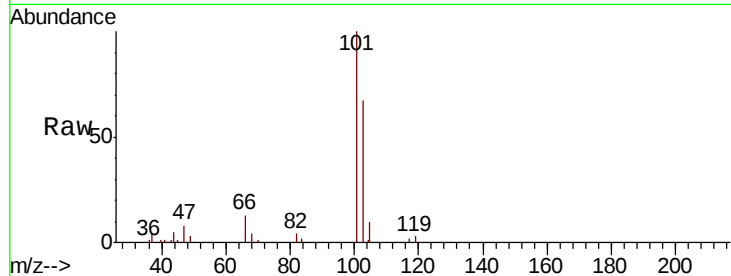
Trichlorofluoromethane
 Concen: 19.697 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

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 VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	50.6	76.0

Manual Integrations
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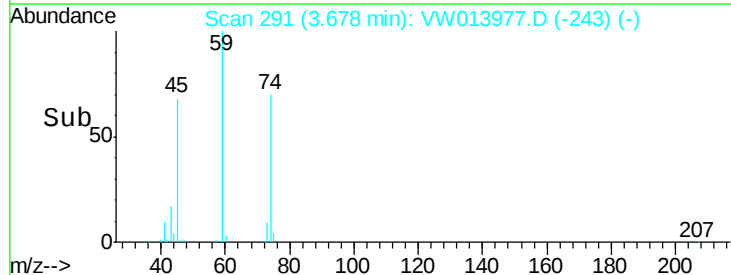
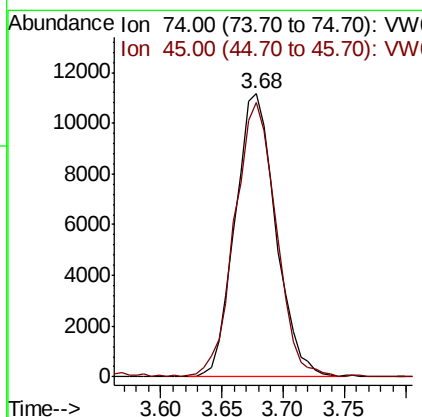
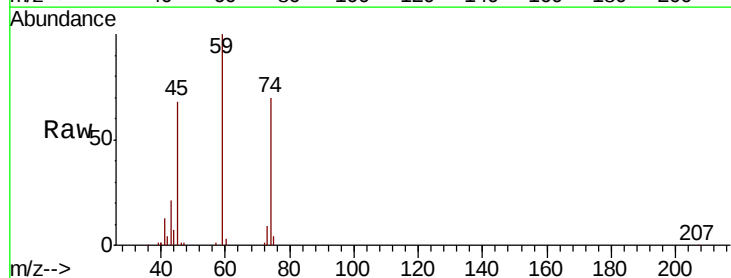
MMDadoda
 11/13/2019 9:33:25 AM

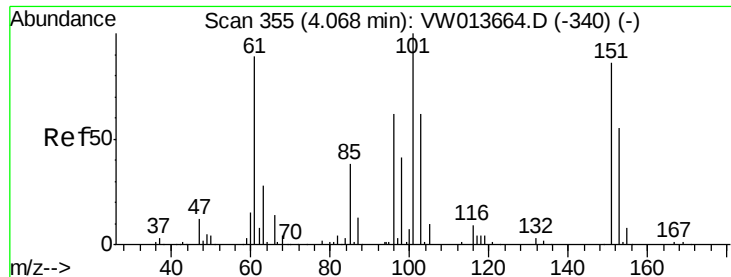


#8

Diethyl Ether
 Concen: 24.195 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.739 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

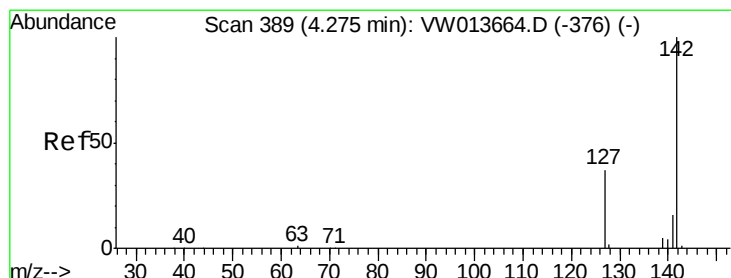
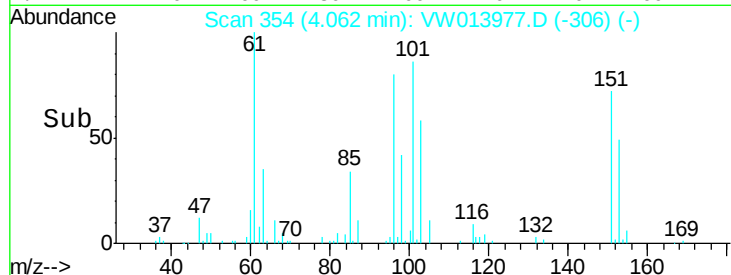
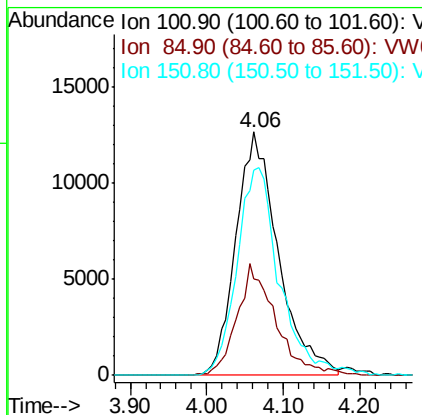
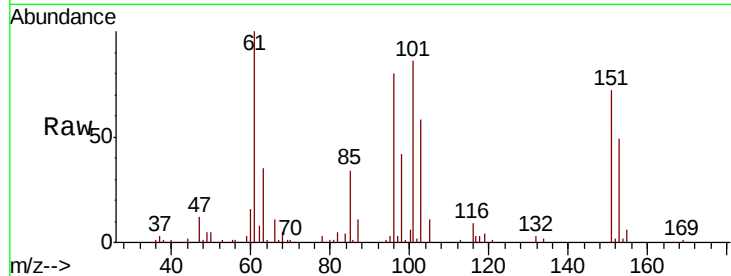
ClientSampleId :

VW1112SBSD01

Tot Ion:	101	Resp:	48737
Ion Ratio	Lower	Upper	
101	100		
85	41.8	31.0	46.6
151	85.5	68.2	102.4

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#10

Methyl Iodide

Concen: 23.480 ug/l

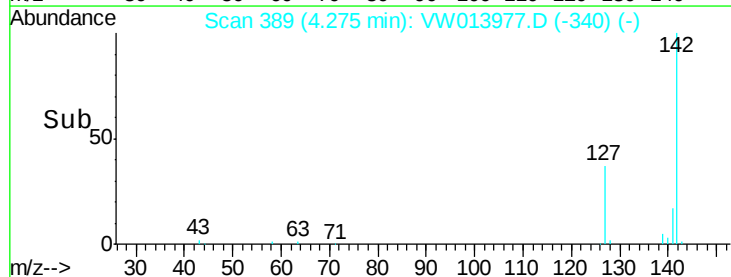
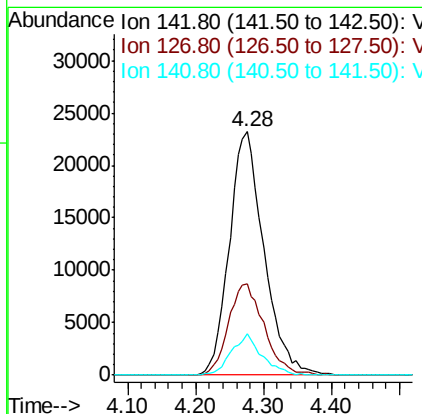
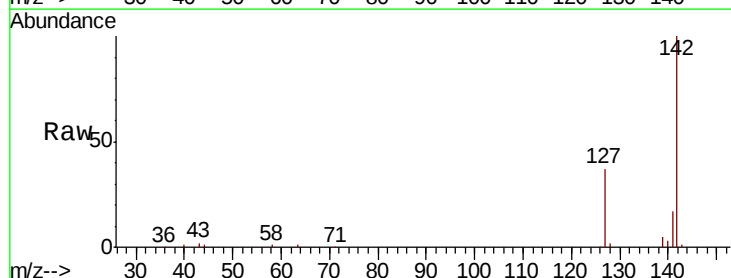
RT: 4.28 min Scan# 389

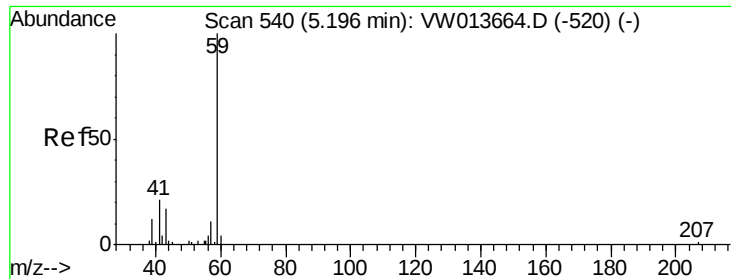
Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	142	Resp:	82006
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.3	45.5
141	14.9	11.8	17.8





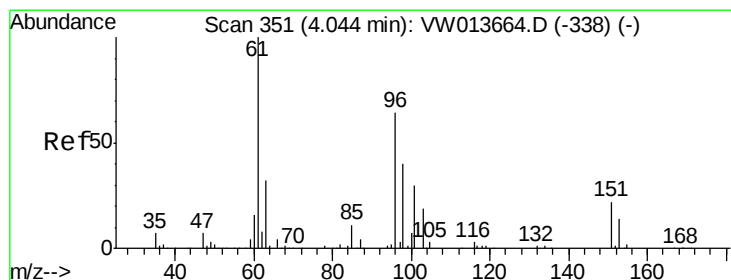
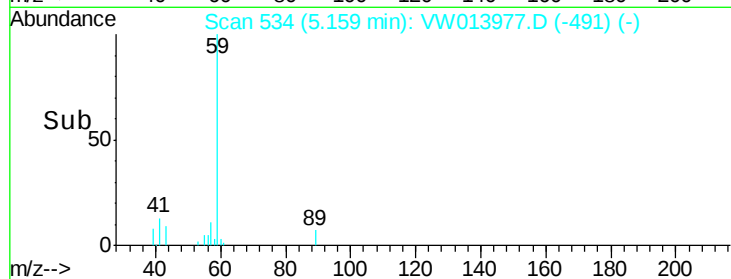
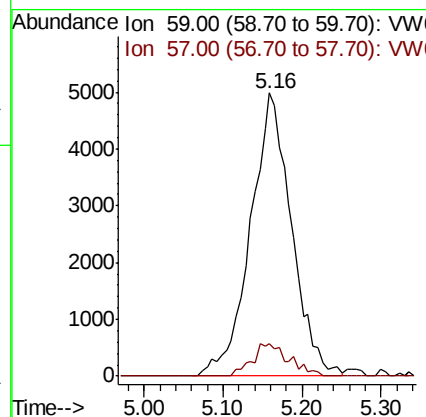
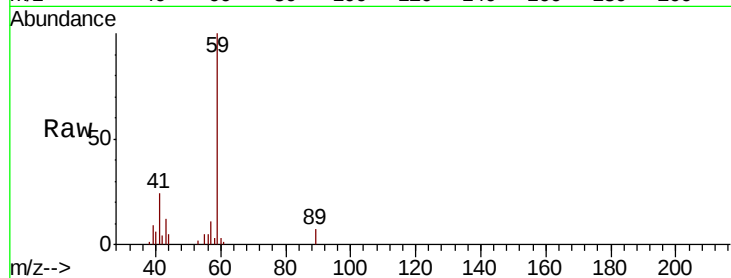
#11
Tert butyl alcohol
Concen: 162.923 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2

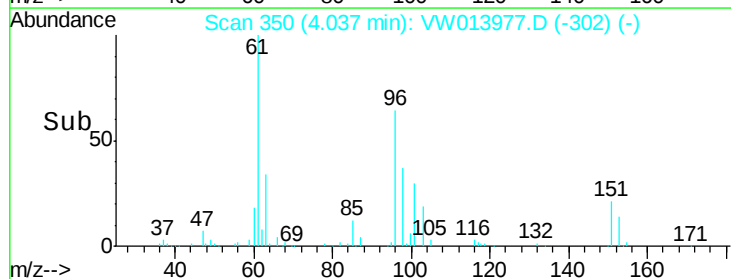
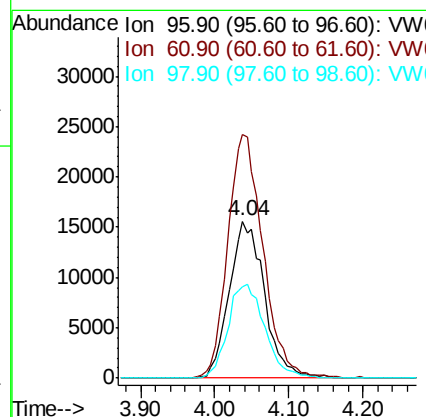
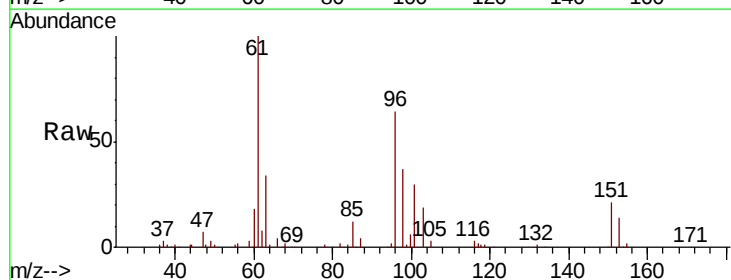
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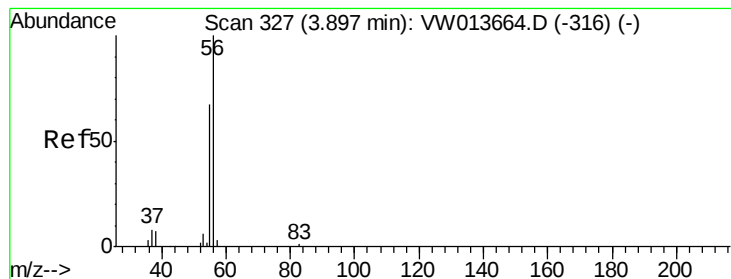
MMDadoda
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#12
1,1-Dichloroethene
Concen: 23.293 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	125.0	187.6
98	58.1	50.3	75.5





#13

Acrolein

Concen: 88.155 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion: 56 Resp: 11165

Ion Ratio Lower Upper

56 100

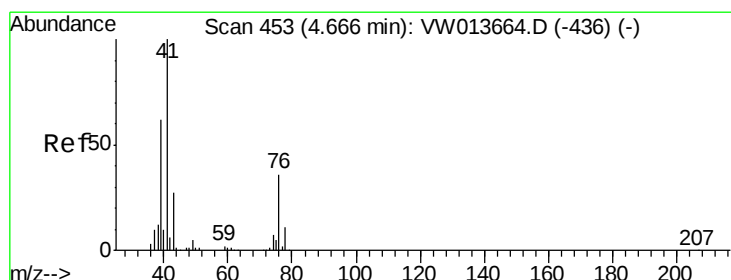
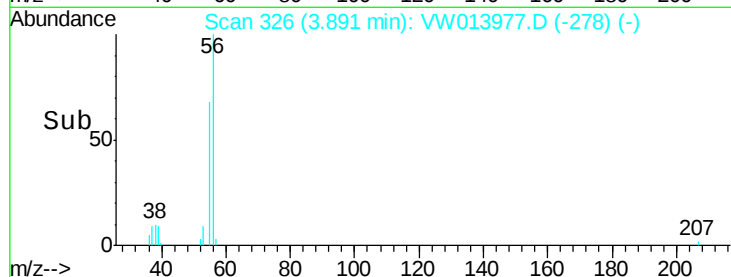
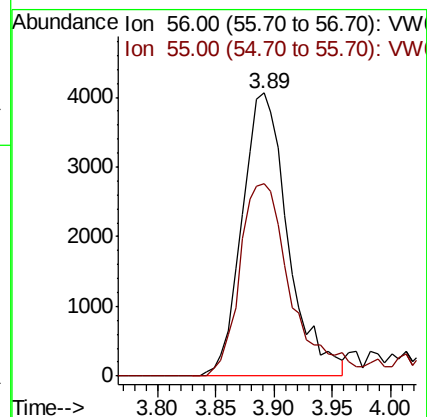
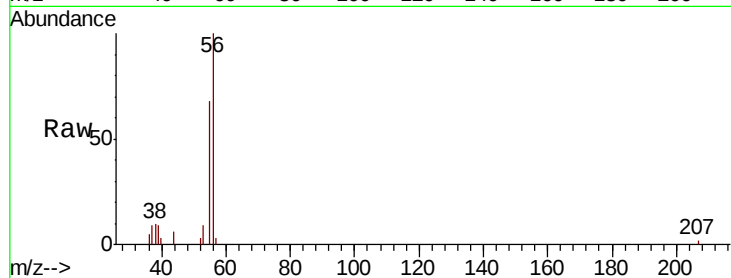
55 75.5 56.1 84.1

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#14

Allyl chloride

Concen: 21.730 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

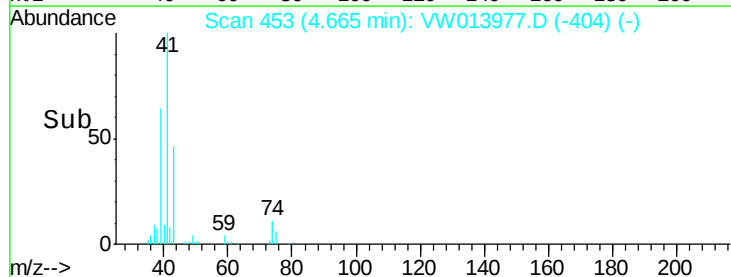
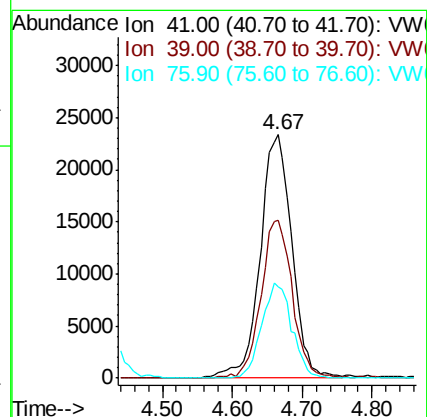
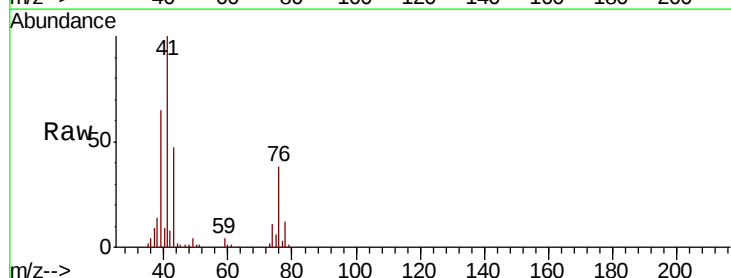
Tgt Ion: 41 Resp: 73975

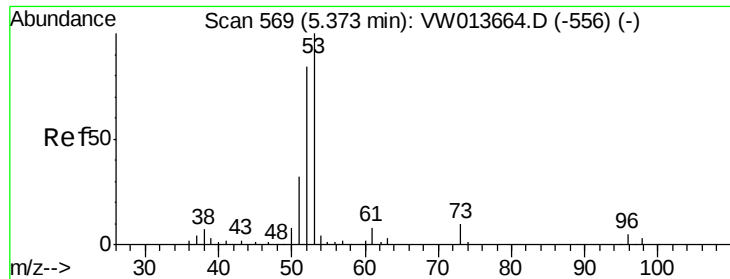
Ion Ratio Lower Upper

41 100

39 63.8 50.0 75.0

76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 124.967 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

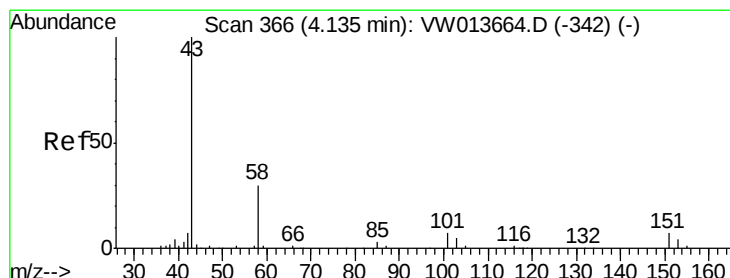
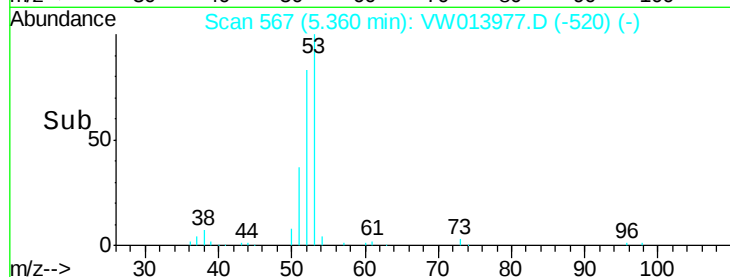
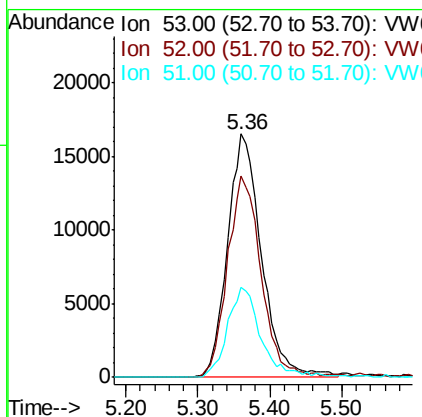
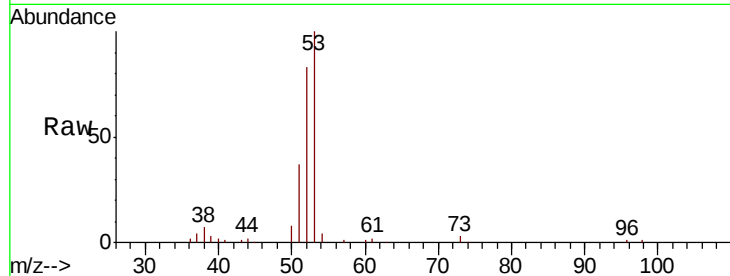
ClientSampleId :

VW1112SBS01

Tot Ion:	53	Resp:	54125
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.4	101.0
51	36.4	29.1	43.7

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#16

Acetone

Concen: 118.800 ug/l

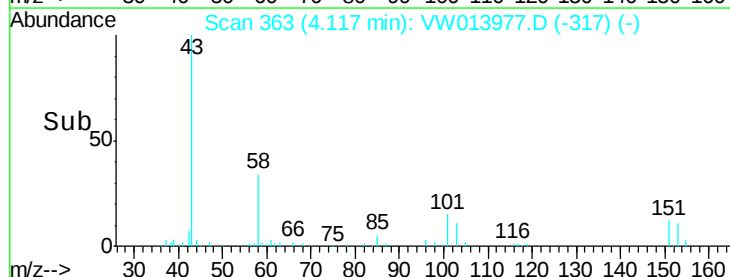
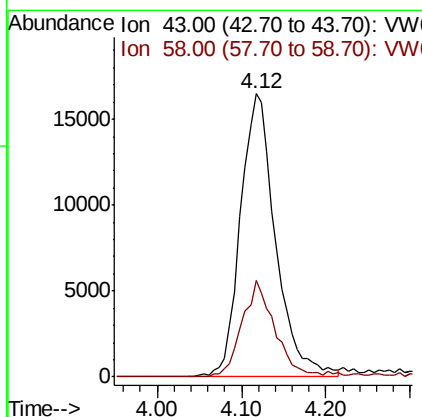
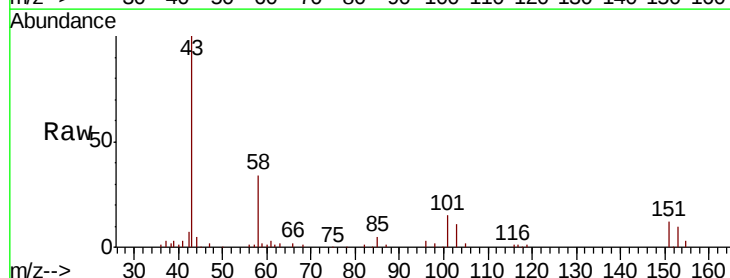
RT: 4.12 min Scan# 363

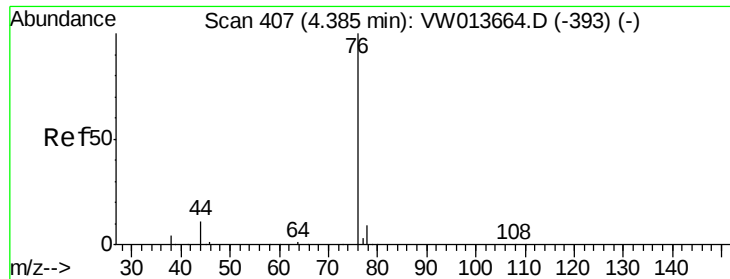
Delta R.T. -0.02 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	43	Resp:	46646
Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.1	36.1





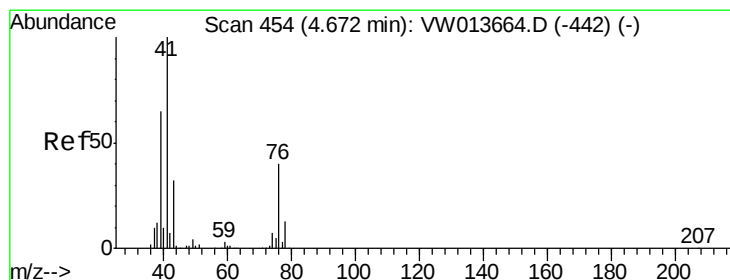
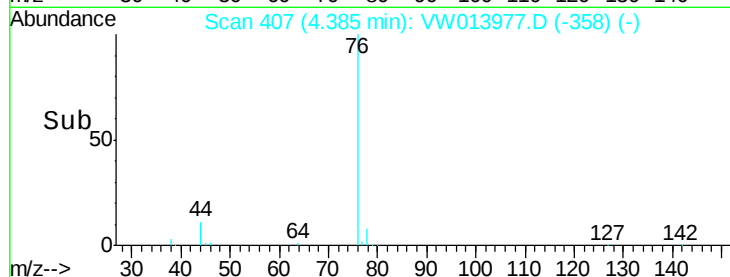
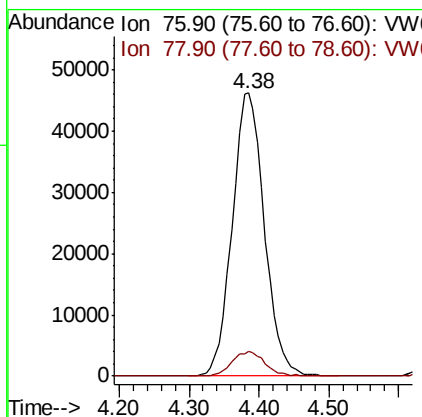
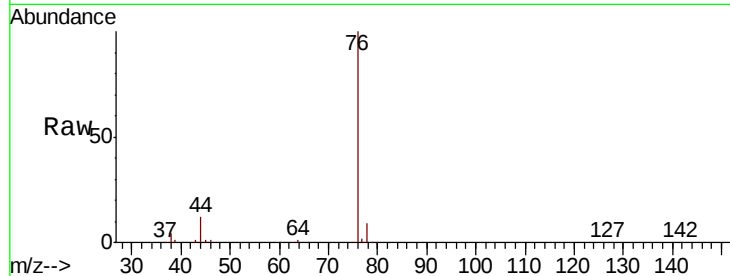
#17
Carbon Disulfide
Concen: 23.166 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

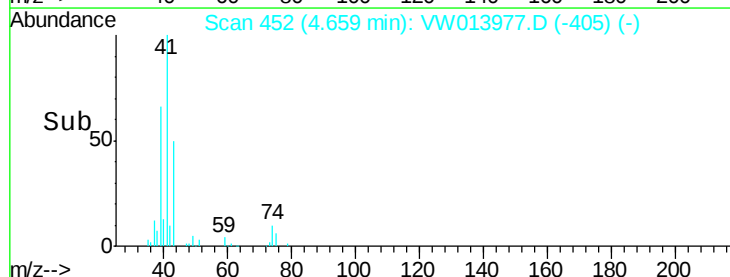
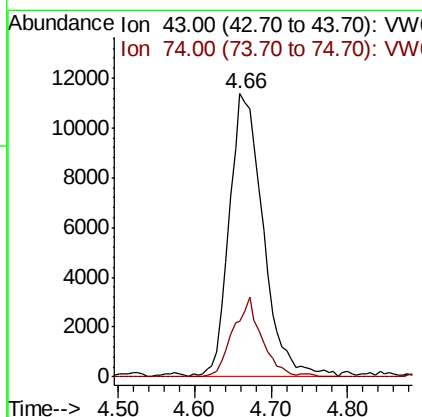
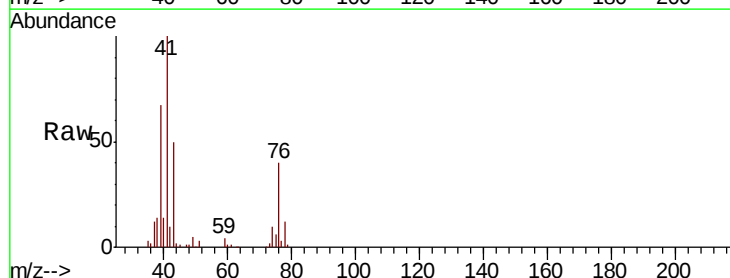
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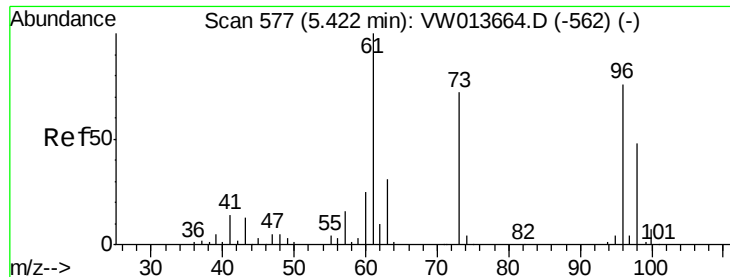
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#18
Methyl Acetate
Concen: 32.649 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.8





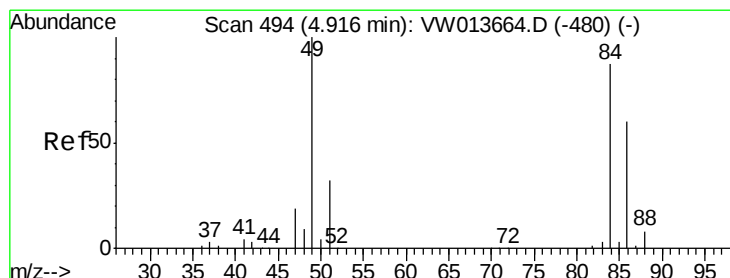
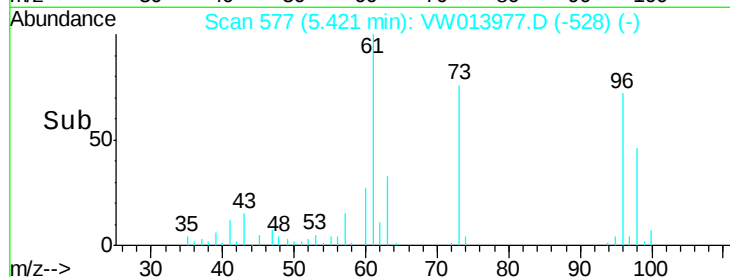
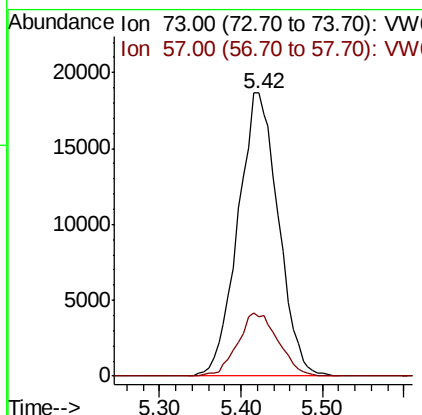
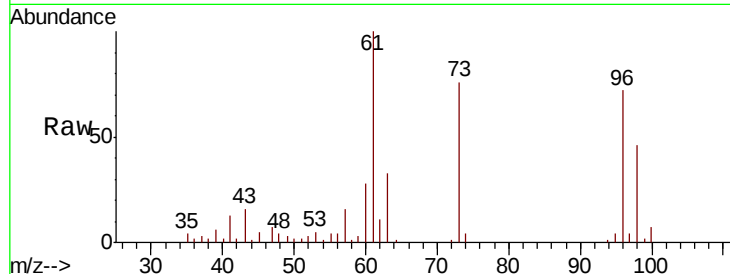
#19
Methyl tert-butyl Ether
Concen: 24.113 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion: 73 Resp: 64062
Ion Ratio Lower Upper
73 100
57 21.0 17.6 26.4

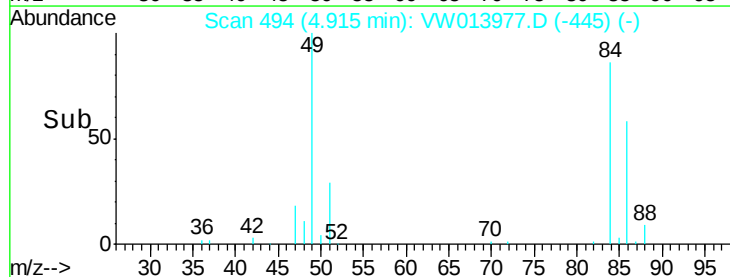
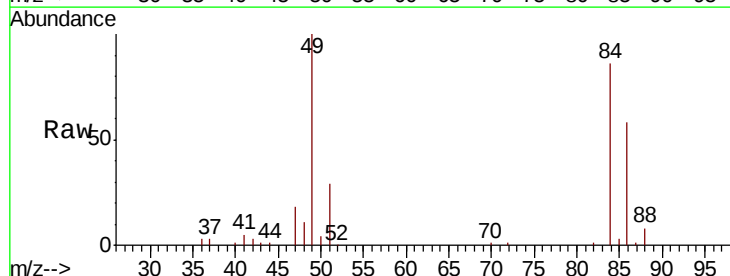
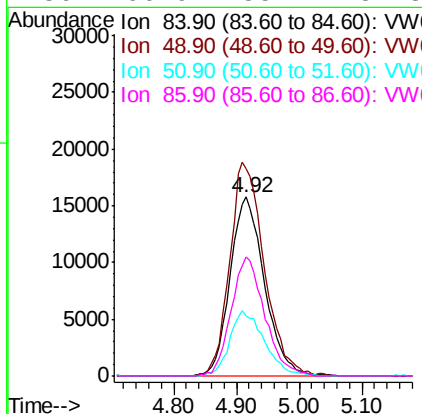
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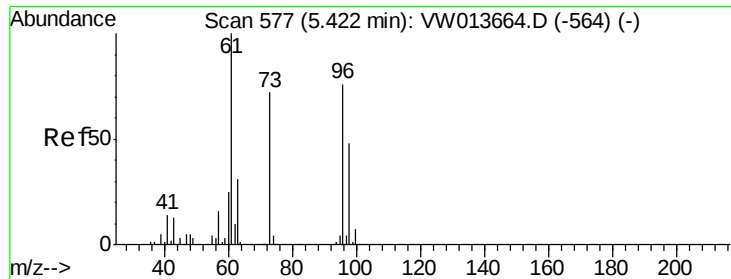
MMDadoda
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#20
Methylene Chloride
Concen: 25.302 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion: 84 Resp: 59728
Ion Ratio Lower Upper
84 100
49 116.1 91.8 137.6
51 33.3 29.8 44.6
86 66.9 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 23.122 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

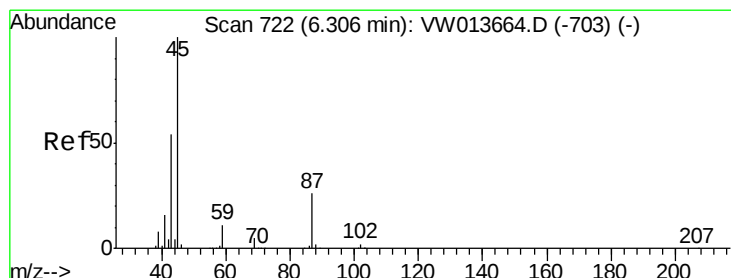
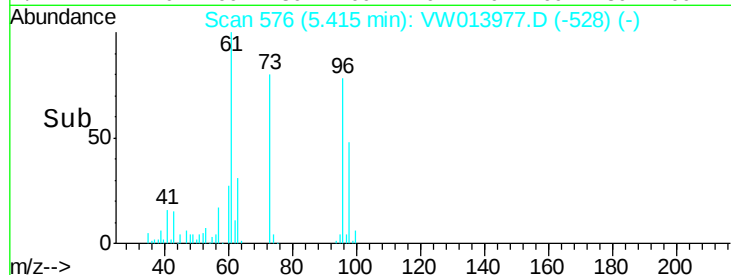
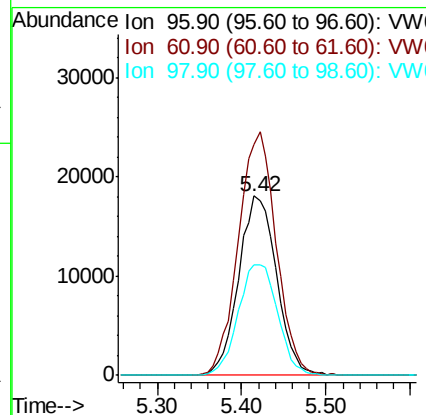
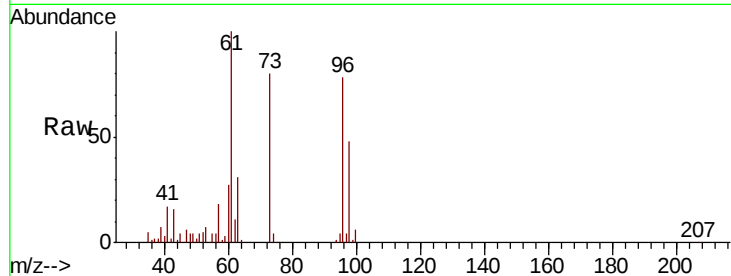
ClientSampleId :

VW1112SBSD01

Tot Ion:	96	Resp:	55096
Ion	Ratio	Lower	Upper
96	100		
61	128.5	104.8	157.2
98	61.9	50.6	76.0

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#22

Diisopropyl ether

Concen: 24.117 ug/l

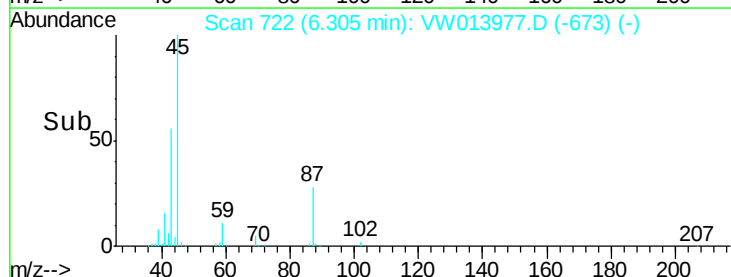
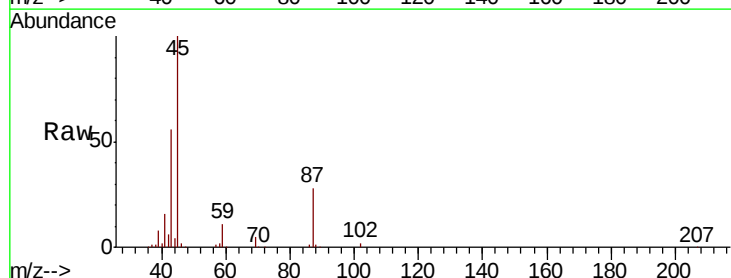
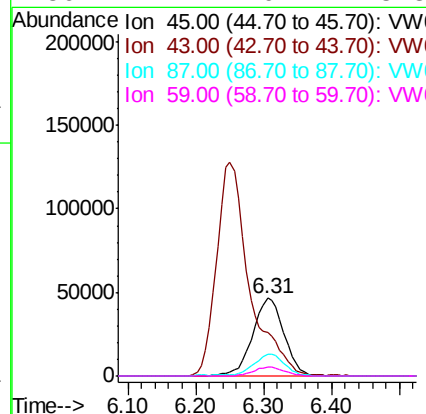
RT: 6.31 min Scan# 722

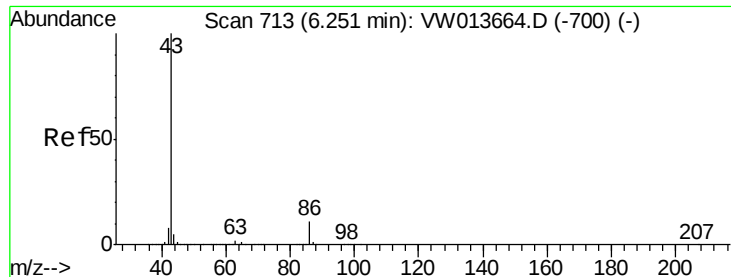
Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	45	Resp:	149762
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.4	65.2
87	27.5	21.5	32.3
59	11.1	9.2	13.8





#23

Vinyl Acetate

Concen: 119.097 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion: 43 Resp: 429120

Ion Ratio Lower Upper

43 100

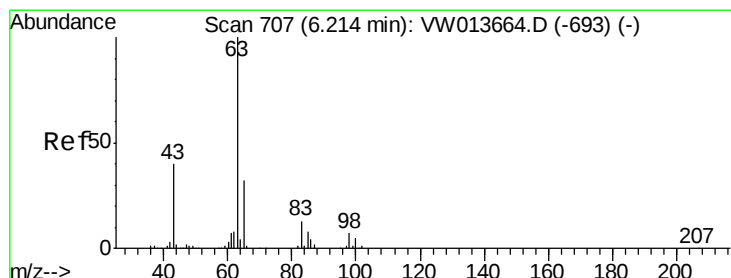
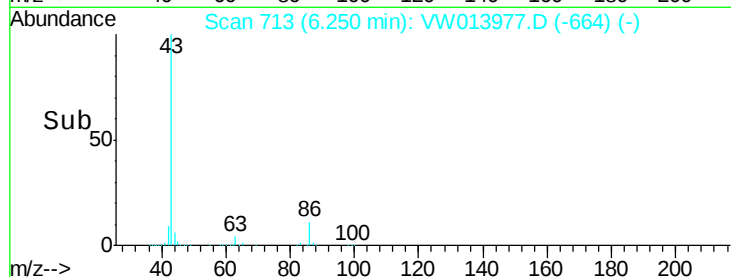
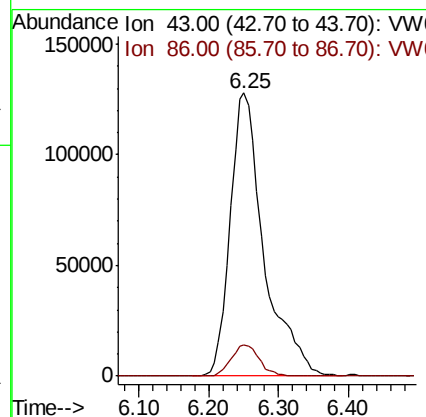
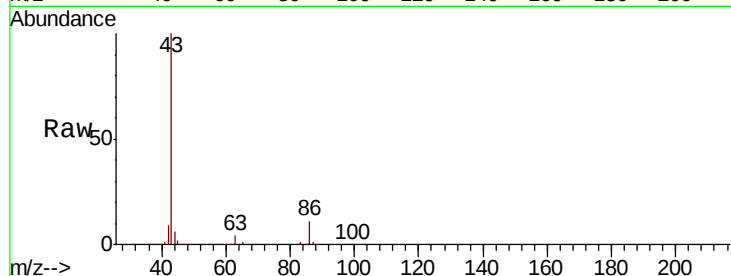
86 11.1 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 23.417 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

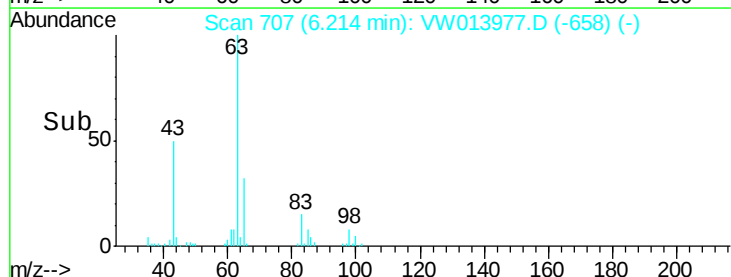
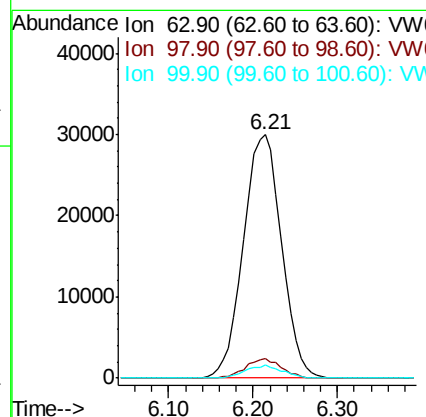
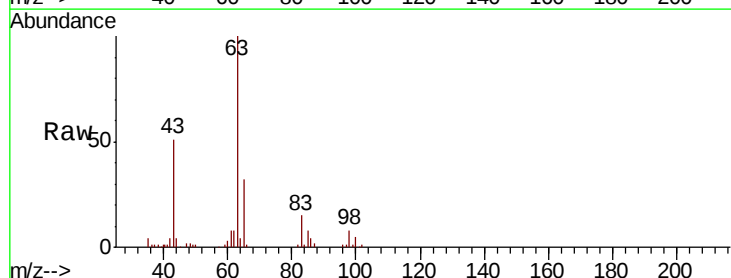
Tgt Ion: 63 Resp: 92093

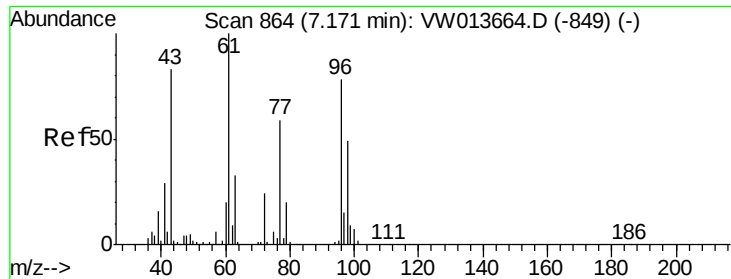
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.4 2.5 7.4





#25

2-Butanone

Concen: 130.064 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBS01

Tot Ion: 43 Resp: 73421

Ion Ratio Lower Upper

43 100

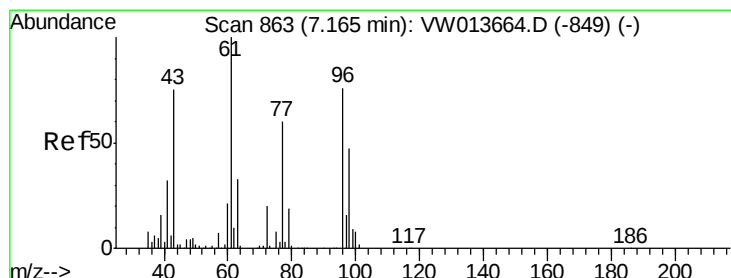
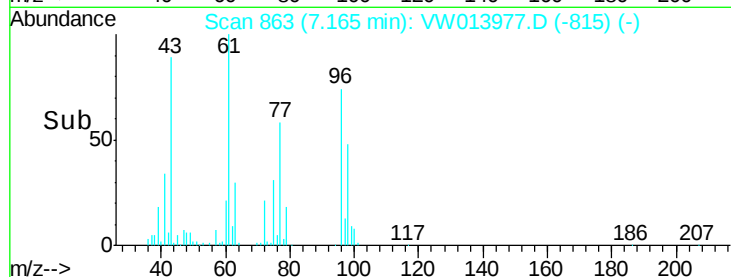
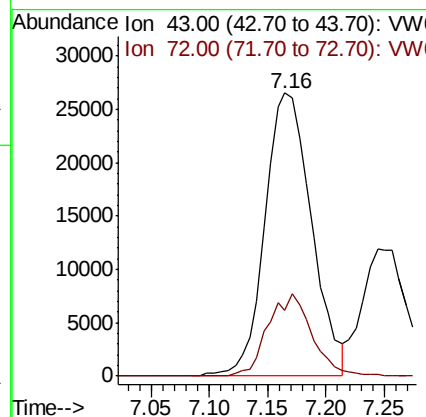
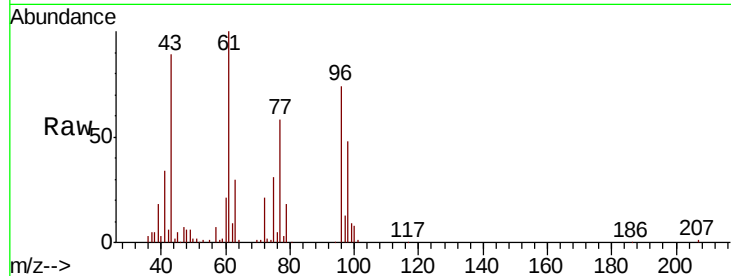
72 23.3 23.6 35.4#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.444 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013977.D

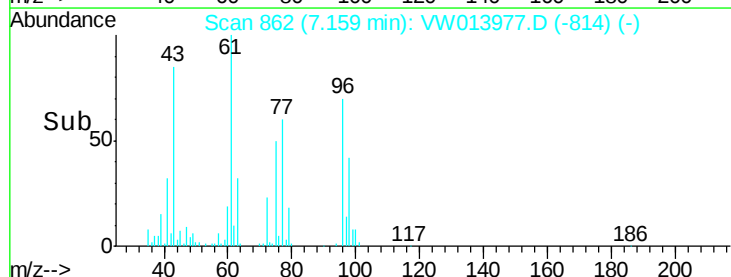
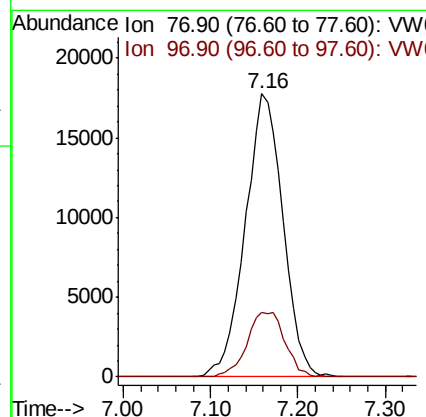
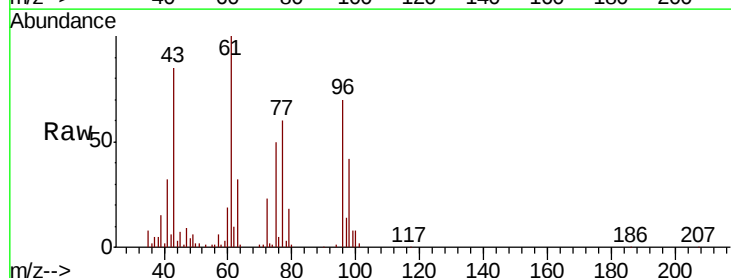
Acq: 12 Nov 2019 16:03

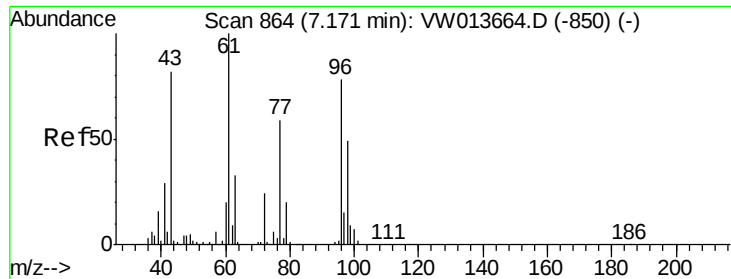
Tgt Ion: 77 Resp: 53315

Ion Ratio Lower Upper

77 100

97 23.0 12.8 38.4





#27

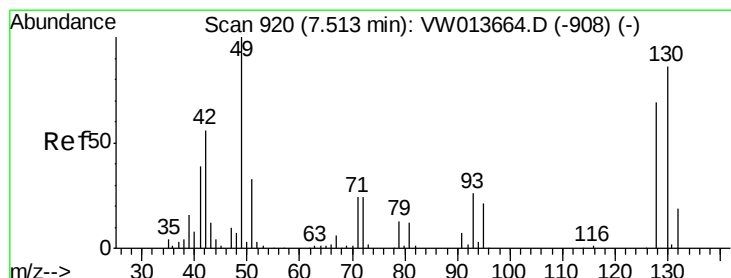
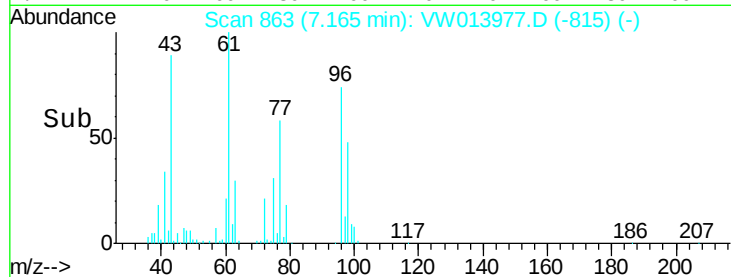
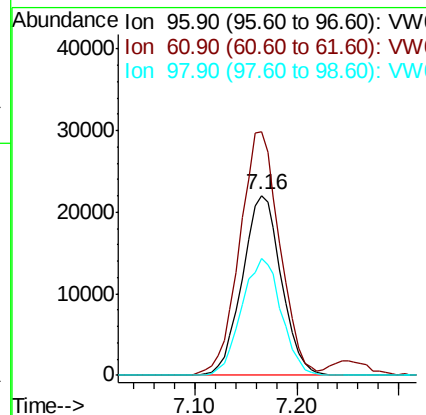
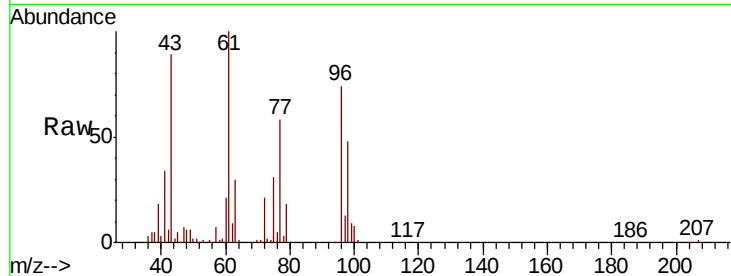
cis-1,2-Dichloroethene
 Concen: 23.138 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	266.0
98	66.0	0.0	126.8

Manual Integrations
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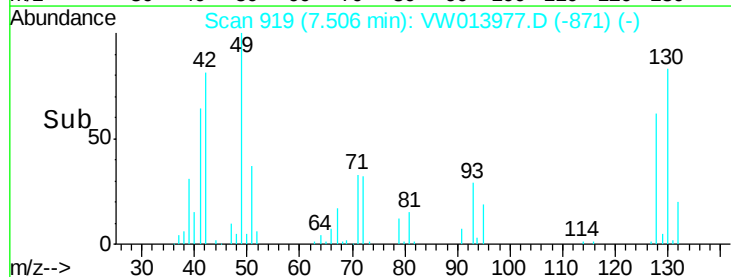
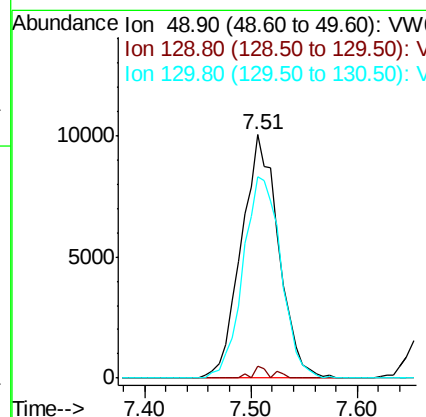
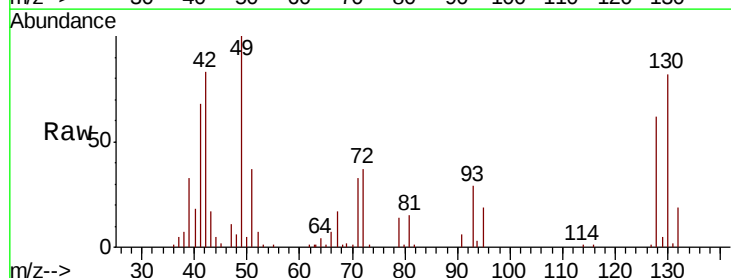
MMDadoda
 11/13/2019 9:33:25 AM

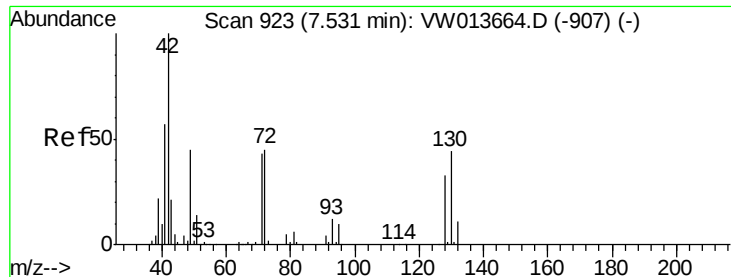


#28

Bromochloromethane
 Concen: 18.496 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	0.6#
130	84.1	67.5	101.3





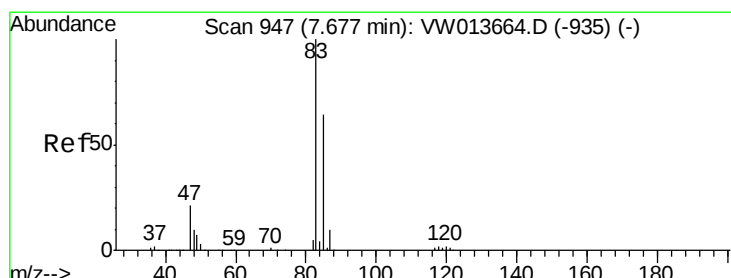
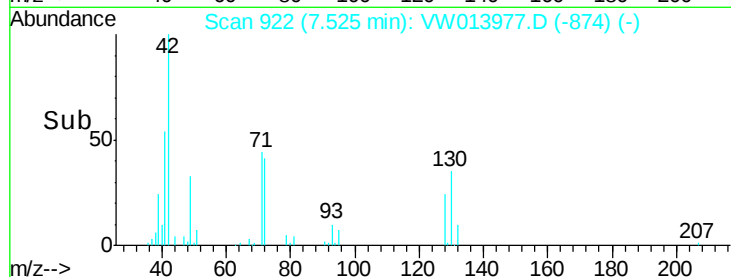
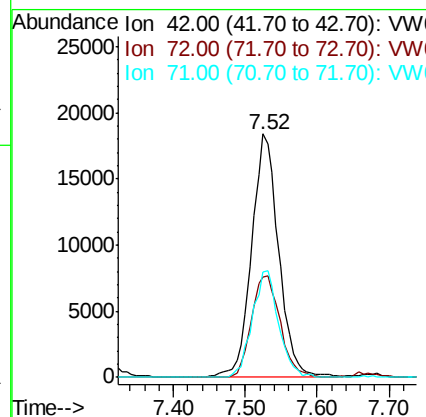
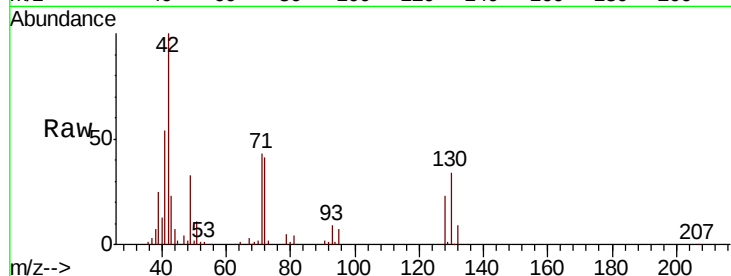
#29
Tetrahydrofuran
Concen: 137.554 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	42.5	33.3	49.9

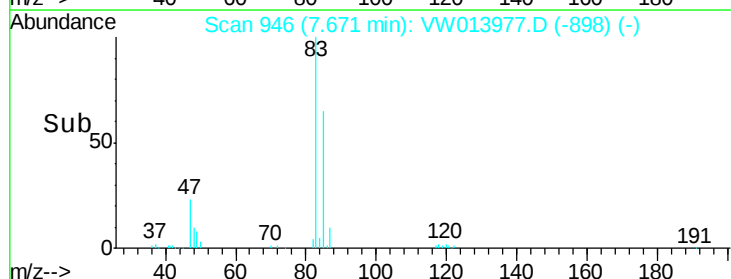
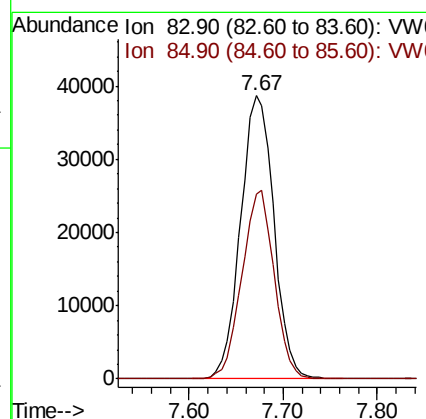
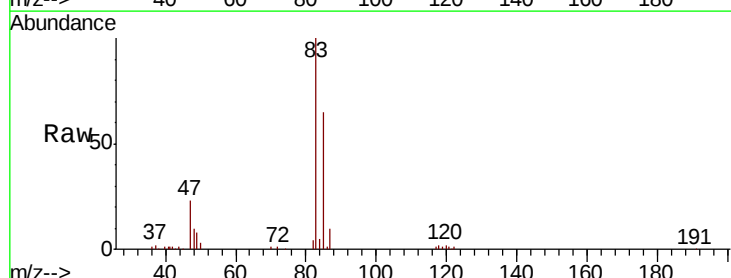
Manual Integrations
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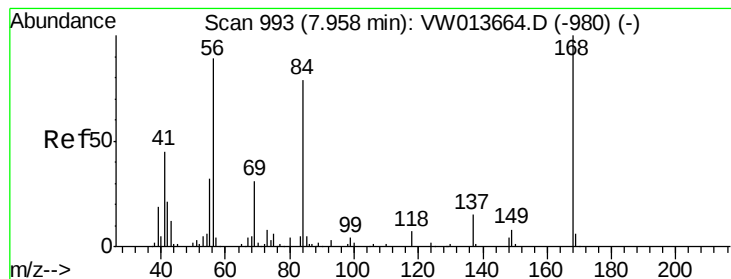
MMDadoda
11/13/2019 9:33:25 AM



#30
Chloroform
Concen: 24.586 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31

Cyclohexane

Concen: 21.672 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

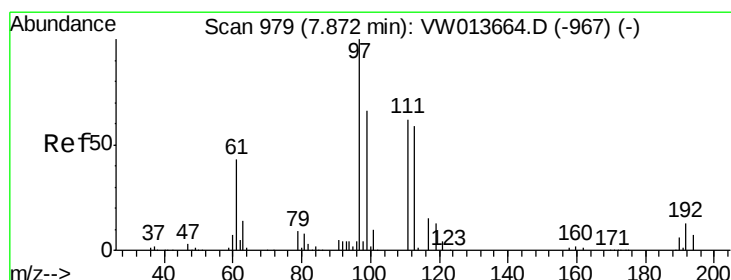
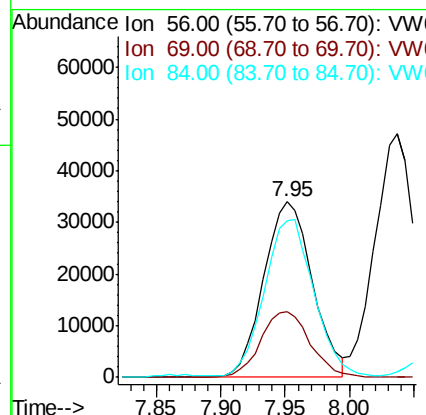
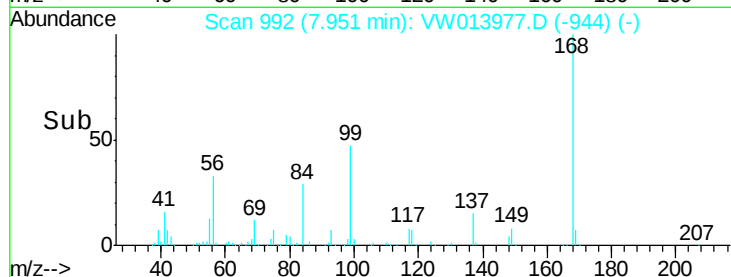
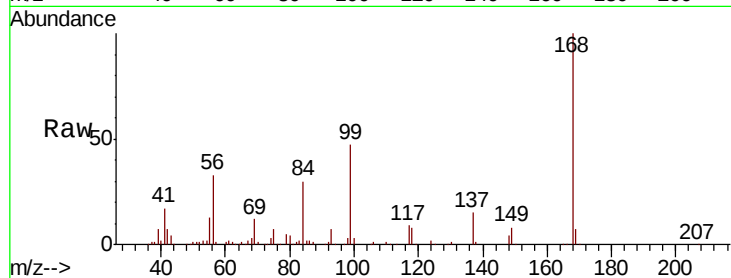
ClientSampleId :

VW1112SBSD01

Tot Ion:	56	Resp:	89194
Ion Ratio	Lower	Upper	
56	100		
69	37.5	27.5	41.3
84	88.3	70.8	106.2

Manual Integrations
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11/13/2019 9:33:25 AM



#32

1,1,1-Trichloroethane

Concen: 23.526 ug/l

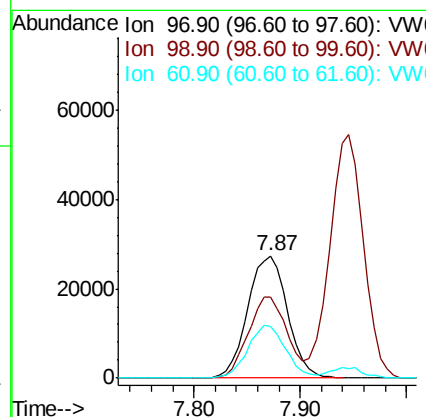
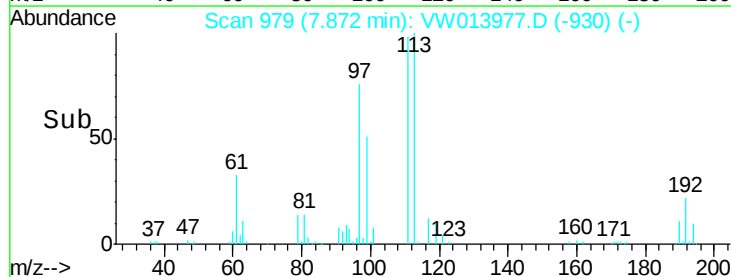
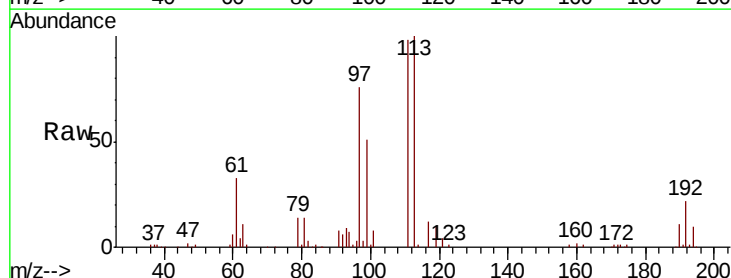
RT: 7.87 min Scan# 979

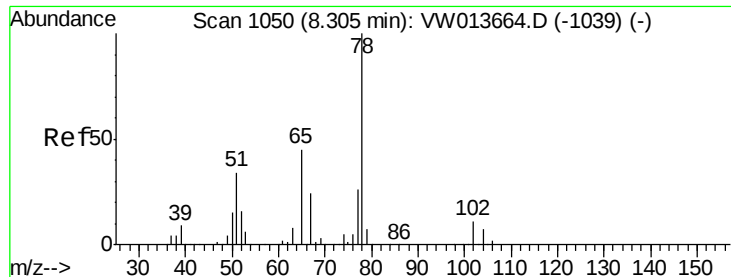
Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	97	Resp:	71774
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.0	78.0
61	41.5	33.8	50.6





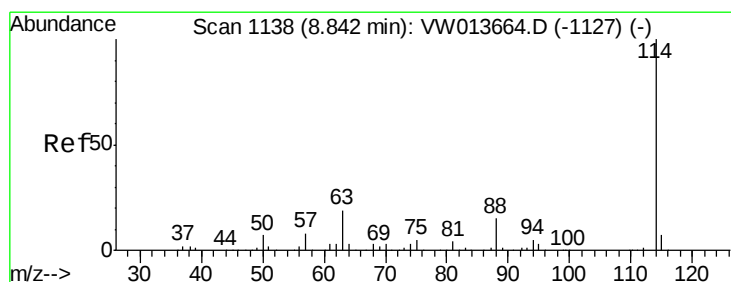
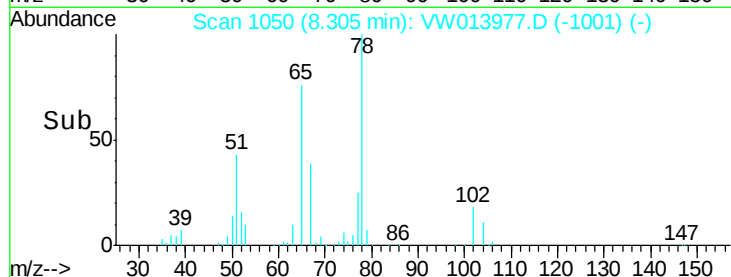
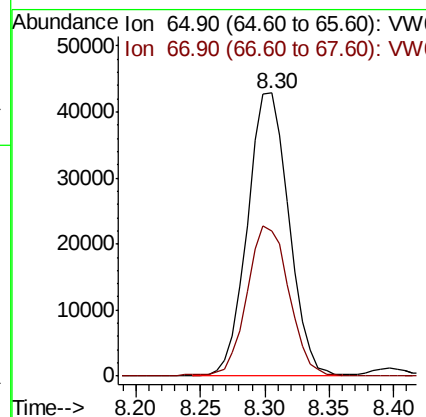
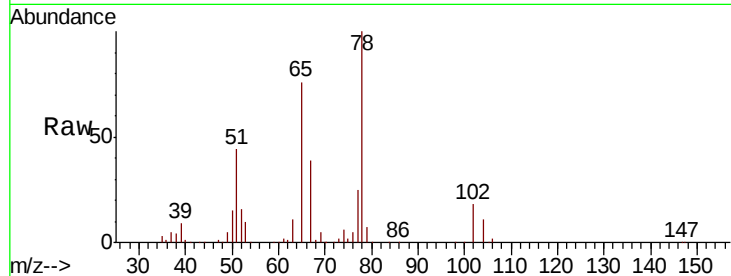
#33
 1,2-Dichloroethane-d4
 Concen: 51.519 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95404		
67	54.2	0.0	109.4	

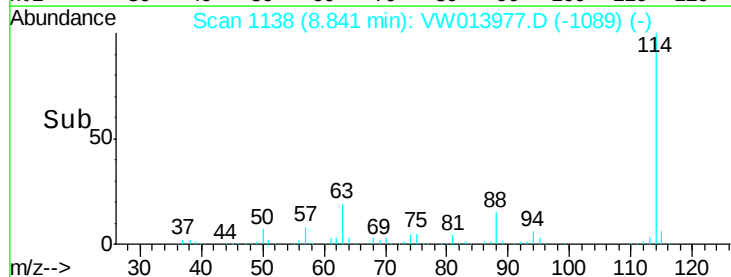
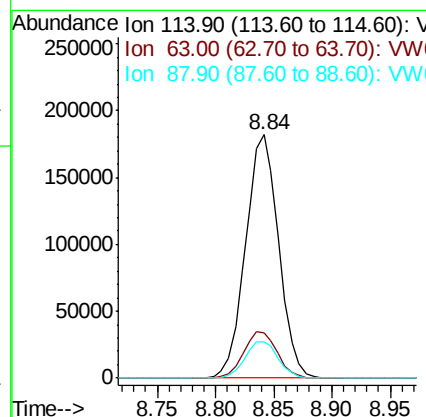
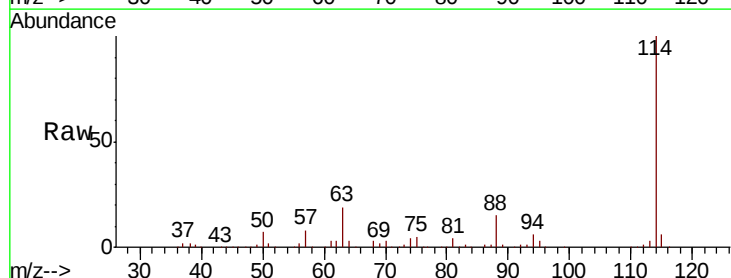
Manual Integrations
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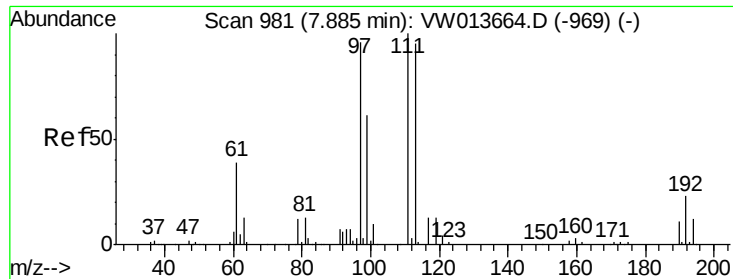
MMDadoda
 11/13/2019 9:33:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	359316		
63	18.7	0.0	37.6	
88	14.7	0.0	30.2	





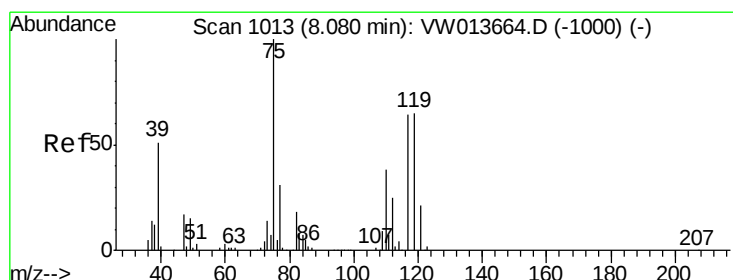
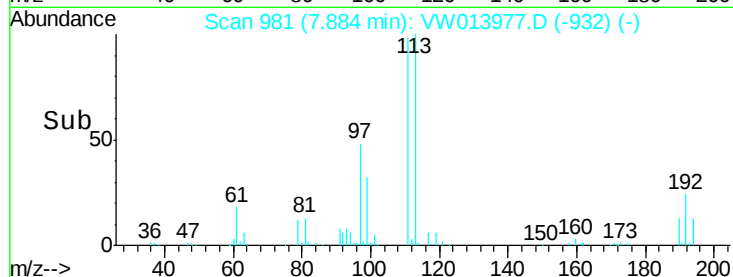
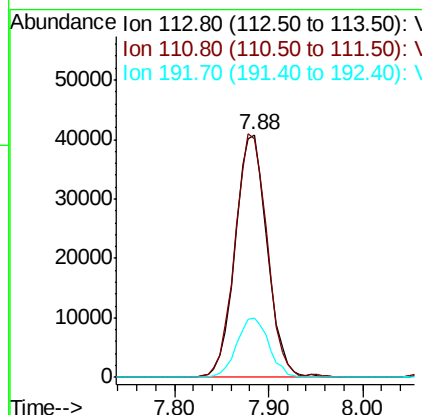
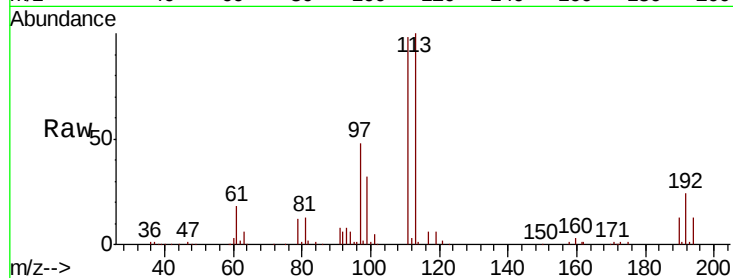
#35
Dibromofluoromethane
Concen: 48.343 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96520		
111	100.4	83.0	124.6	
192	24.6	19.4	29.2	

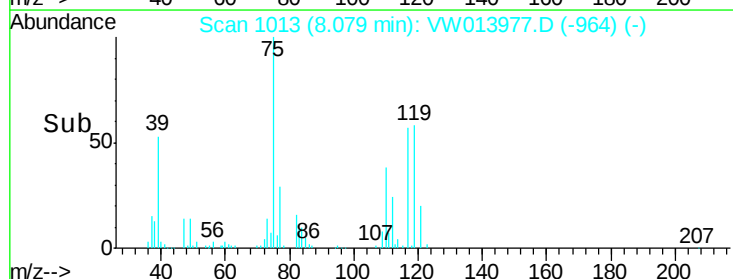
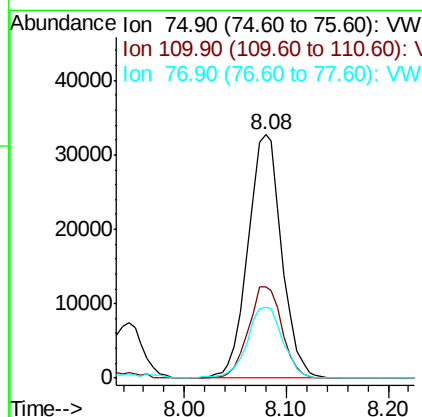
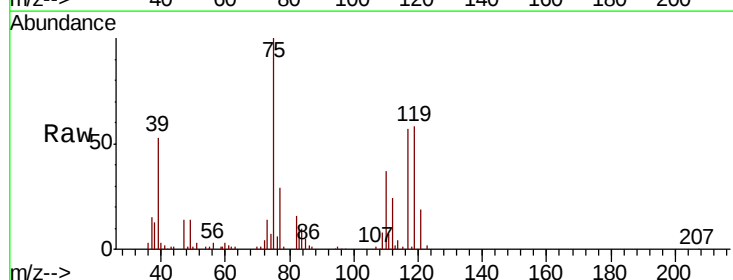
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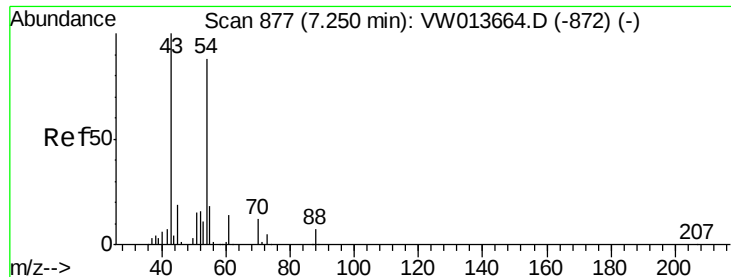
MMDadoda
11/13/2019 9:33:25 AM



#36
1,1-Dichloropropene
Concen: 22.500 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75291		
110	37.5	18.7	56.1	
77	30.8	25.4	38.0	





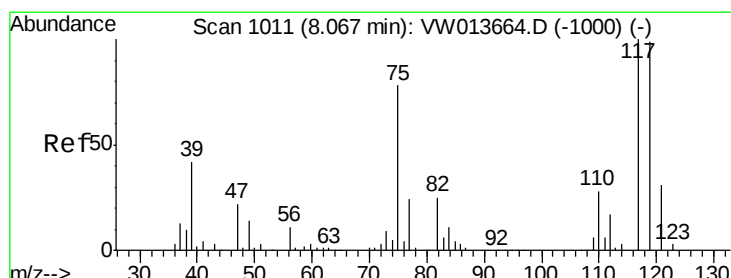
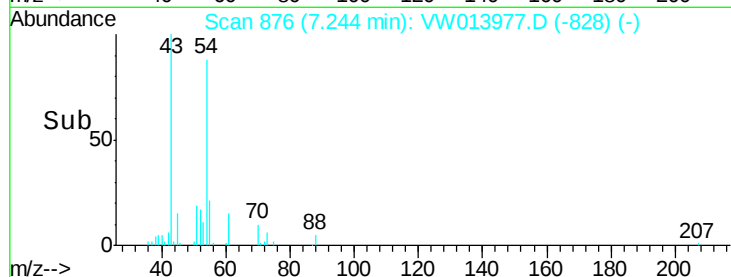
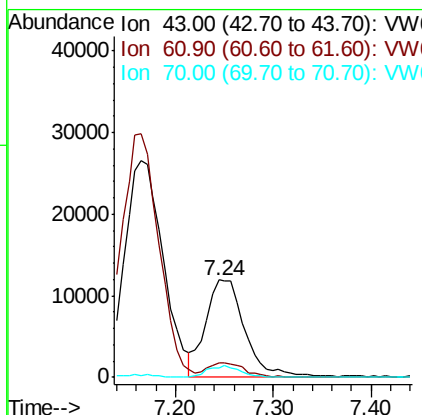
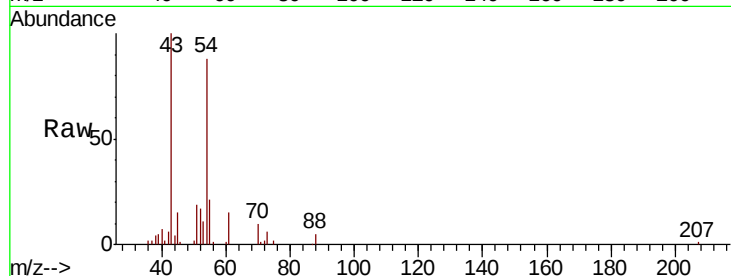
#37
Ethyl Acetate
Concen: 25.701 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	10.4	8.8	13.2

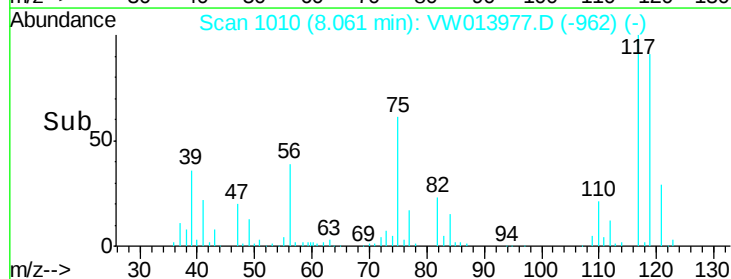
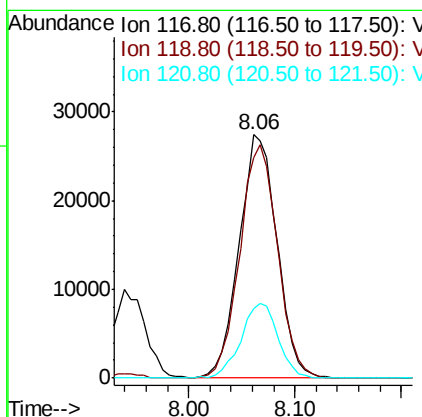
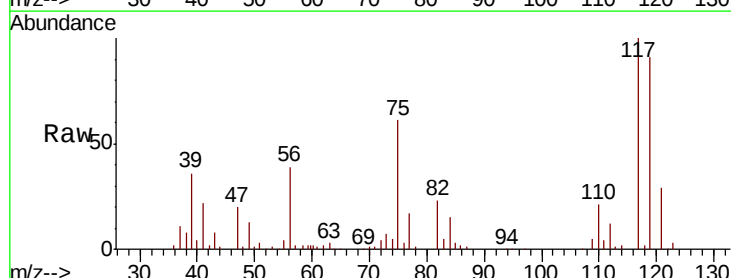
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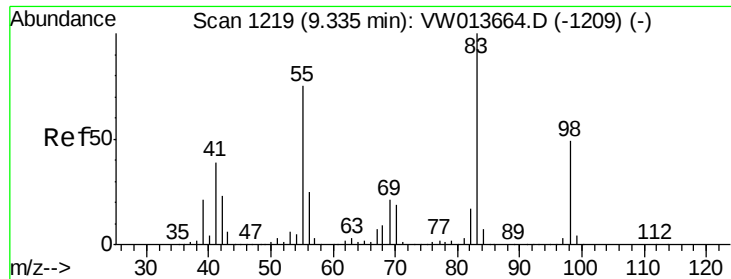
MMDadoda
11/13/2019 9:33:25 AM



#38
Carbon Tetrachloride
Concen: 22.723 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	79.0	118.4
121	28.5	24.5	36.7





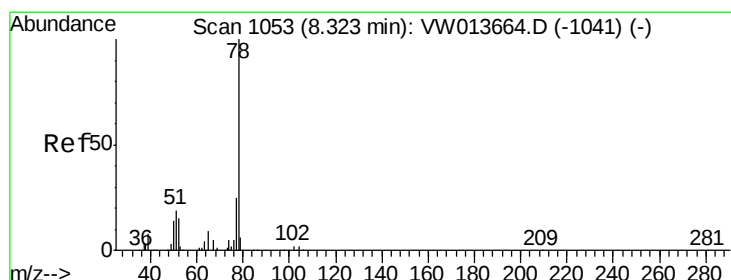
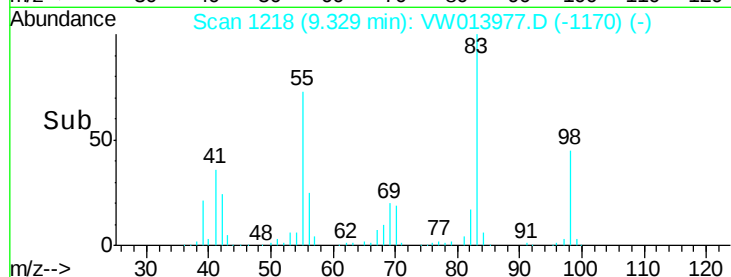
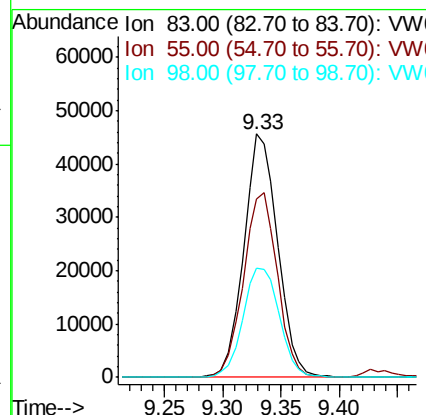
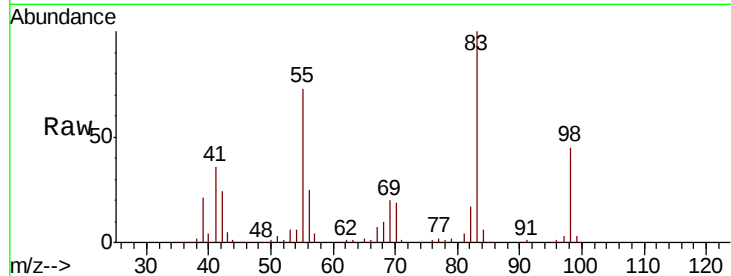
#39
Methvlcvclohexane
Concen: 21.446 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	83	Resp	92677
Ion Ratio	100	Lower	Upper
83	100		
55	73.1	59.9	89.9
98	44.7	39.4	59.2

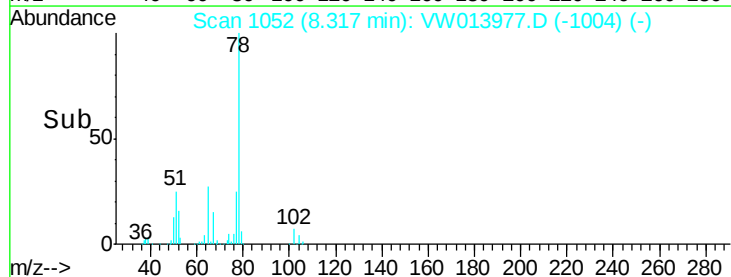
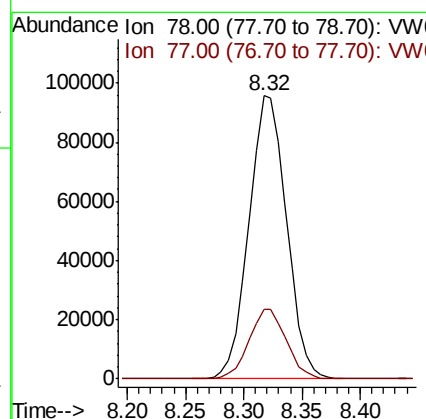
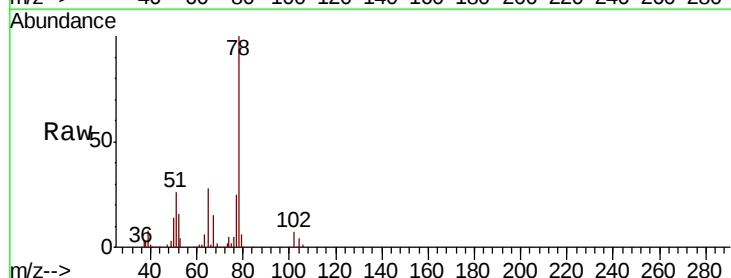
Manual Integrations
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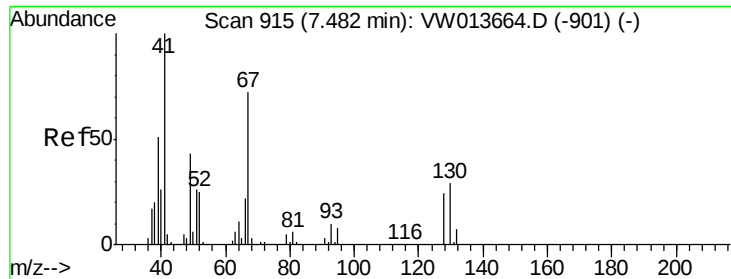
MMDadoda
11/13/2019 9:33:25 AM



#40
Benzene
Concen: 22.810 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	78	Resp	216019
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	19.6	29.4





#41

Methacrylonitrile

Concen: 24.739 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion: 41 Resp: 19762

Ion Ratio Lower Upper

41 100

39 50.4 44.8 67.2

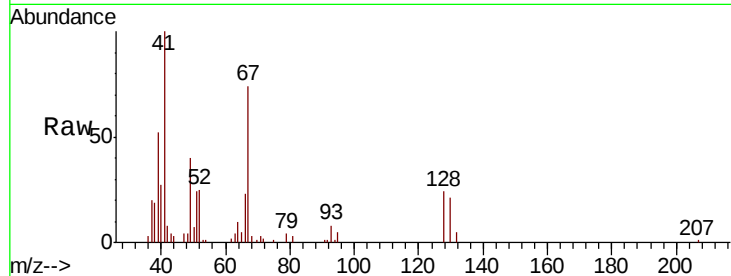
67 72.5 59.3 88.9

52 26.6 23.4 35.0

Manual Integrations
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11/13/2019 9:33:25 AM

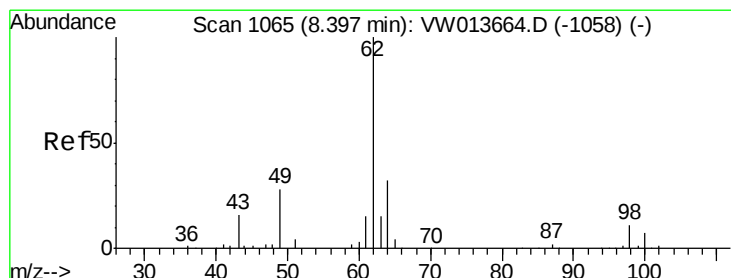
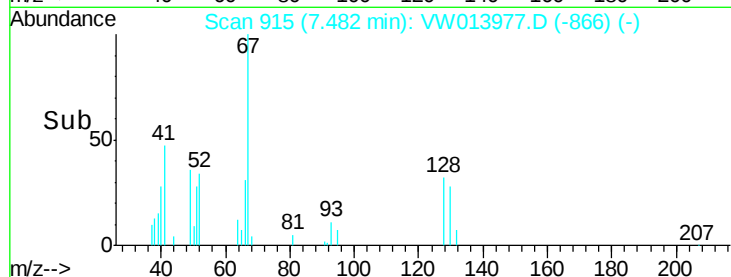
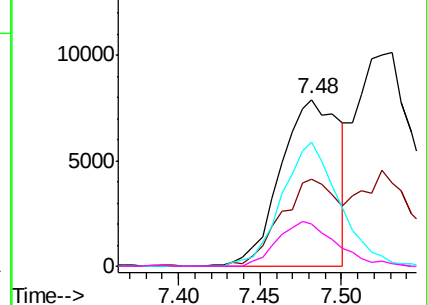


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 23.595 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013977.D

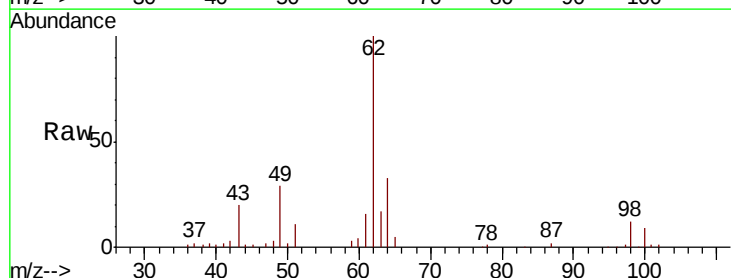
Acq: 12 Nov 2019 16:03

Tgt Ion: 62 Resp: 56309

Ion Ratio Lower Upper

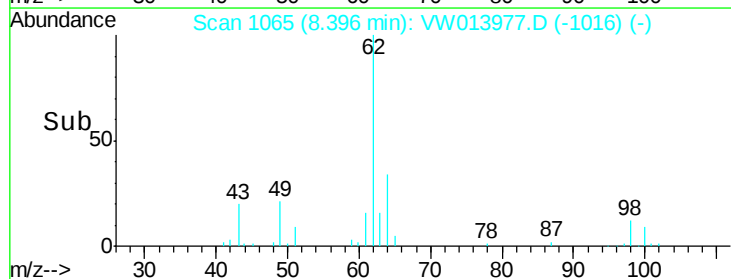
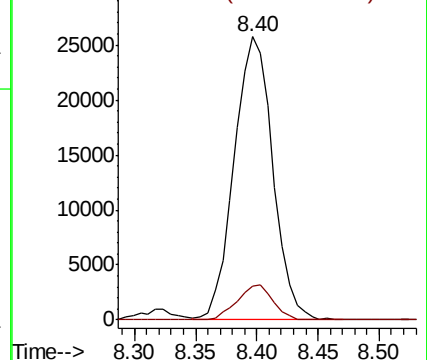
62 100

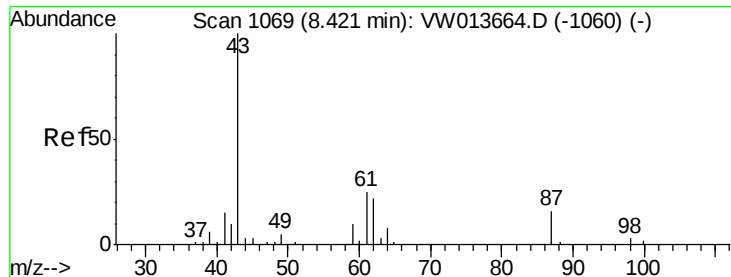
98 11.7 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 24.677 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

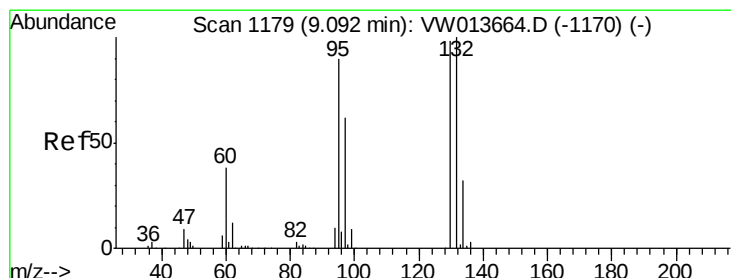
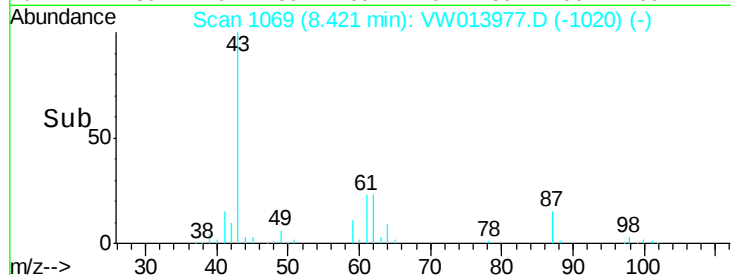
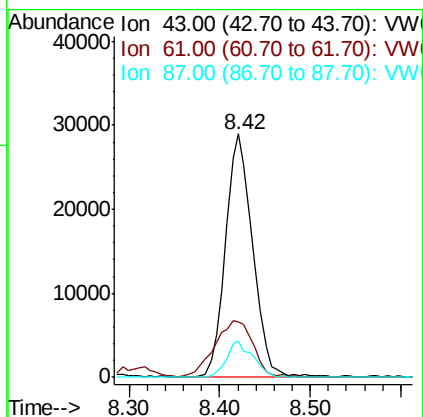
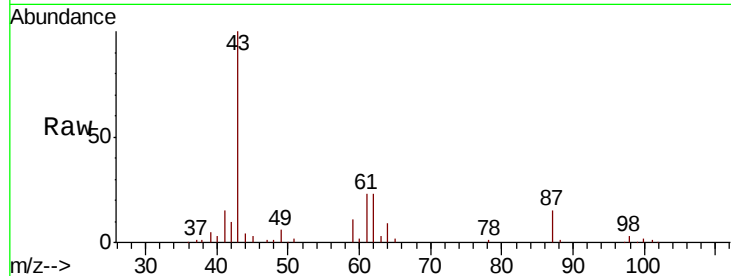
ClientSampleId :

VW1112SBSD01

Tot Ion:	43	Resp:	60507
Ion	Ratio	Lower	Upper
43	100		
61	33.1	26.1	39.1
87	14.3	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 22.174 ug/l

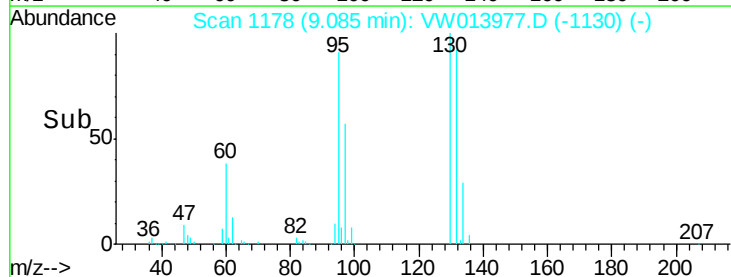
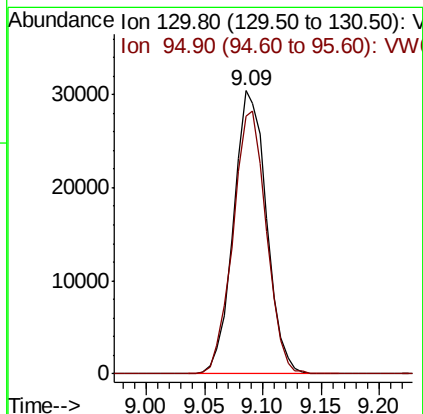
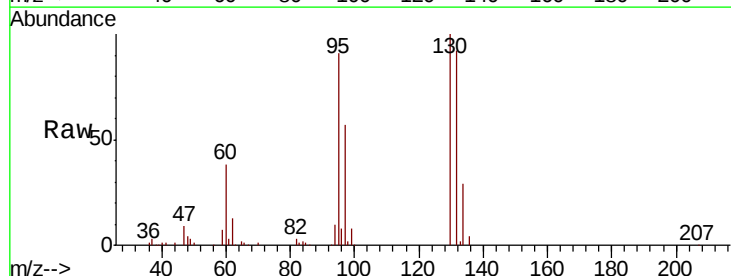
RT: 9.09 min Scan# 1178

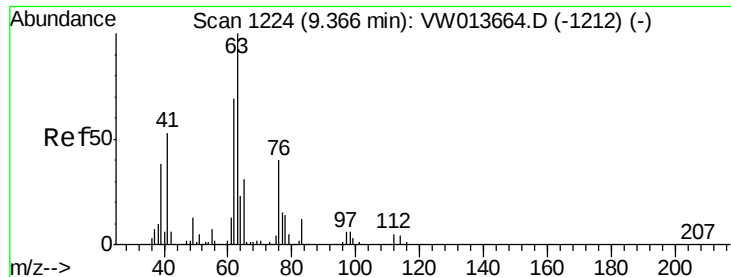
Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	130	Resp:	60151
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	184.6





#45

1,2-Dichloropropane

Concen: 22.636 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion: 63 Resp: 51204

Ion Ratio Lower Upper

63 100

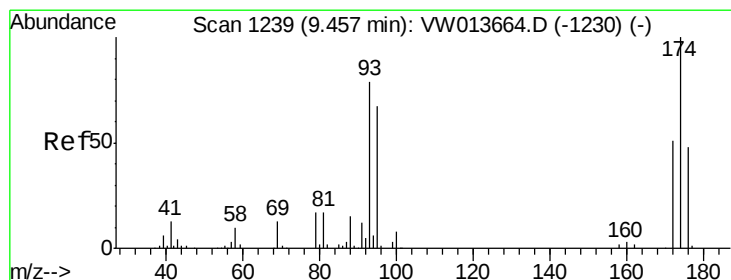
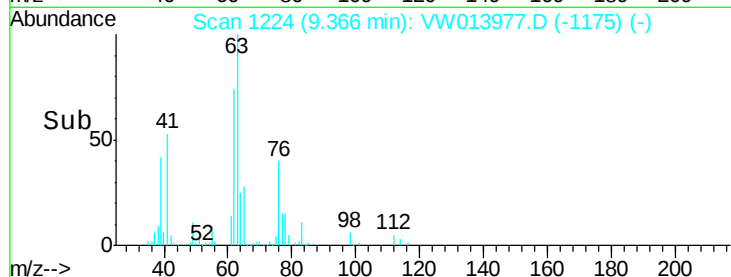
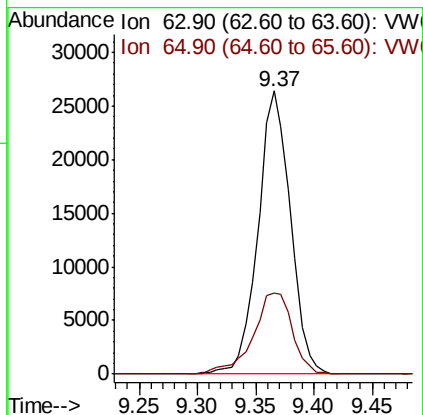
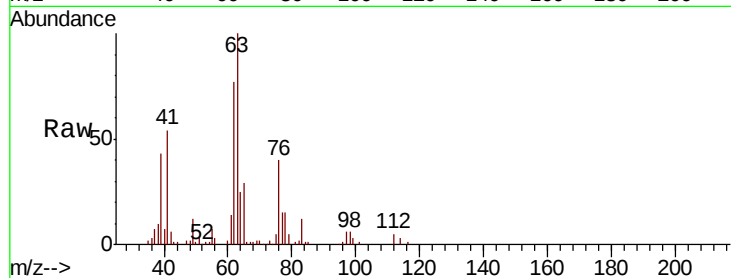
65 28.6 25.2 37.8

Manual Integrations

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MMDadoda

11/13/2019 9:33:25 AM



#46

Dibromomethane

Concen: 24.233 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

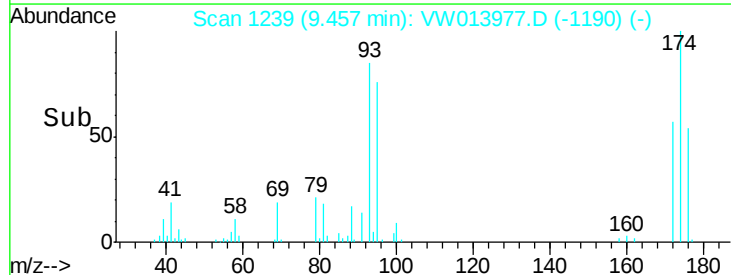
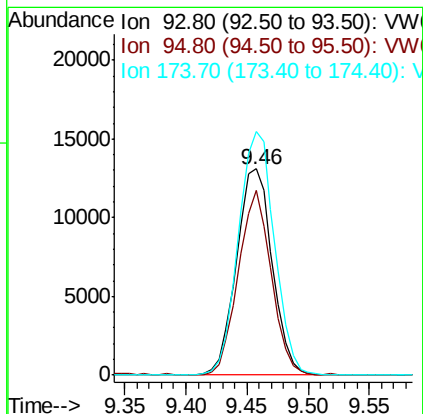
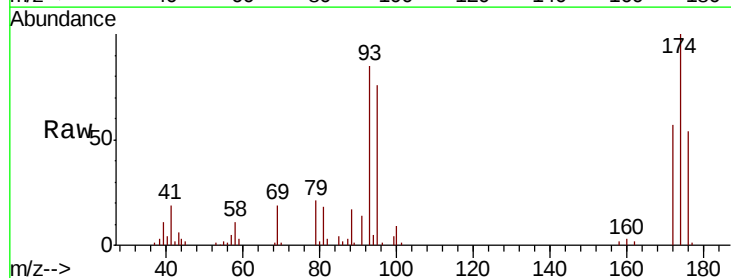
Tgt Ion: 93 Resp: 26605

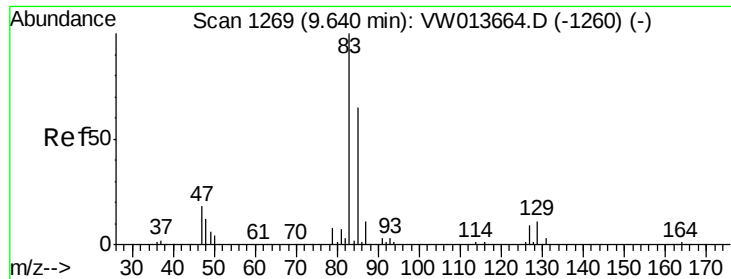
Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

174 119.1 99.6 149.4





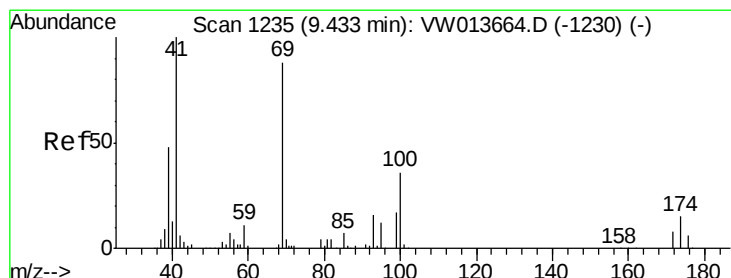
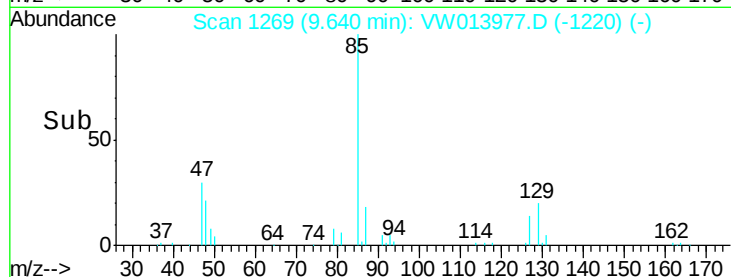
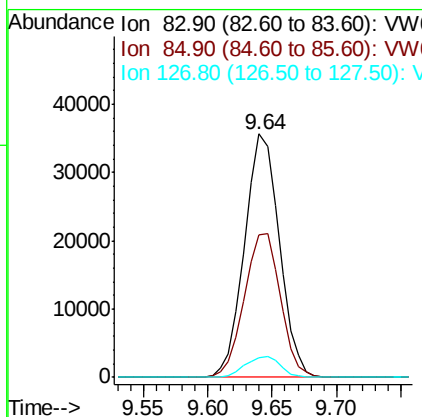
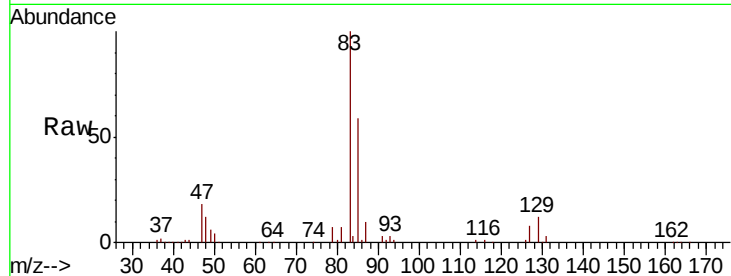
#47
 Bromodichloromethane
 Concen: 23.473 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	83	Resp	66679
Ion Ratio	100	Lower	Upper
83	100		
85	58.6	51.8	77.6
127	8.0	7.3	10.9

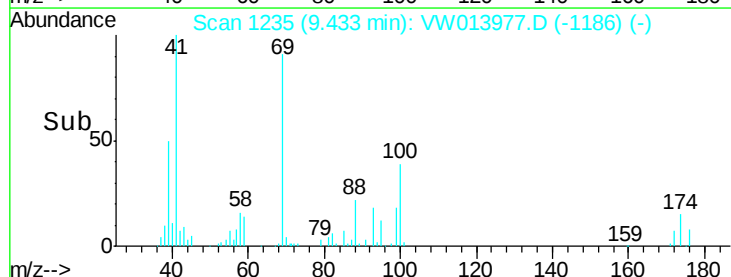
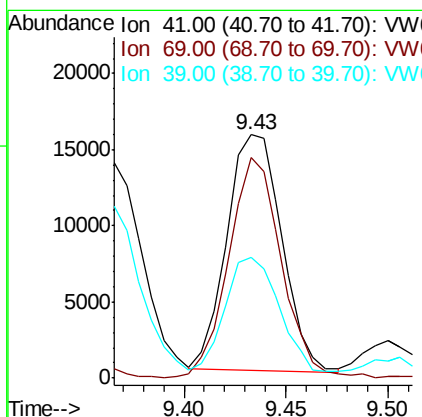
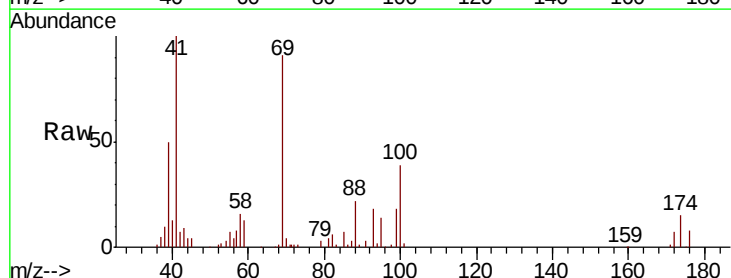
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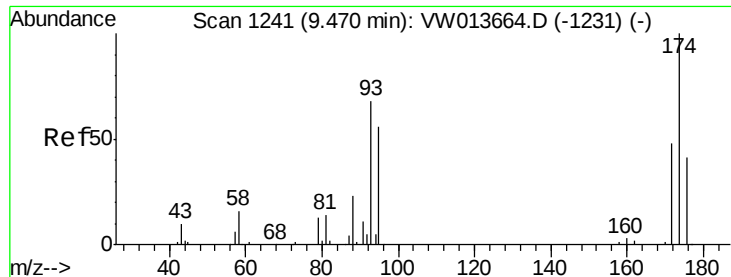
MMDadoda
 11/13/2019 9:33:25 AM



#48
 Methyl methacrylate
 Concen: 23.757 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	41	Resp	28887
Ion Ratio	100	Lower	Upper
41	100		
69	90.8	67.6	101.4
39	53.6	38.6	58.0





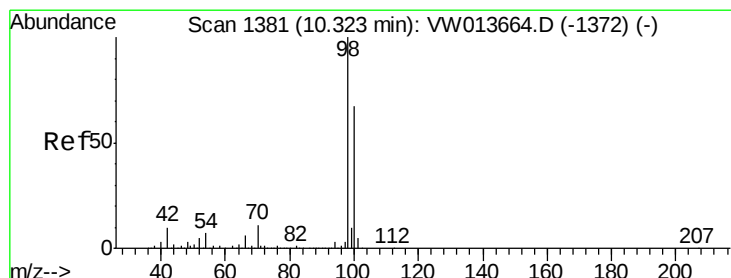
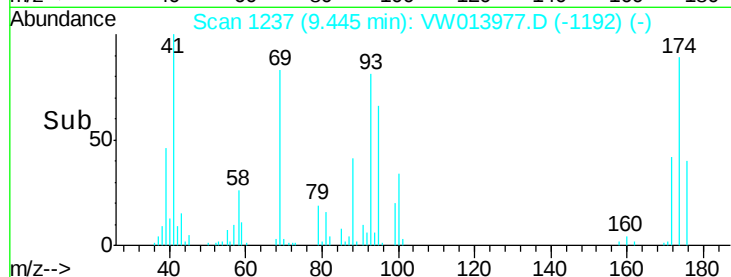
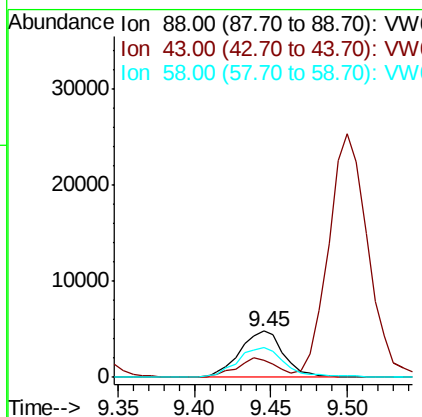
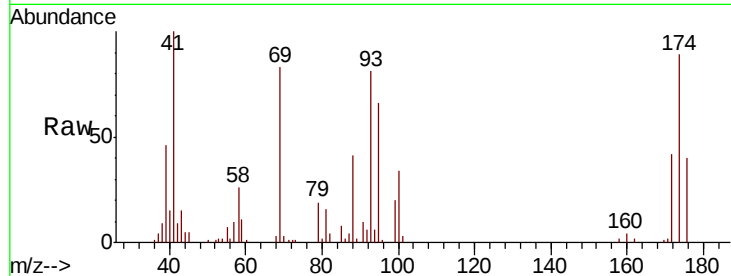
#49
1,4-Dioxane
Concen: 591.860 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	0.0	0.0#
58	70.0	58.9	88.3

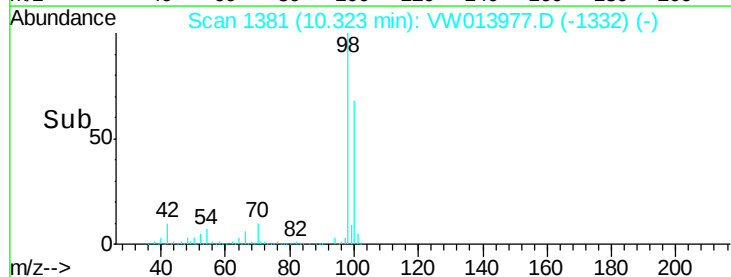
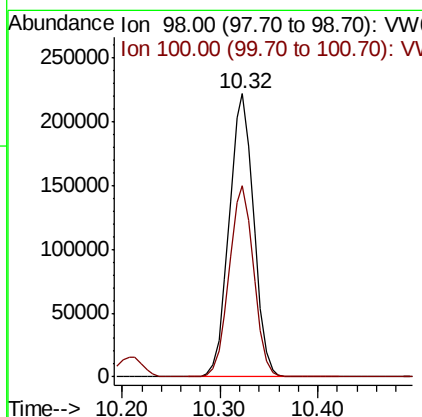
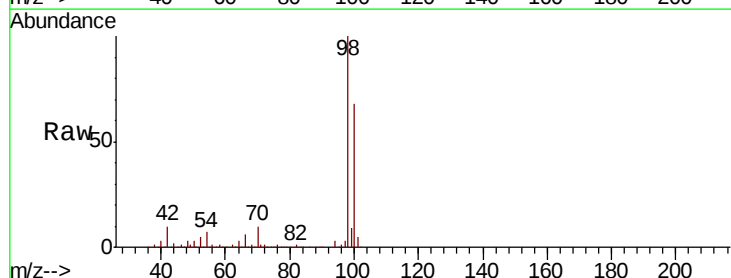
Manual Integrations
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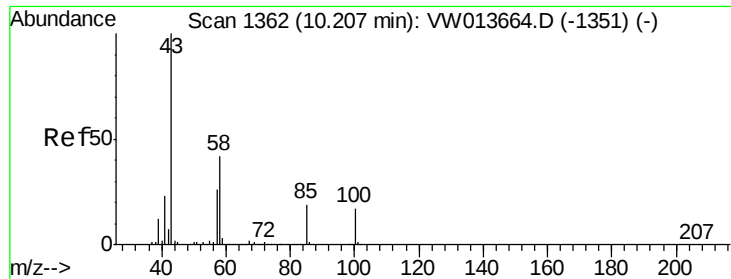
MMDadoda
11/13/2019 9:33:25 AM



#50
Toluene-d8
Concen: 47.394 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.0





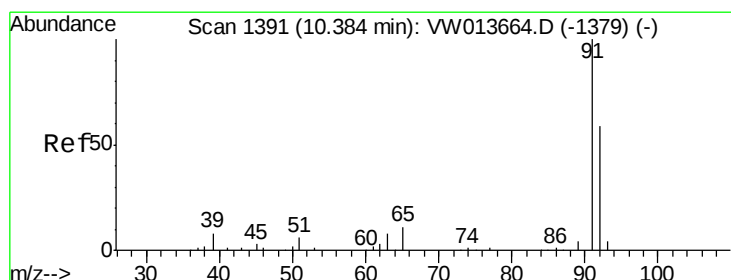
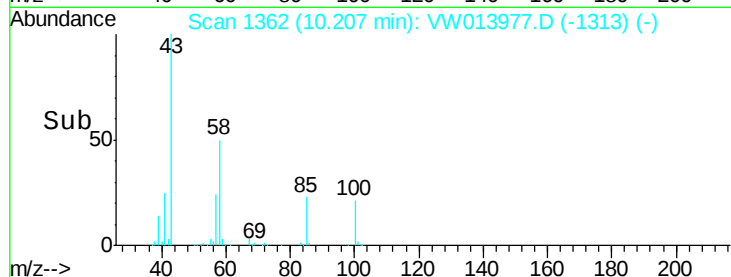
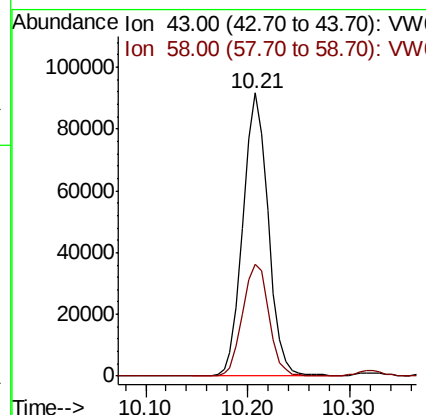
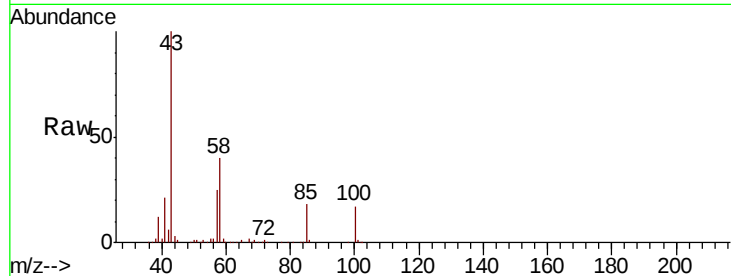
#51
4-Methyl-2-Pentanone
Concen: 128.835 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion: 43 Resp: 156976
Ion Ratio Lower Upper
43 100
58 41.3 32.6 49.0

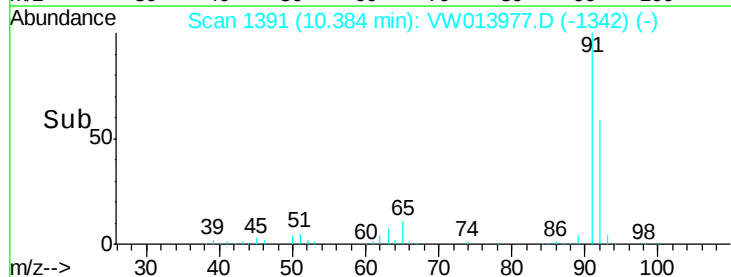
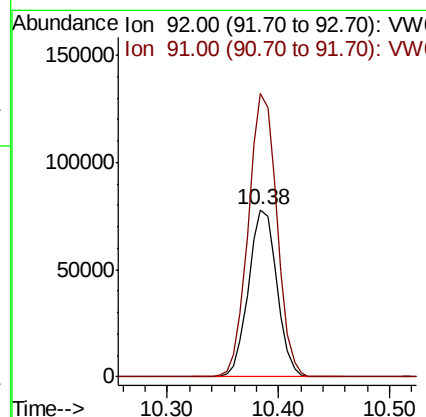
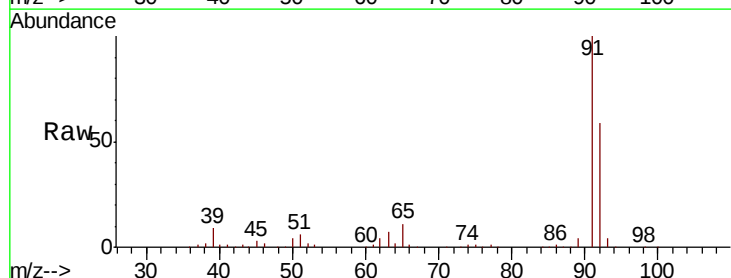
Manual Integrations
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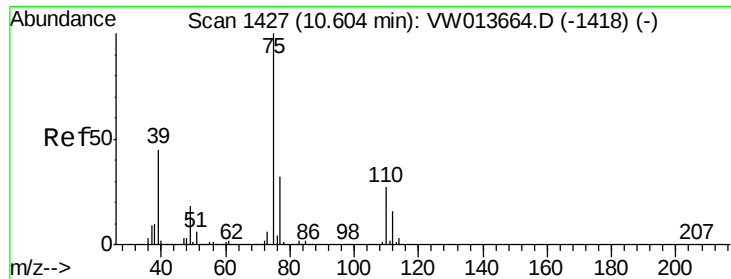
MMDadoda
11/13/2019 9:33:25 AM



#52
Toluene
Concen: 22.690 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion: 92 Resp: 138605
Ion Ratio Lower Upper
92 100
91 170.7 134.5 201.7





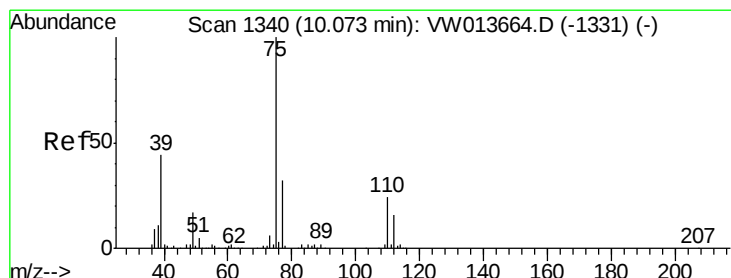
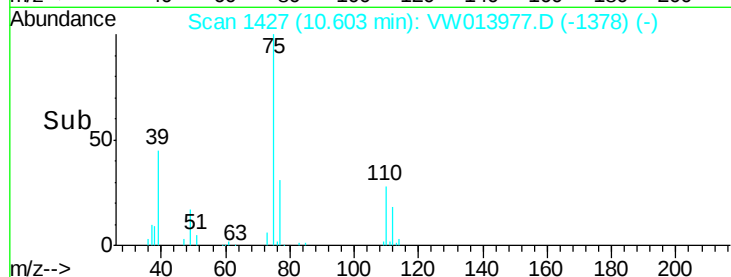
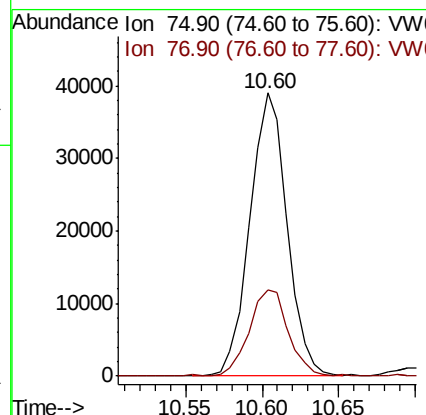
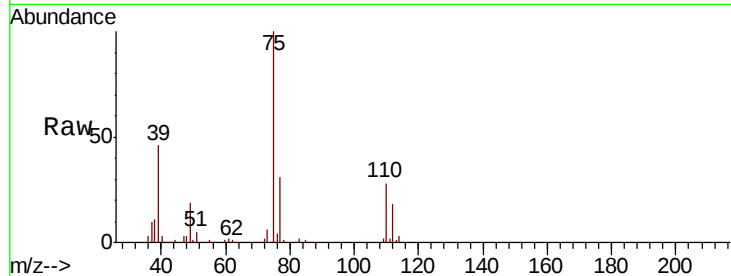
#53
 t-1,3-Dichloropropene
 Concen: 22.942 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion: 75 Resp: 65976
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.5 38.3

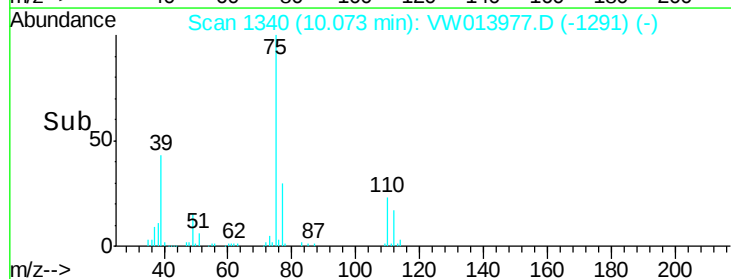
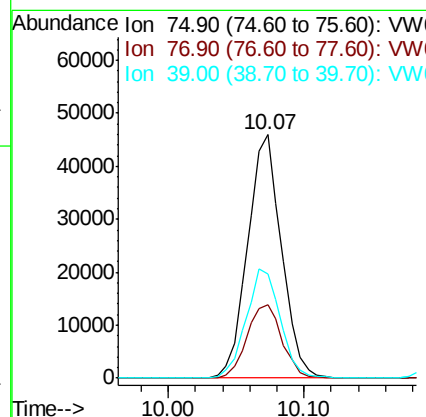
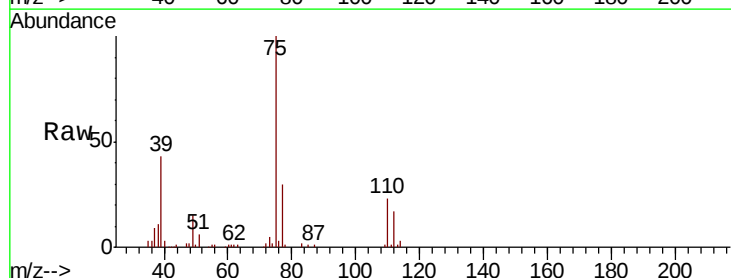
Manual Integrations
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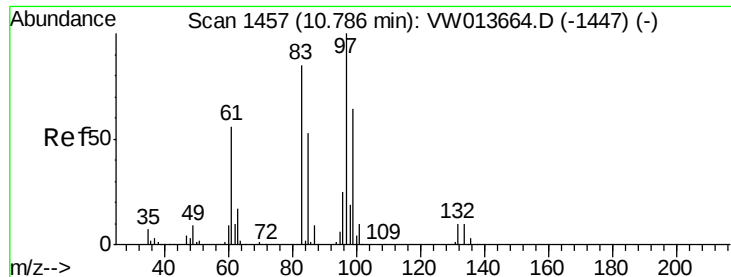
MMDadoda
 11/13/2019 9:33:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 22.564 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion: 75 Resp: 80057
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.6
 39 42.8 35.3 52.9





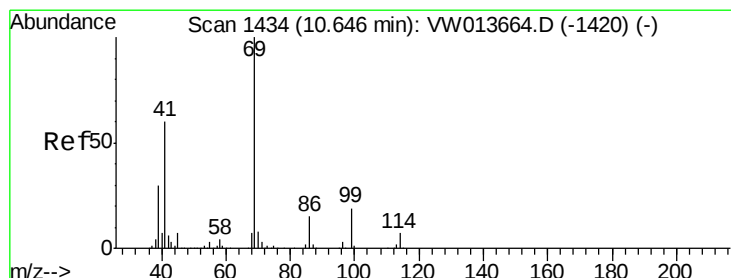
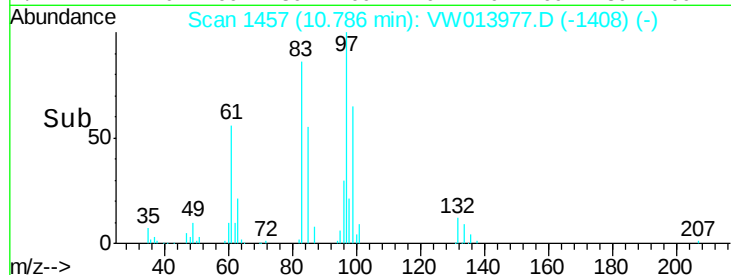
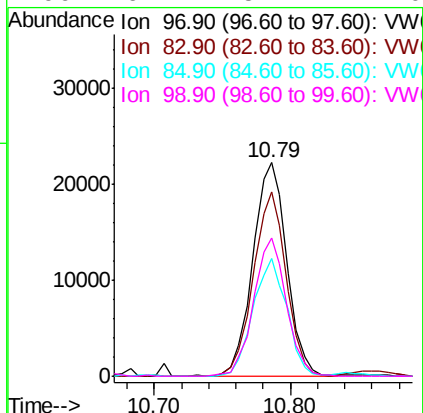
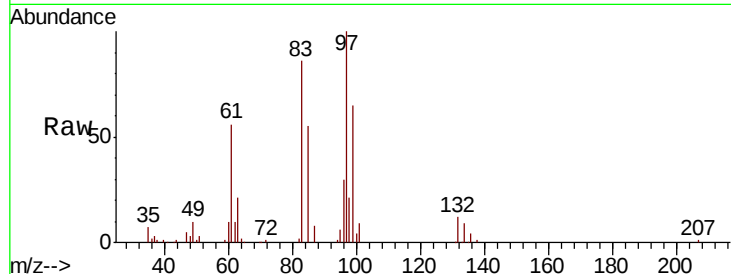
#55
 1,1,2-Trichloroethane
 Concen: 23.732 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion:	97	Resp:	38831
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.8	101.8
85	55.4	42.1	63.1
99	64.7	51.4	77.0

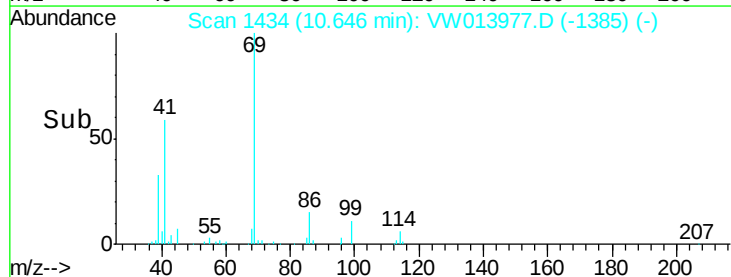
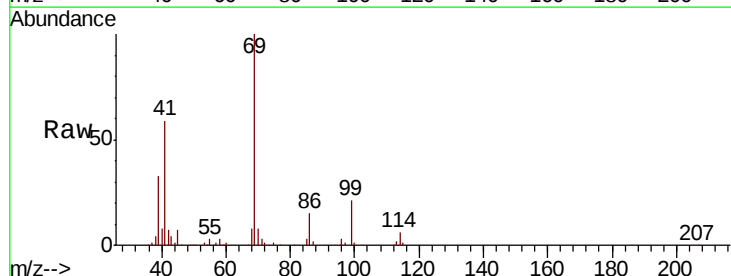
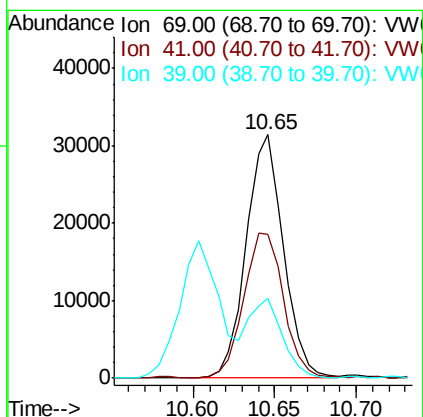
Manual Integrations
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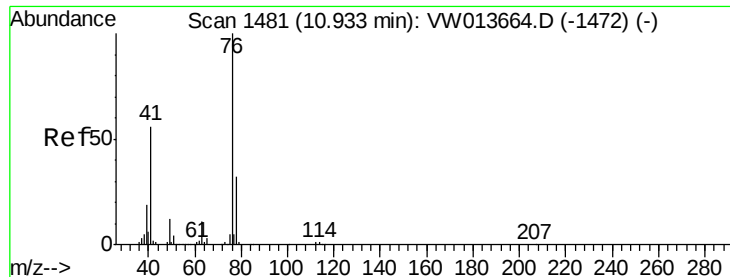
MMDadoda
 11/13/2019 9:33:25 AM



#56
 Ethyl methacrylate
 Concen: 24.432 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion:	69	Resp:	50015
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.6	77.4
39	29.0	22.4	33.6





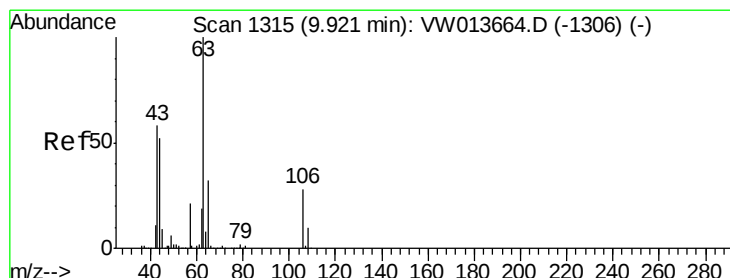
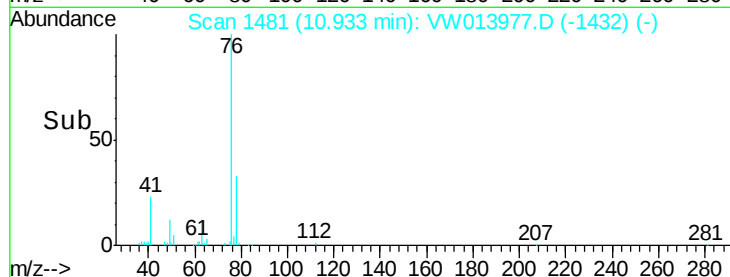
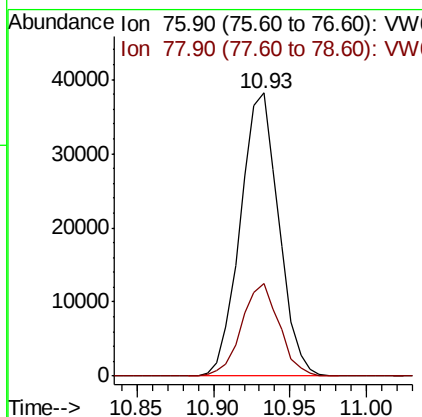
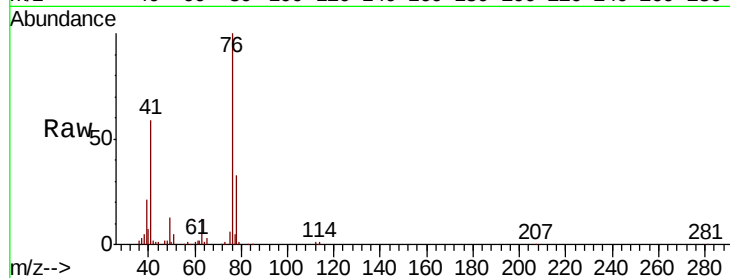
#57
 1,3-Dichloropropane
 Concen: 23.699 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion: 76 Resp: 66542
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0

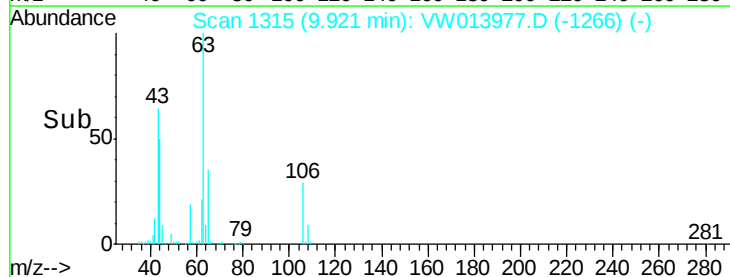
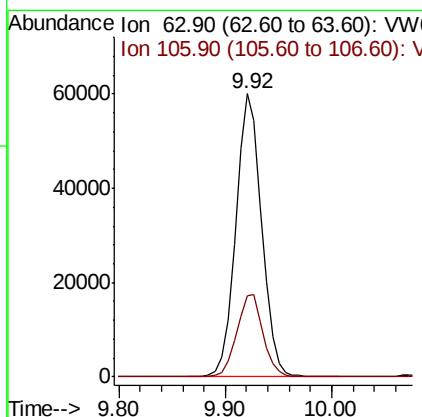
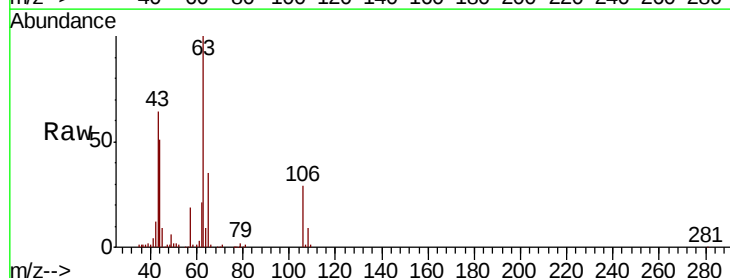
Manual Integrations
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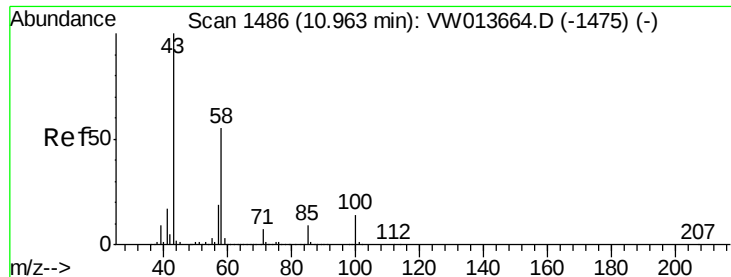
MMDadoda
 11/13/2019 9:33:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.259 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion: 63 Resp: 101997
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.8





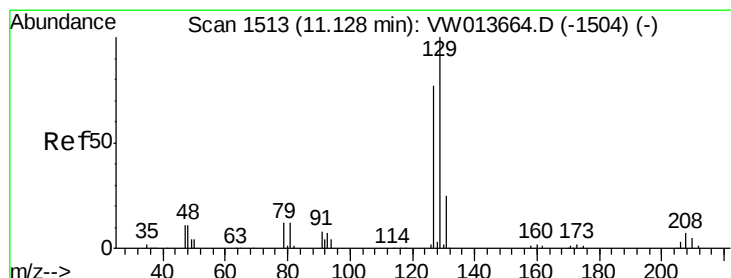
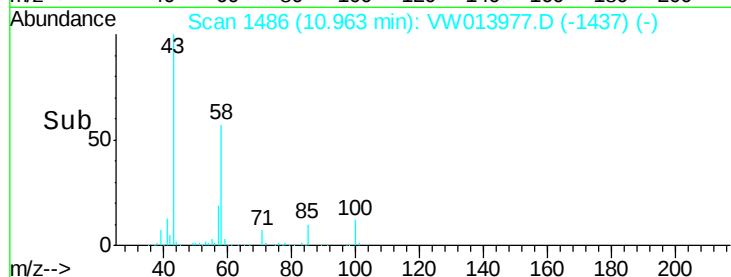
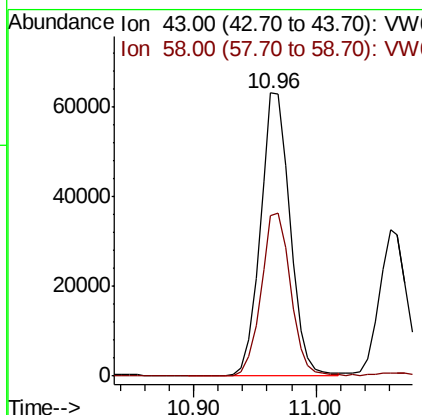
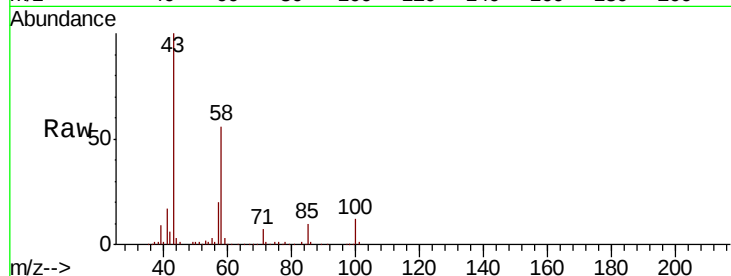
#59
2-Hexanone
Concen: 127.035 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion: 43 Resp: 106706
Ion Ratio Lower Upper
43 100
58 57.4 27.9 83.7

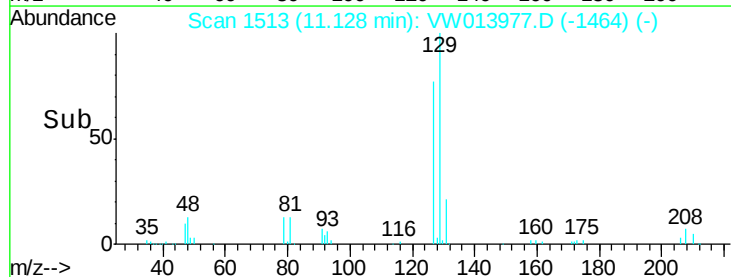
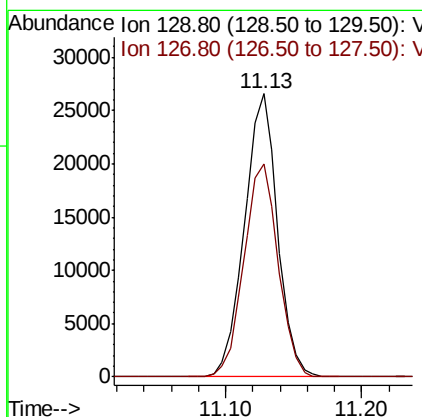
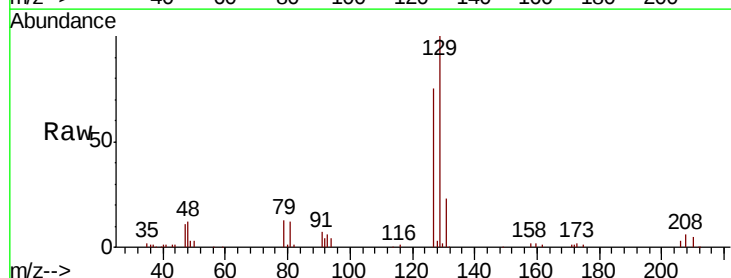
Manual Integrations
APPROVED

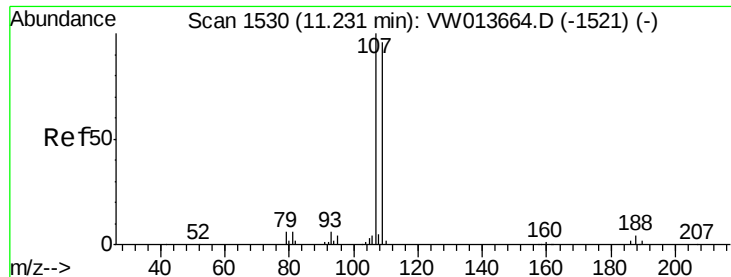
MMDadoda
11/13/2019 9:33:25 AM



#60
Dibromochloromethane
Concen: 23.225 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion:129 Resp: 45119
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





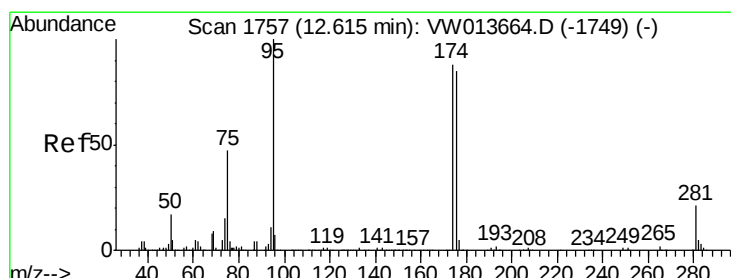
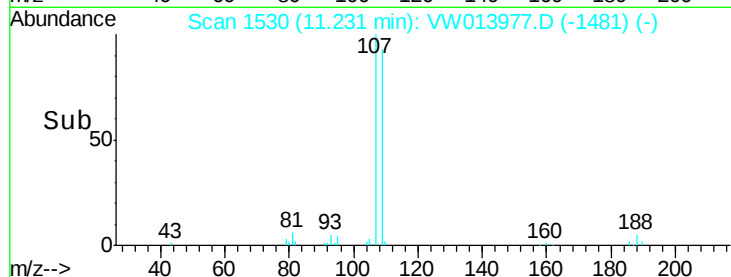
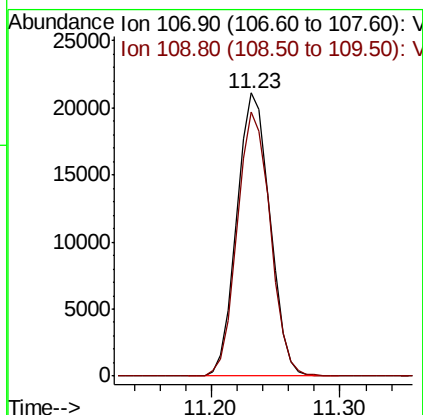
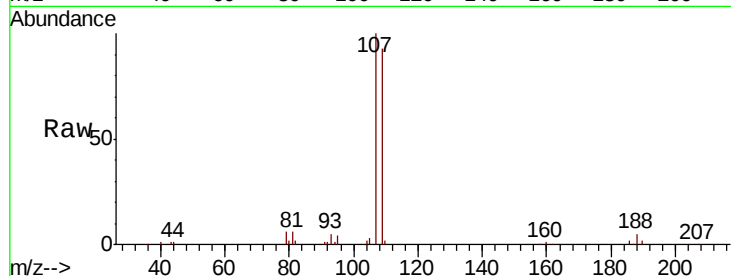
#61
 1,2-Dibromoethane
 Concen: 24.325 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5

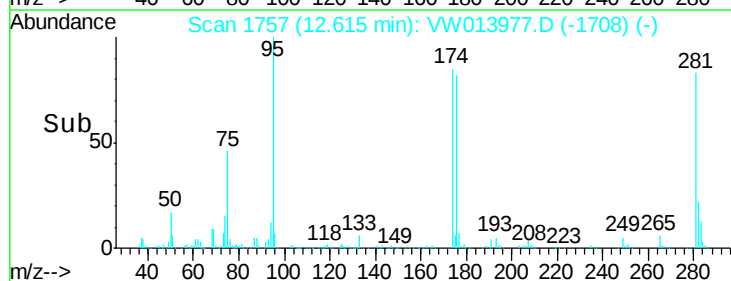
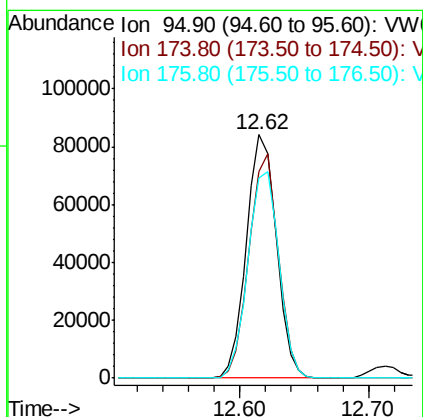
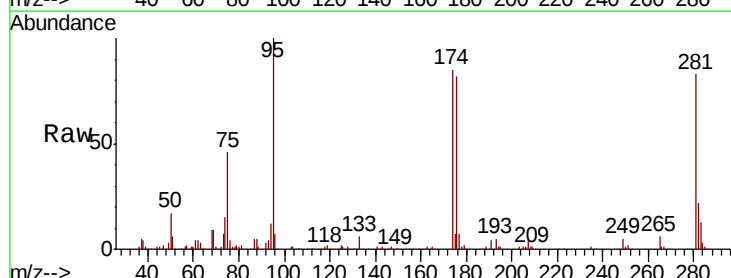
Manual Integrations
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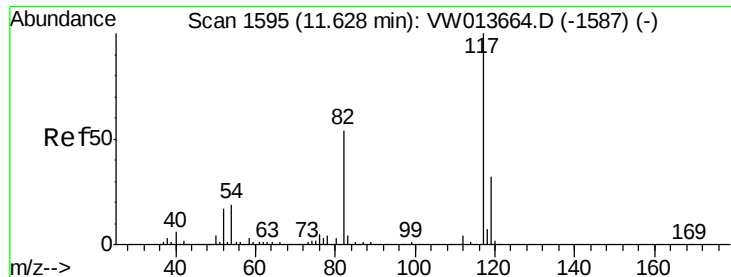
MMDadoda
 11/13/2019 9:33:25 AM



#62
 4-Bromofluorobenzene
 Concen: 49.069 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	183.6
176	87.8	0.0	178.0





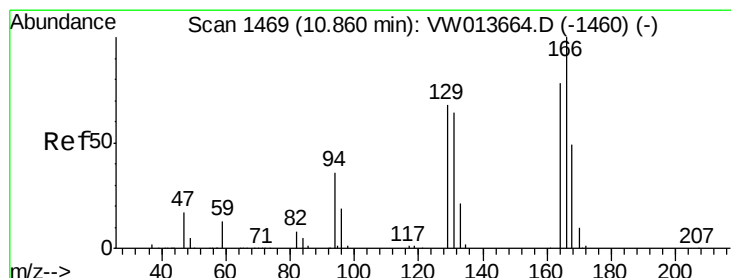
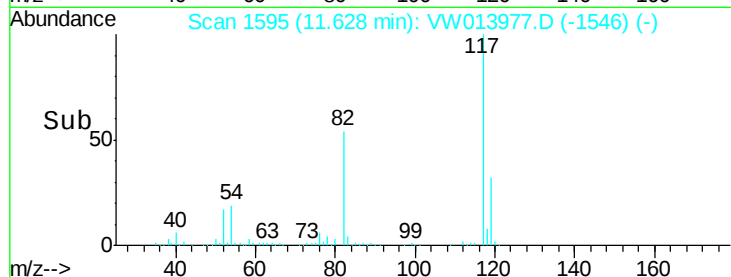
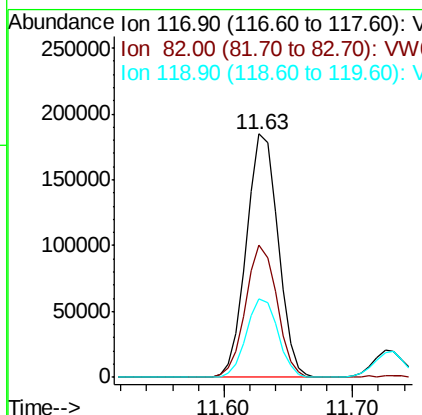
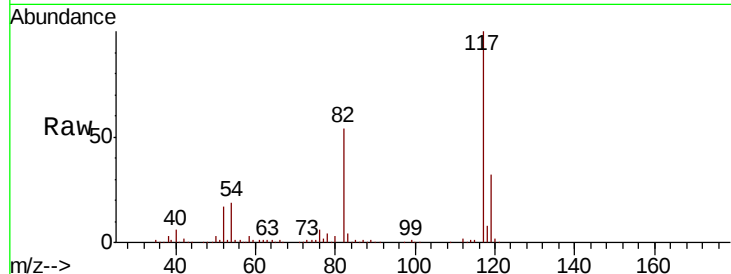
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.6	65.4
119	32.2	25.4	38.2

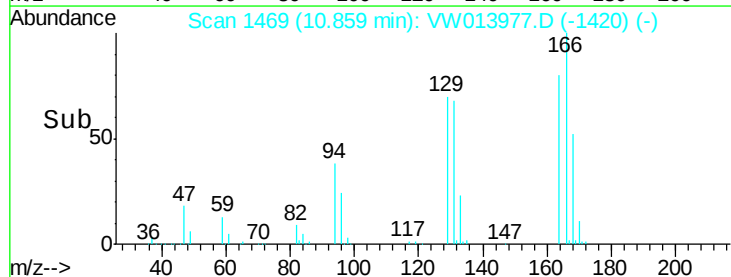
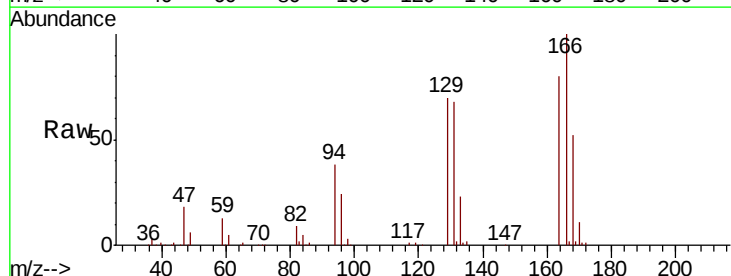
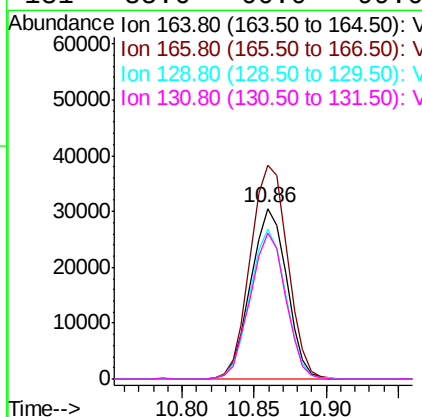
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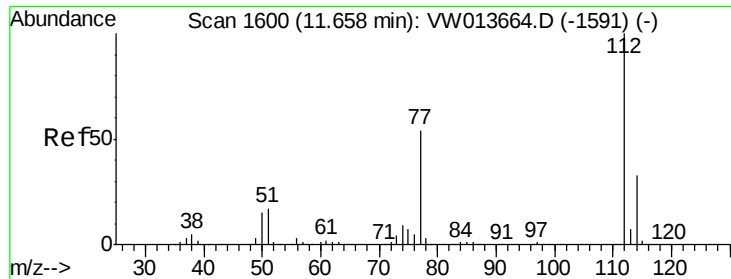
MMDadoda
11/13/2019 9:33:25 AM



#64
Tetrachloroethene
Concen: 22.040 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.2	154.8
129	87.5	70.6	105.8
131	85.6	66.0	99.0





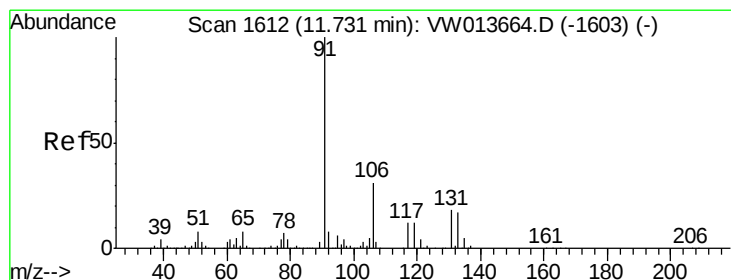
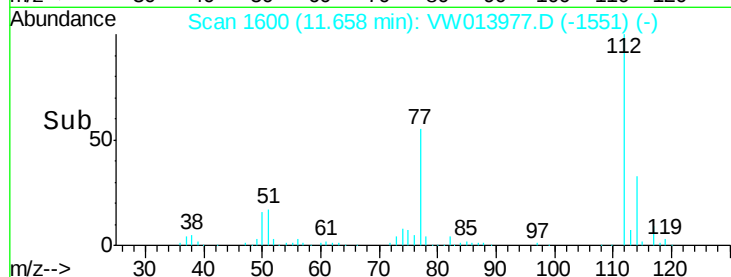
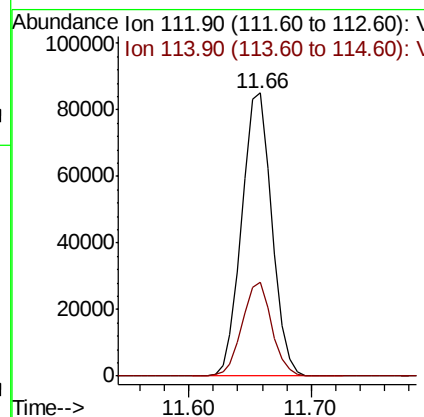
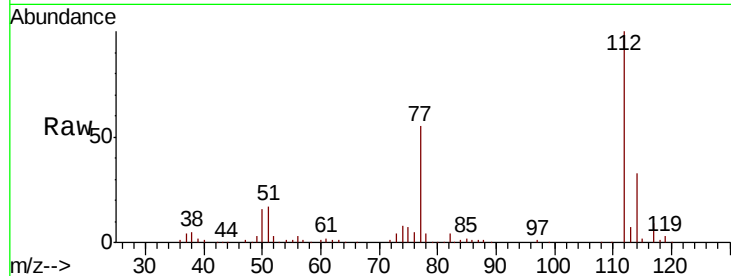
#65
Chlorobenzene
Concen: 22.508 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion:112 Resp: 145000
Ion Ratio Lower Upper
112 100
114 33.3 26.2 39.4

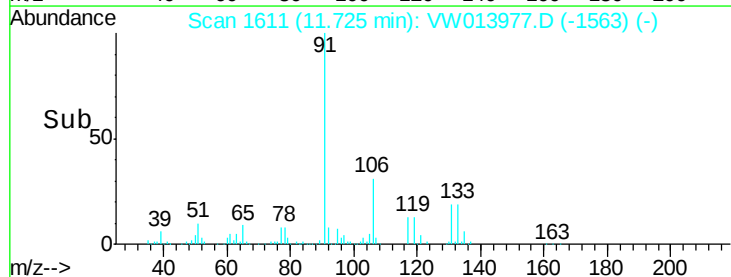
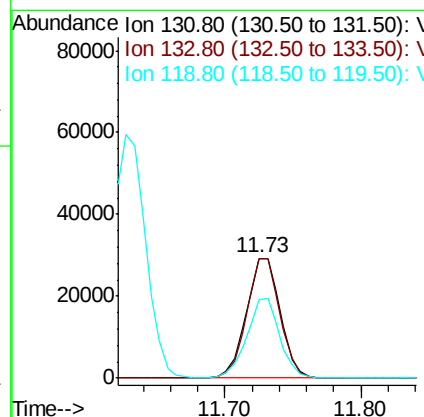
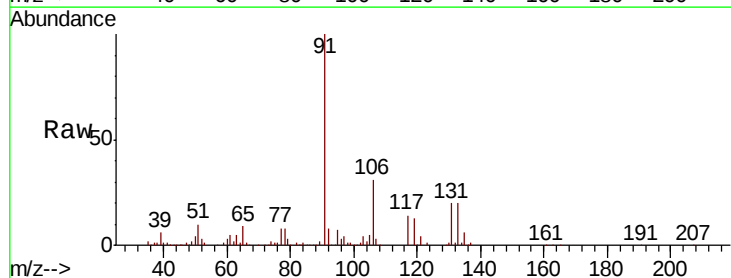
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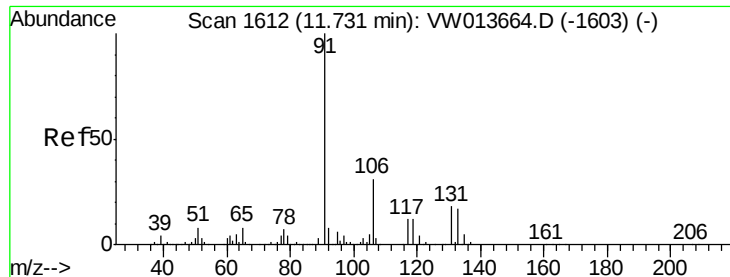
MMDadoda
11/13/2019 9:33:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.743 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion:131 Resp: 51132
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 64.4 33.1 99.2





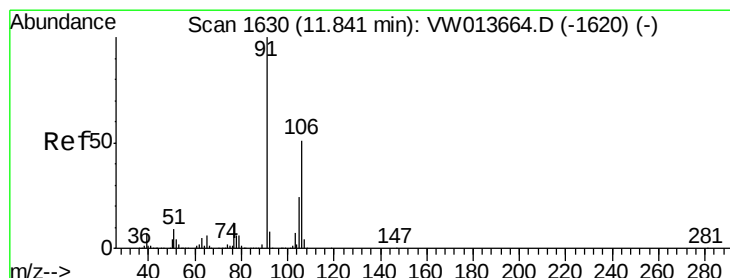
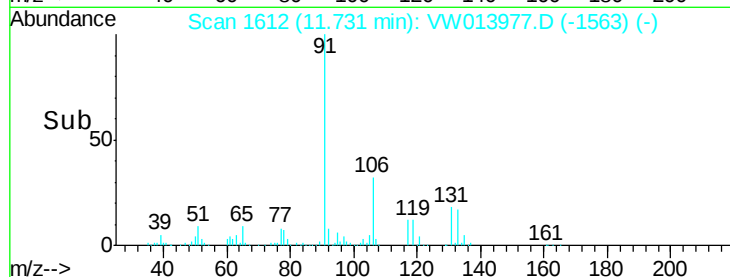
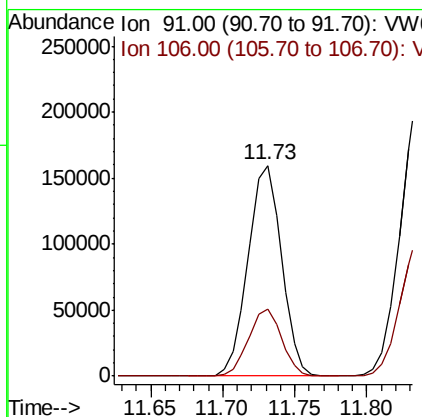
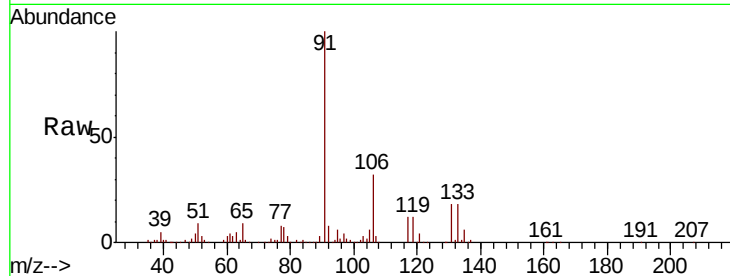
#67
Ethyl Benzene
Concen: 22.115 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion: 91 Resp: 256895
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

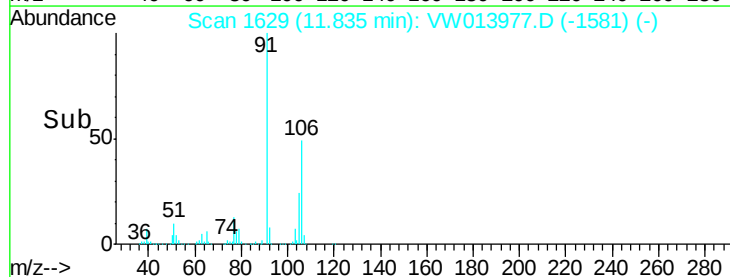
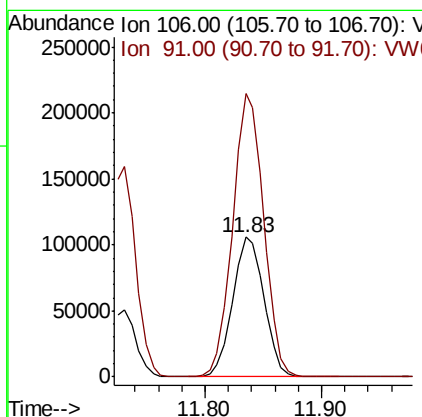
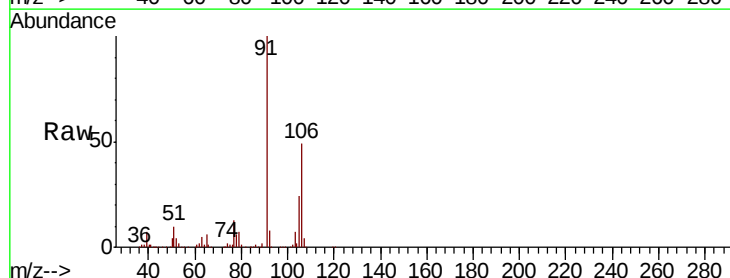
Manual Integrations
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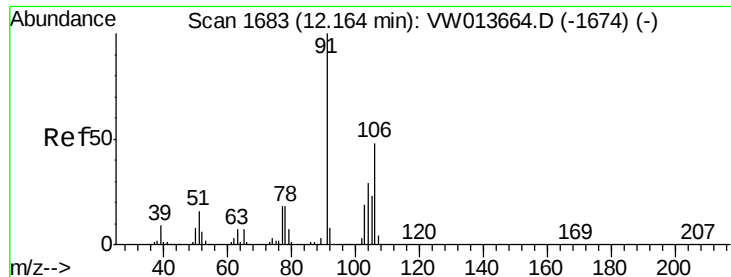
MMDadoda
11/13/2019 9:33:25 AM



#68
m/p-Xylenes
Concen: 44.191 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion: 106 Resp: 198328
Ion Ratio Lower Upper
106 100
91 200.0 159.2 238.8





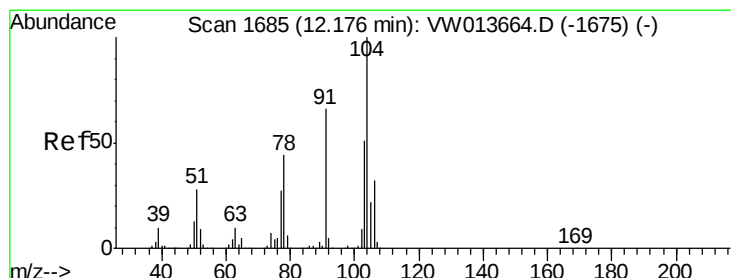
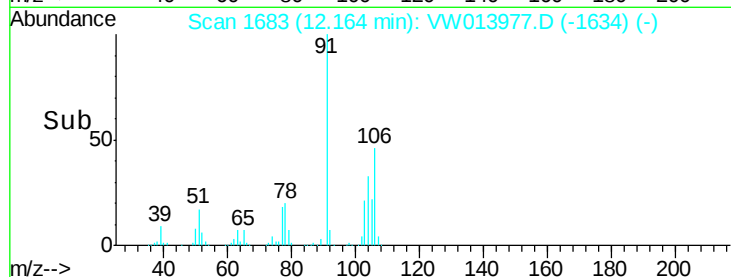
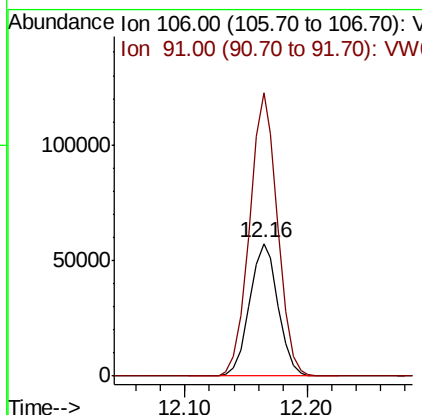
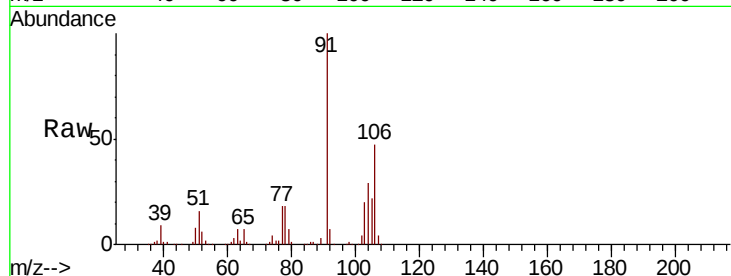
#69
o-Xylene
Concen: 22.484 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion:106 Resp: 92750
Ion Ratio Lower Upper
106 100
91 209.8 104.9 314.7

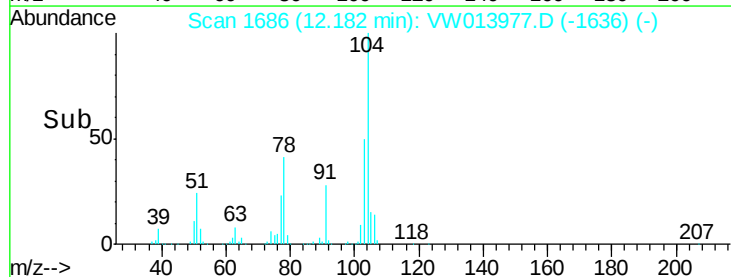
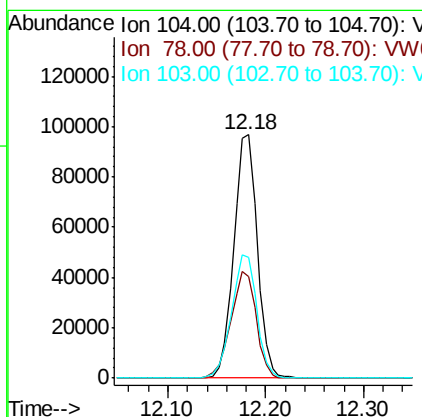
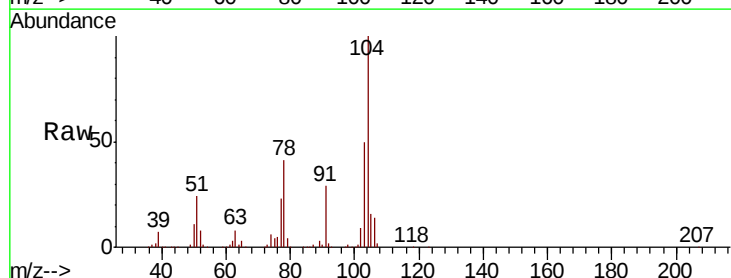
Manual Integrations
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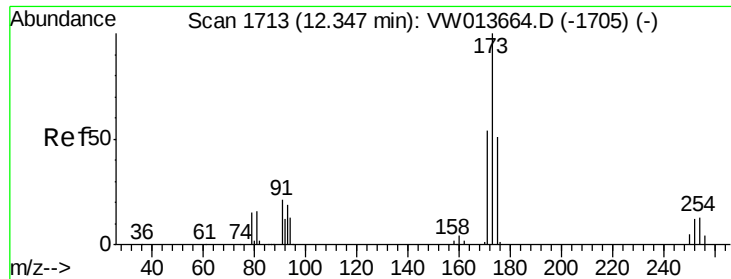
MMDadoda
11/13/2019 9:33:25 AM



#70
Styrene
Concen: 22.737 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion:104 Resp: 161156
Ion Ratio Lower Upper
104 100
78 47.1 37.1 55.7
103 54.2 43.6 65.4





#71

Bromoform

Concen: 23.313 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion:173 Resp: 27506

Ion Ratio Lower Upper

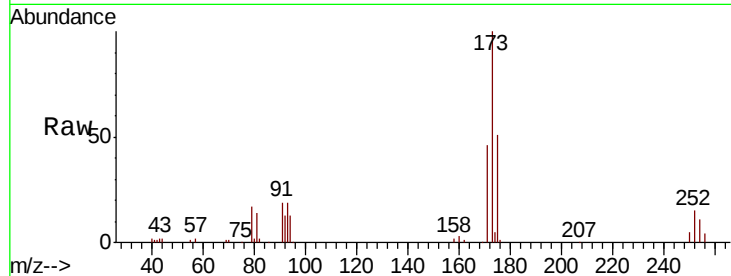
173 100

175 52.2 25.2 75.6

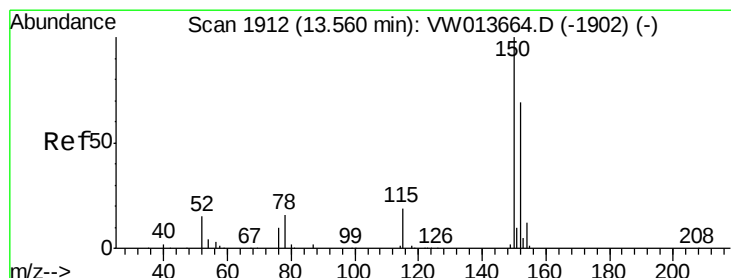
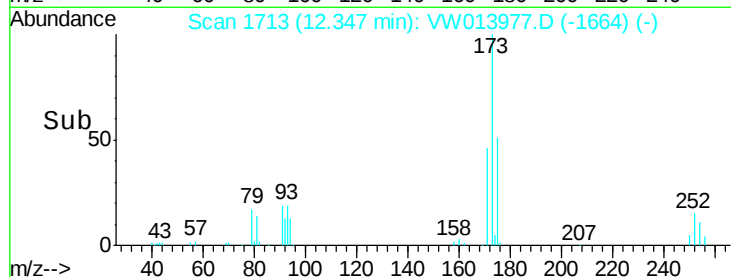
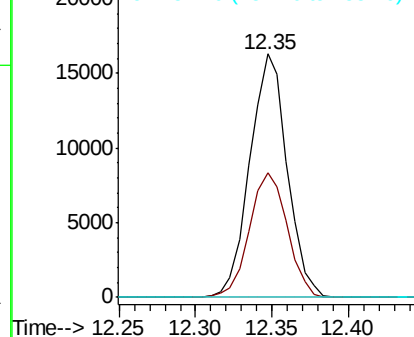
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

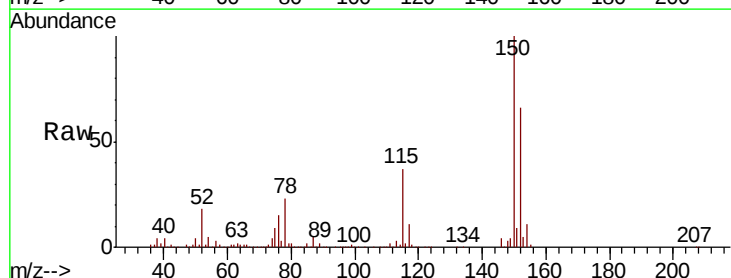
Tgt Ion:152 Resp: 161343

Ion Ratio Lower Upper

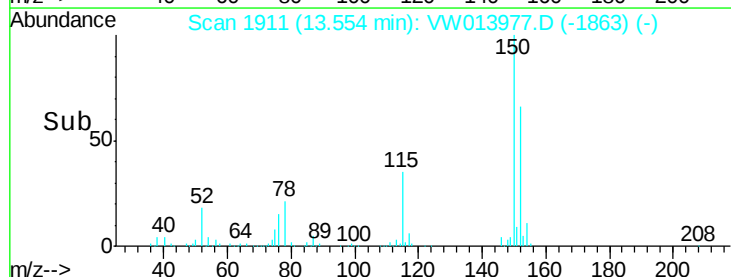
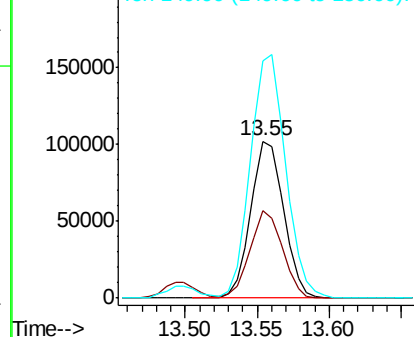
152 100

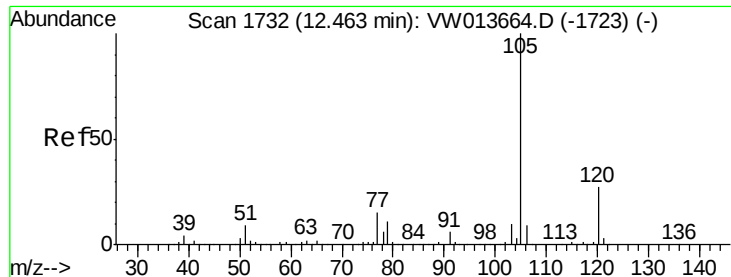
115 54.6 27.4 82.2

150 166.3 0.0 345.4



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





#73

Isopropylbenzene

Concen: 21.926 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion:105 Resp: 254044

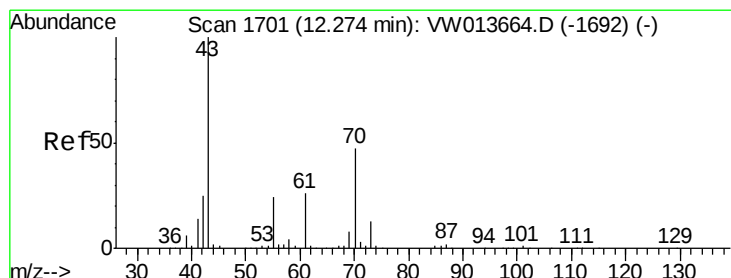
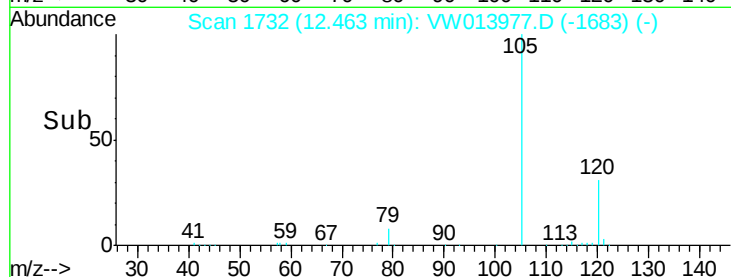
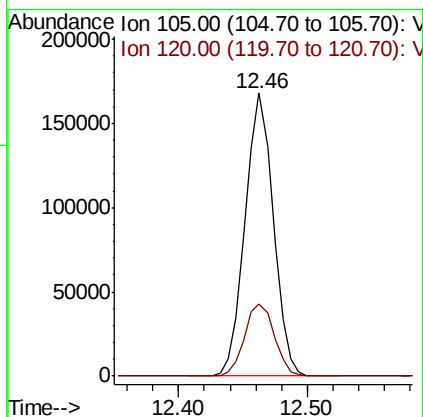
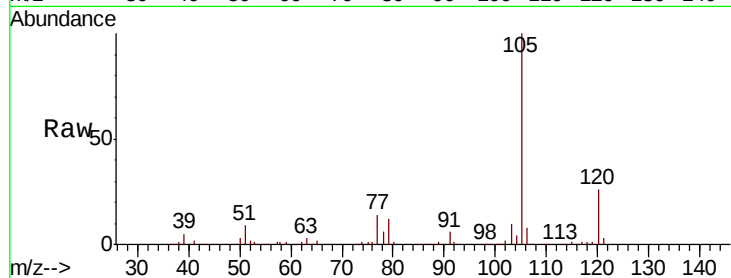
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 24.537 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion: 43 Resp: 54995

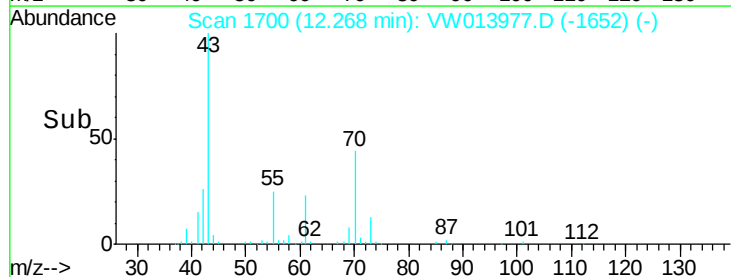
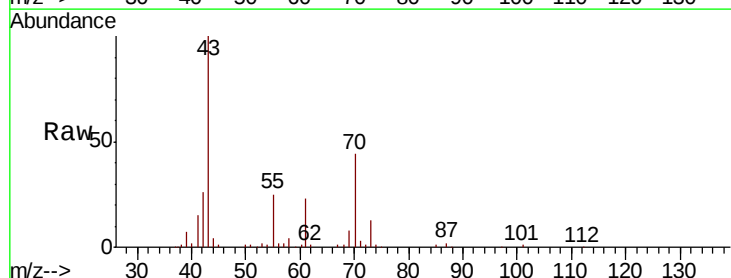
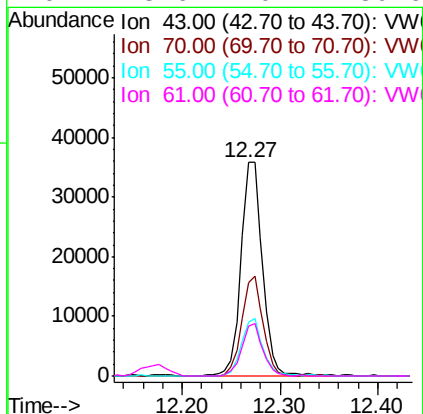
Ion Ratio Lower Upper

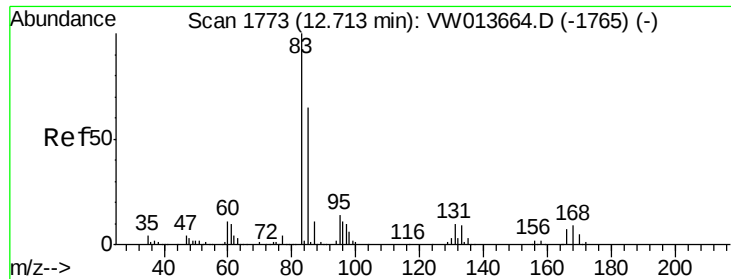
43 100

70 45.5 36.6 55.0

55 26.4 20.3 30.5

61 23.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.127 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

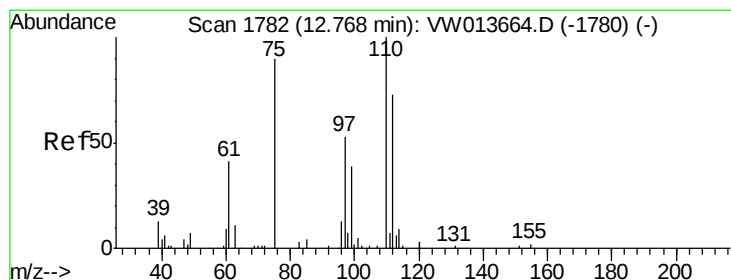
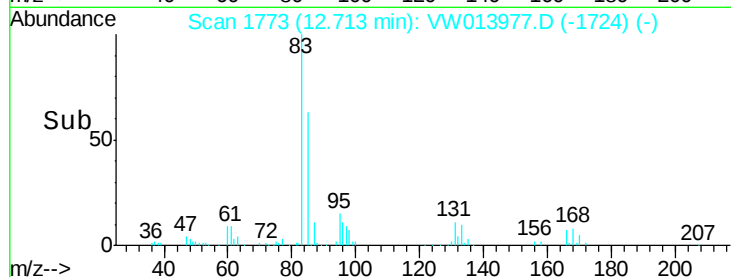
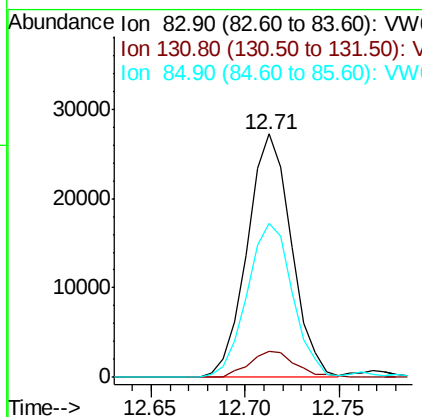
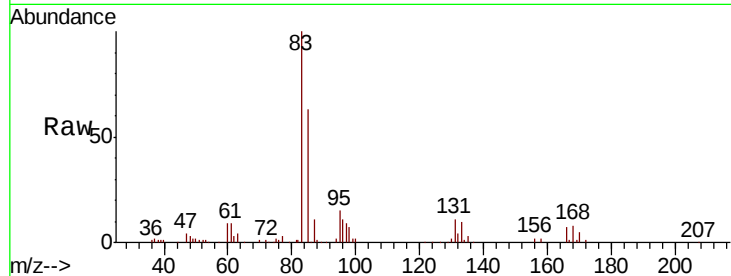
ClientSampleId :

VW1112SBSD01

Tot Ion:	83	Resp:	44114
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.1
85	65.1	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.911 ug/l m

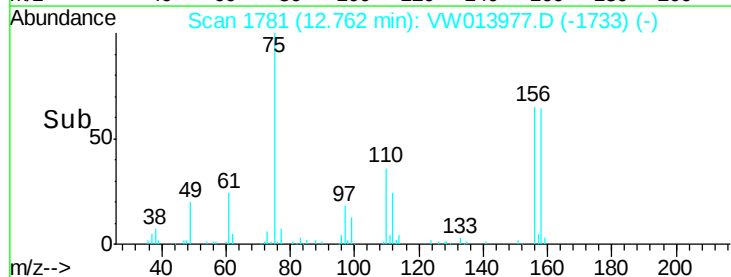
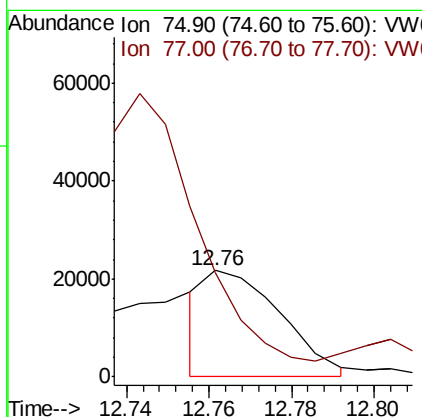
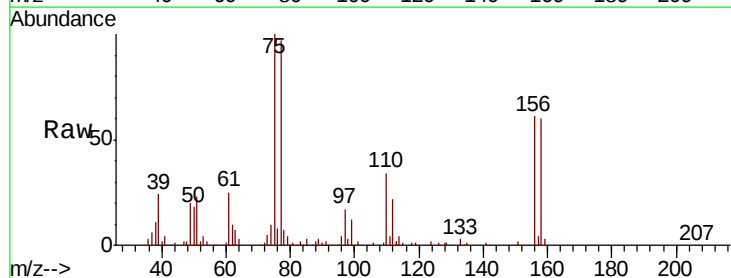
RT: 12.76 min Scan# 1781

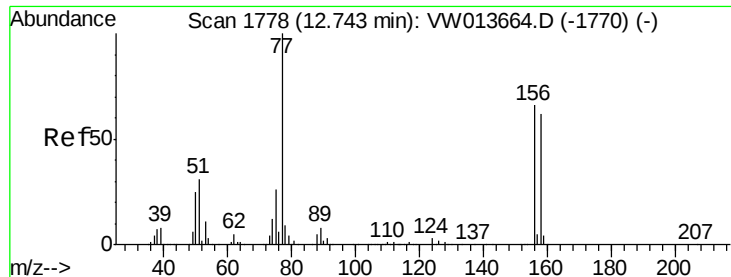
Delta R.T. -0.01 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	75	Resp:	27705
Ion Ratio	Lower	Upper	
75	100		
77	381.8	0.0	0.0#





#77

Bromobenzene

Concen: 22.961 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

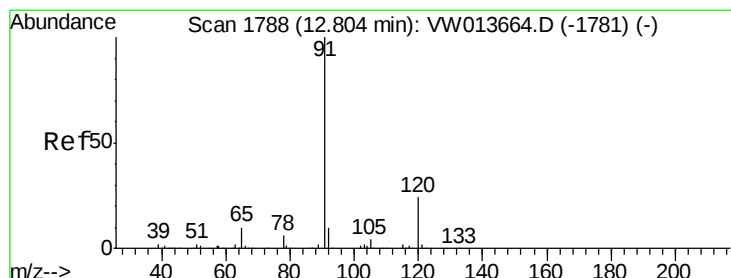
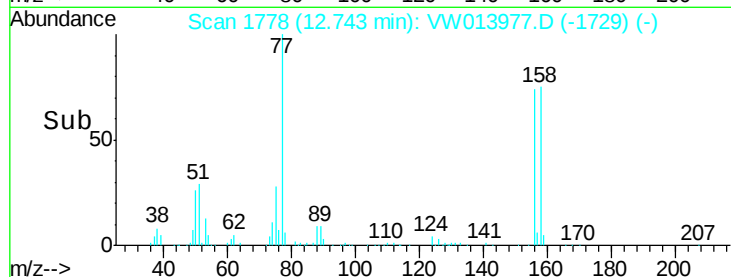
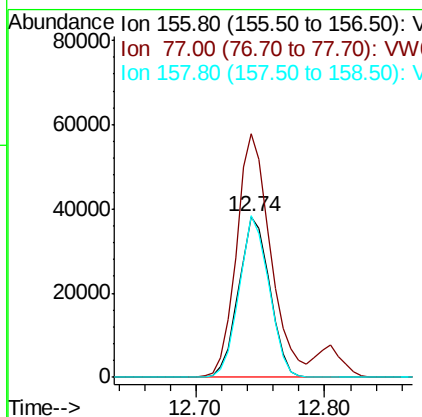
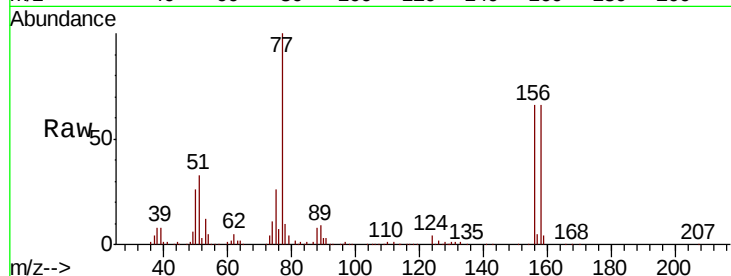
ClientSampleId :

VW1112SBSD01

Tot Ion:	156	Resp:	63553
Ion Ratio	Lower	Upper	
156	100		
77	166.4	82.9	248.7
158	96.6	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 22.310 ug/l

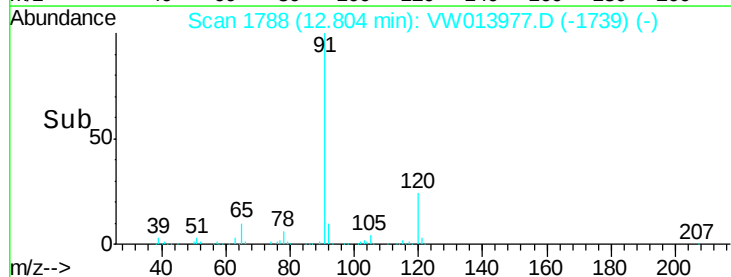
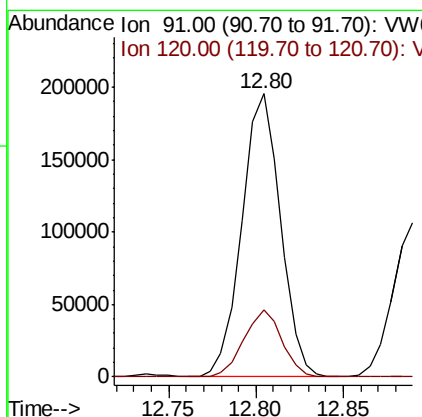
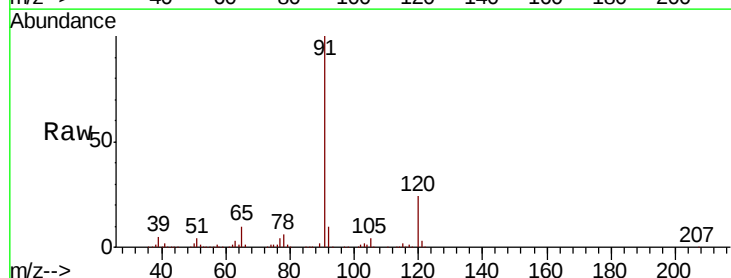
RT: 12.80 min Scan# 1788

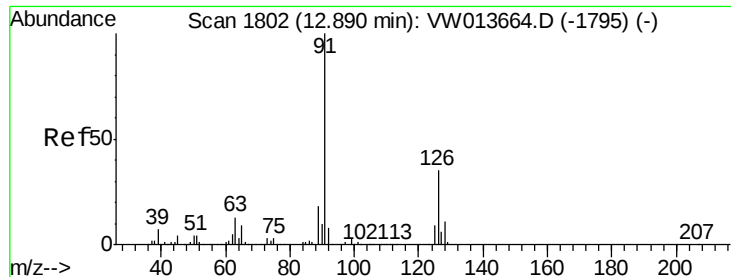
Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Tgt Ion:	91	Resp:	299195
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.483 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013977.D

Acq: 12 Nov 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

VW1112SBSD01

Tot Ion: 91 Resp: 169441

Ion Ratio Lower Upper

91 100

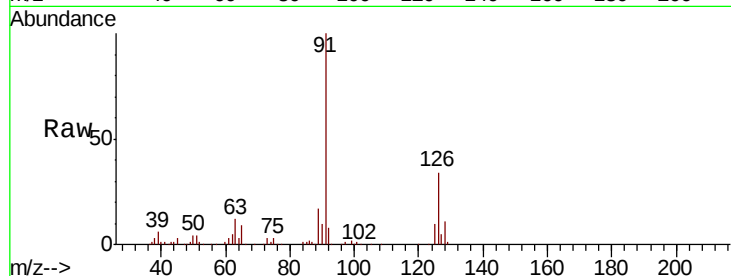
126 35.0 17.4 52.2

Manual Integrations

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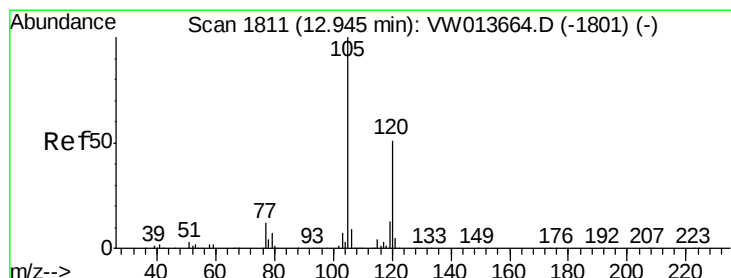
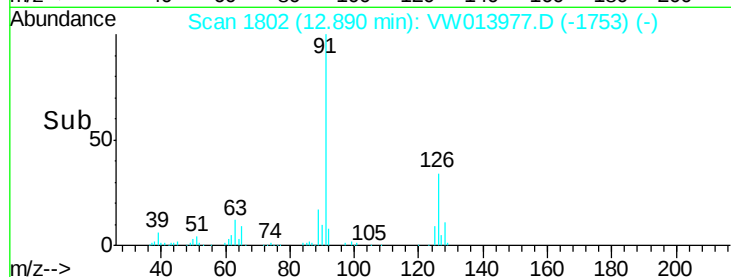
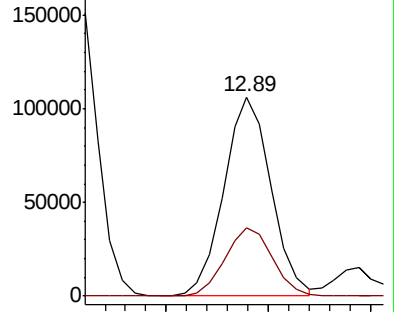
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.490 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013977.D

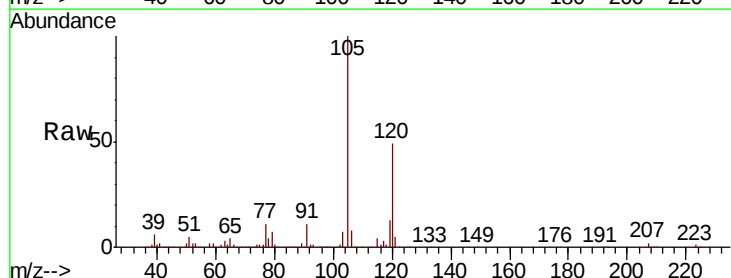
Acq: 12 Nov 2019 16:03

Tgt Ion:105 Resp: 219974

Ion Ratio Lower Upper

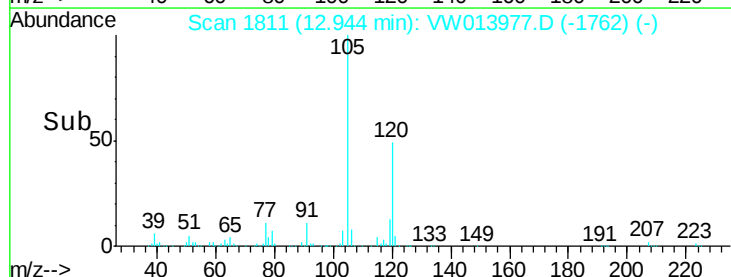
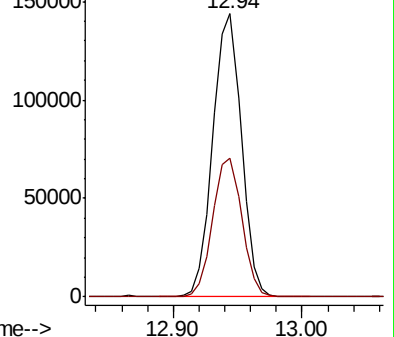
105 100

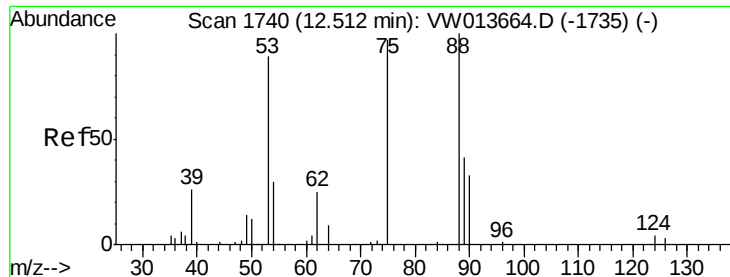
120 50.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





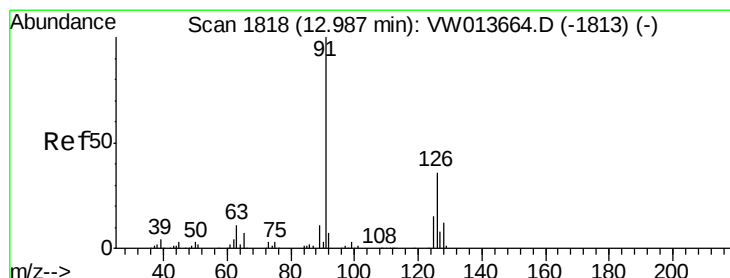
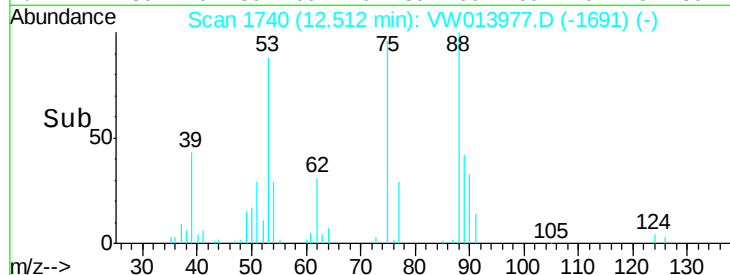
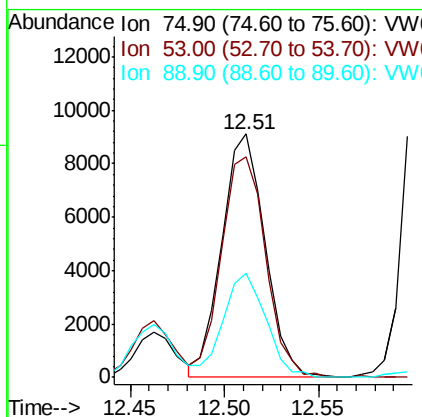
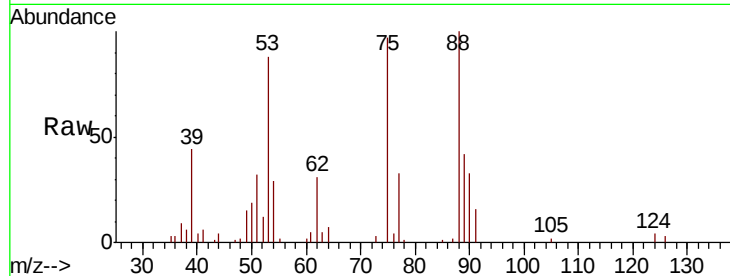
#81
trans-1,4-Dichloro-2-butene
Concen: 23.722 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	71.7	107.5
89	42.7	35.8	53.8

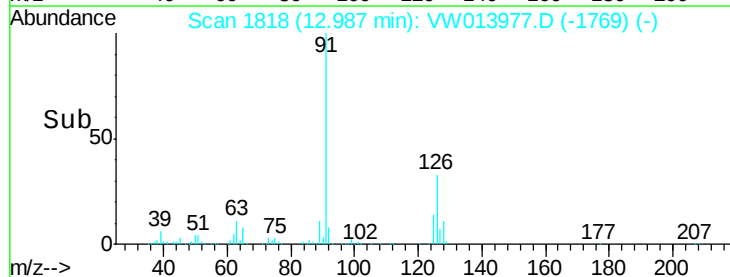
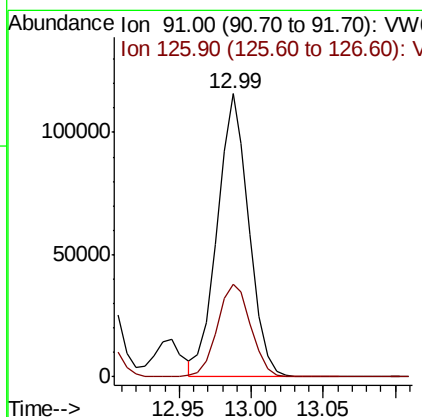
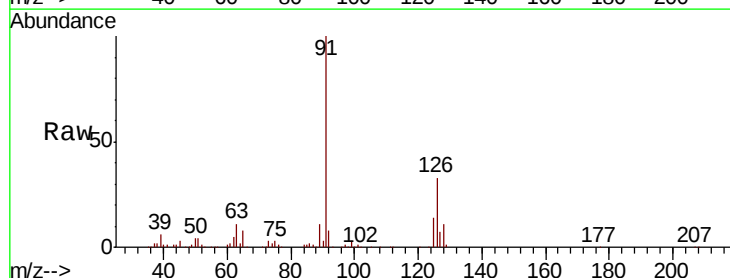
Manual Integrations
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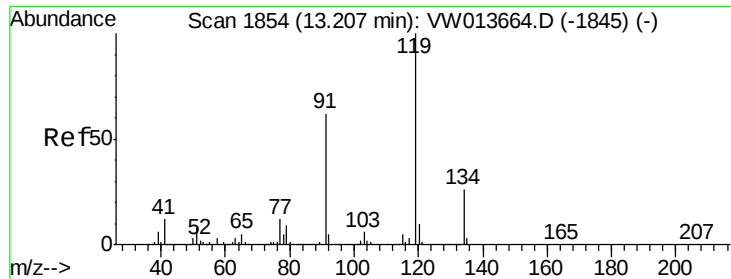
MMDadoda
11/13/2019 9:33:25 AM



#82
4-Chlorotoluene
Concen: 22.305 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.2	51.5





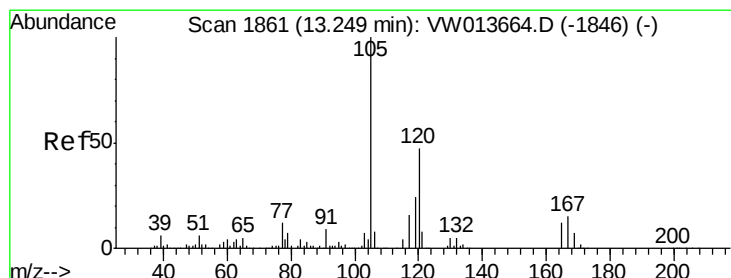
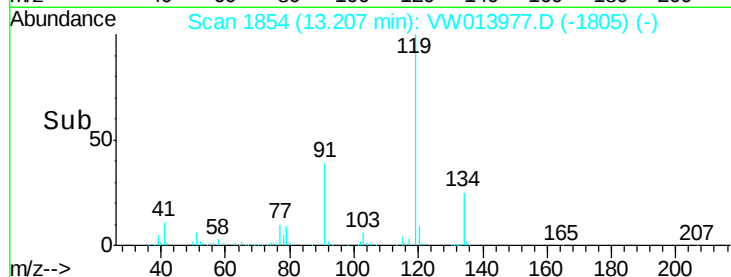
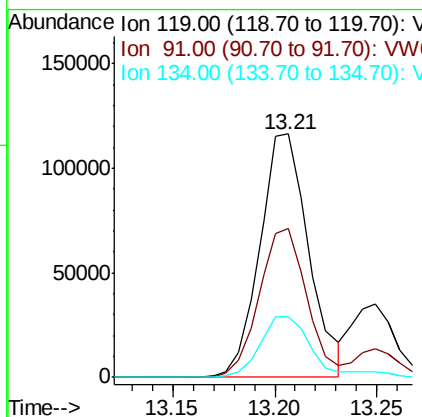
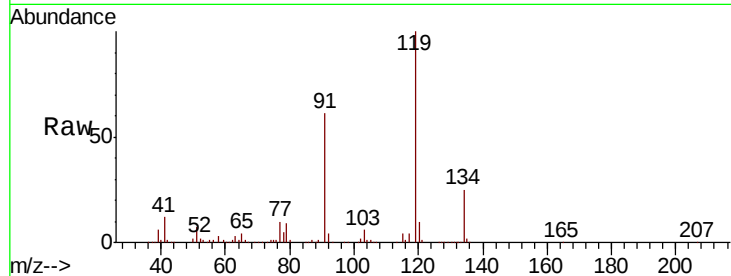
#83
tert-Butylbenzene
Concen: 22.430 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	30.4	91.3
134	26.9	13.6	40.8

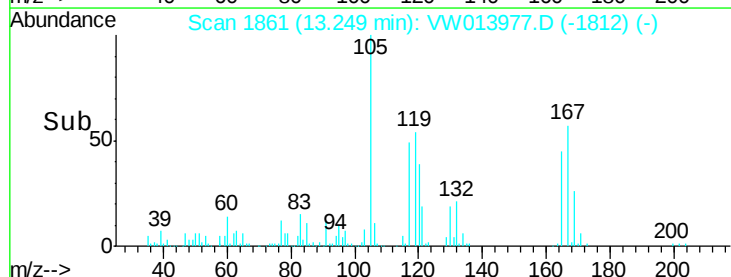
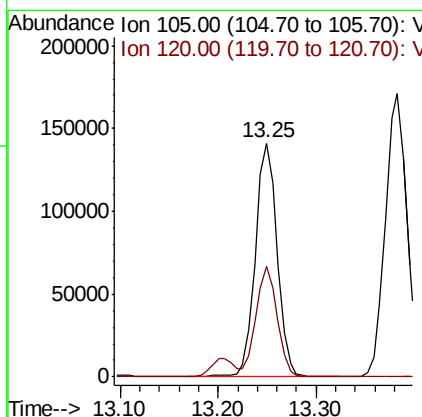
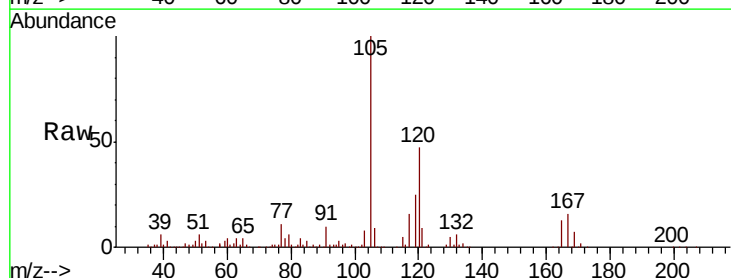
Manual Integrations
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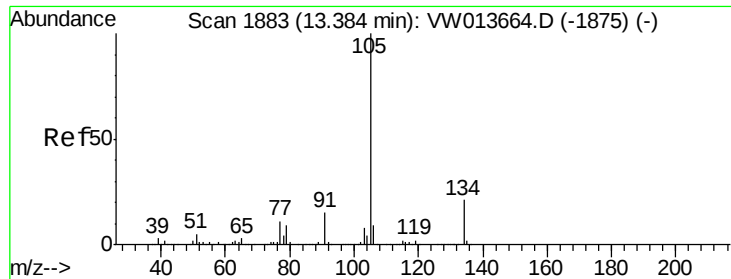
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.604 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.5	70.5





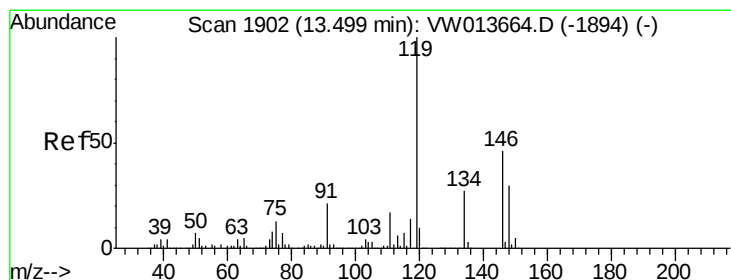
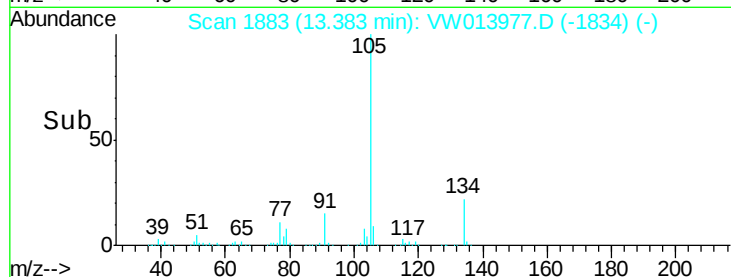
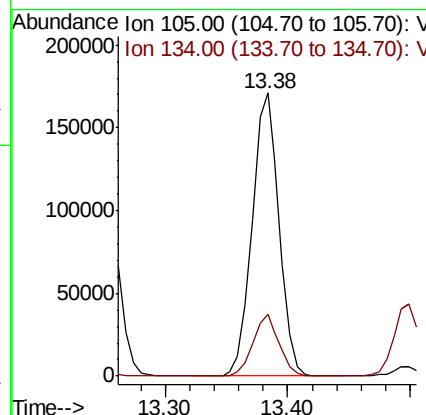
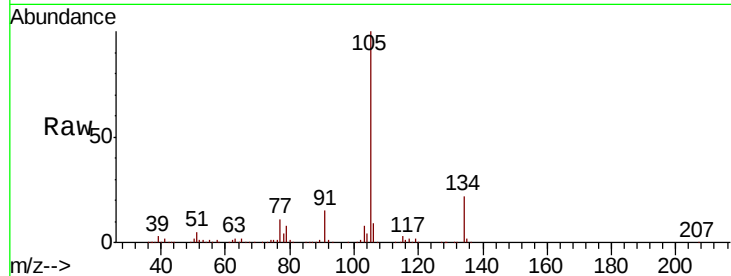
#85
 sec-Butylbenzene
 Concen: 21.960 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

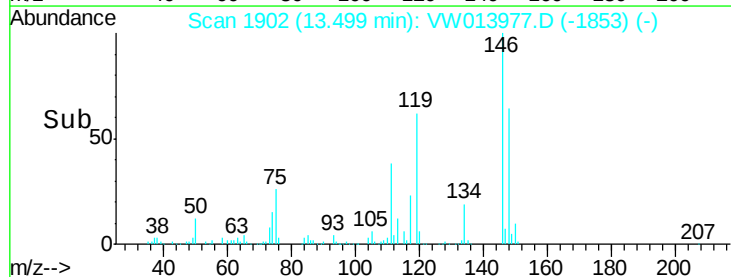
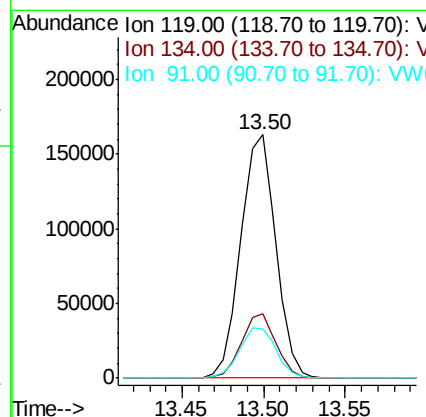
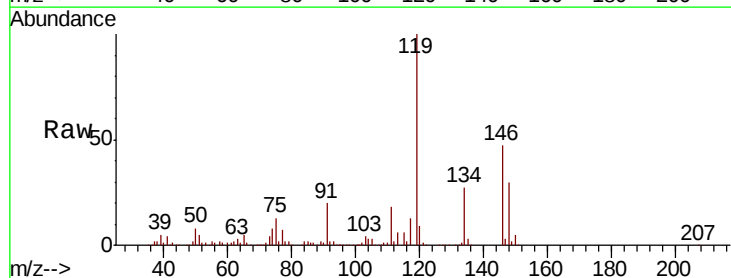
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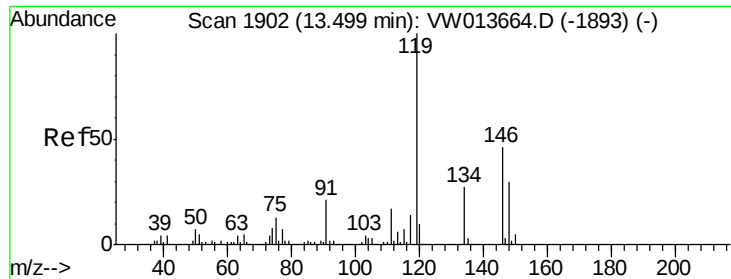
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 11/13/2019 9:33:25 AM



#86
 p-Isopropyltoluene
 Concen: 22.070 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.4	40.1
91	21.7	10.8	32.3





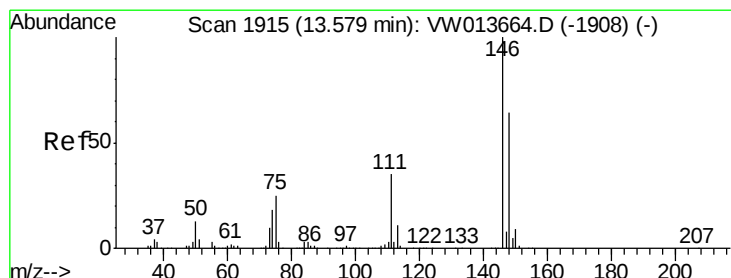
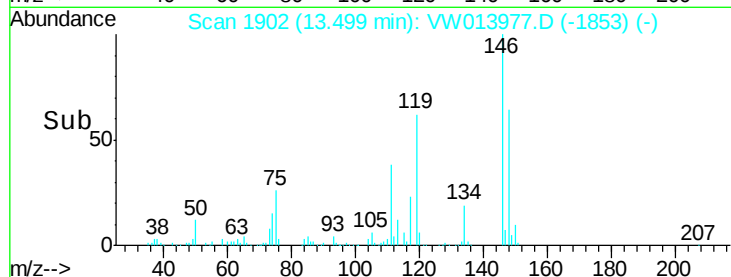
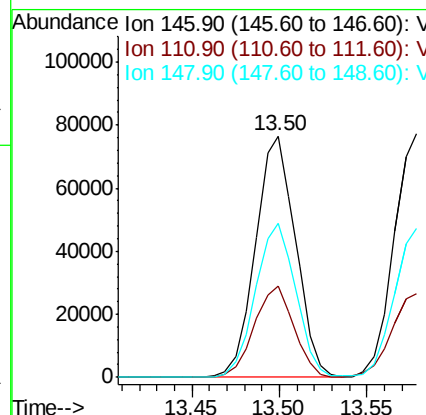
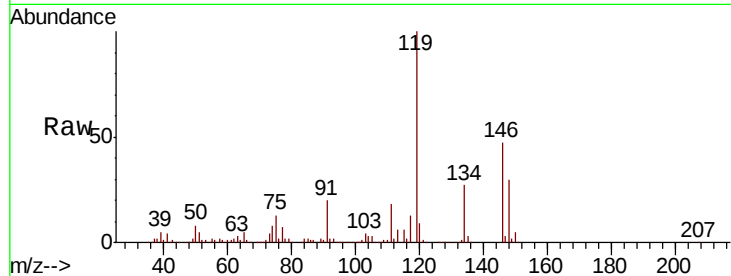
#87
 1,3-Dichlorobenzene
 Concen: 22.670 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	64.1	31.7	95.1

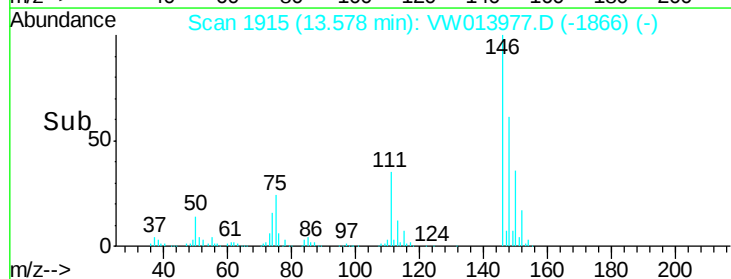
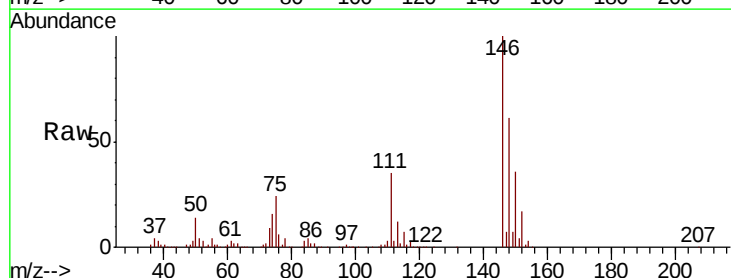
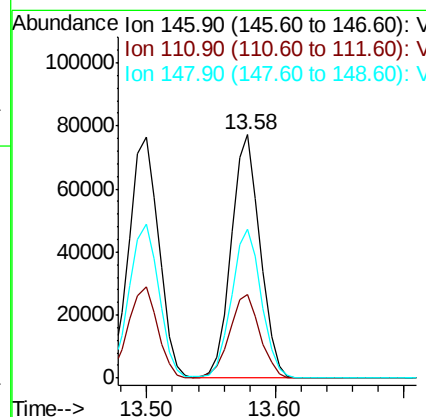
Manual Integrations
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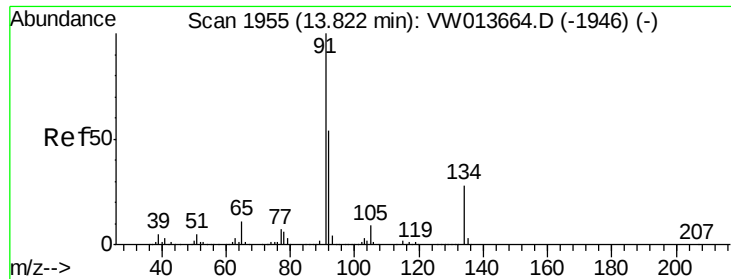
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#88
 1,4-Dichlorobenzene
 Concen: 22.764 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.3
148	63.1	32.0	96.2





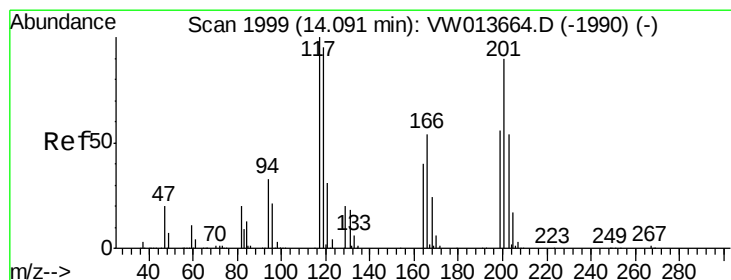
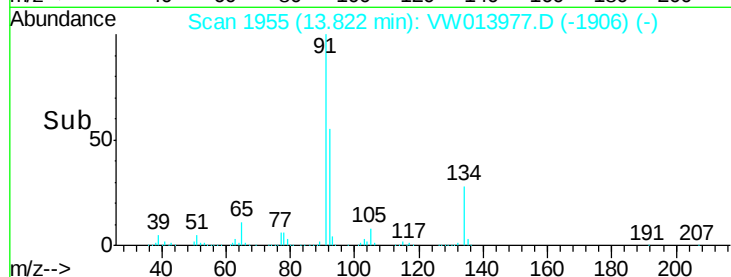
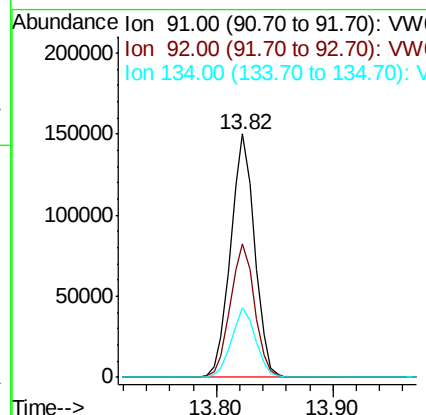
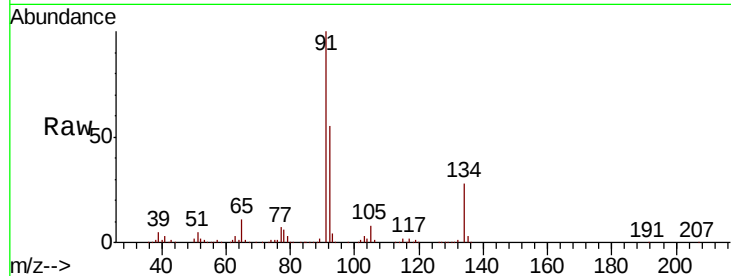
#89
n-Butylbenzene
Concen: 21.545 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.4
134	28.6	14.0	41.9

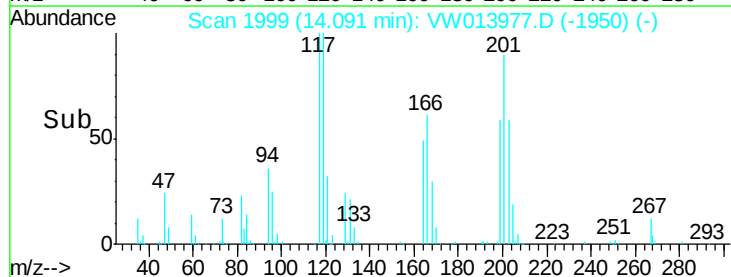
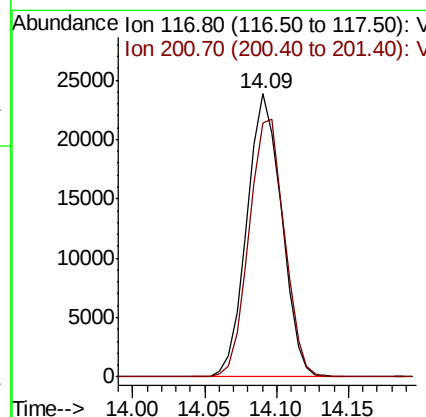
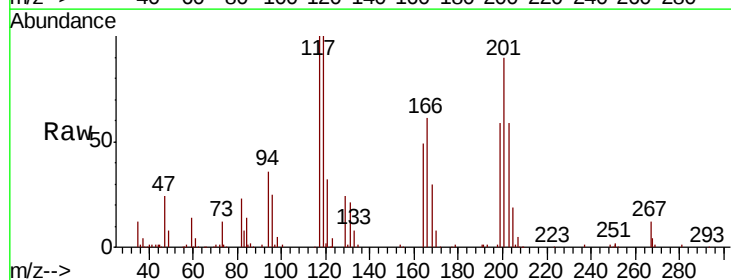
Manual Integrations
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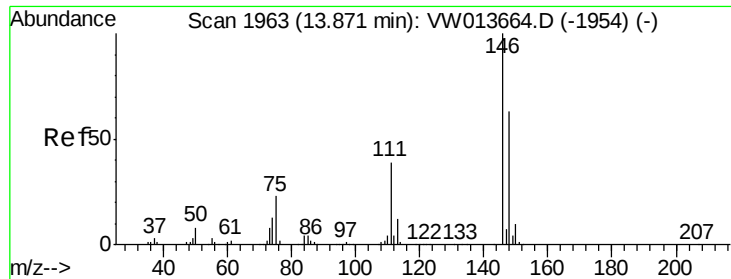
MMDadoda
11/13/2019 9:33:25 AM



#90
Hexachloroethane
Concen: 20.686 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	46.1	138.2





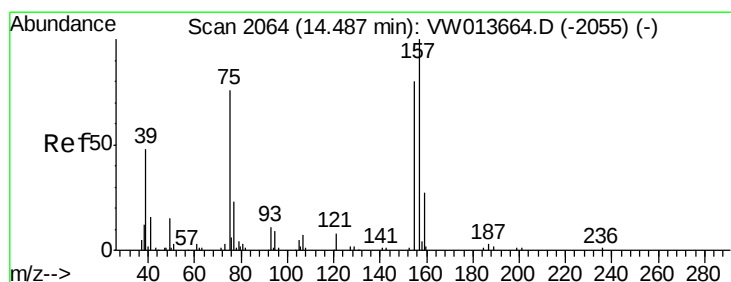
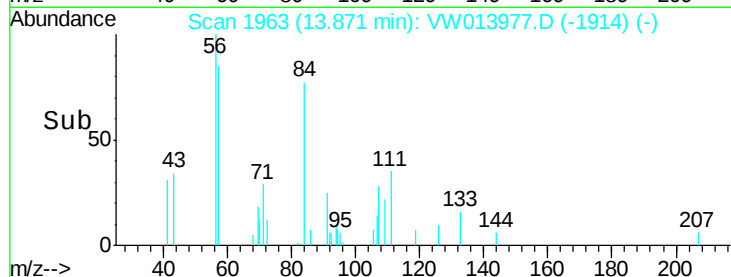
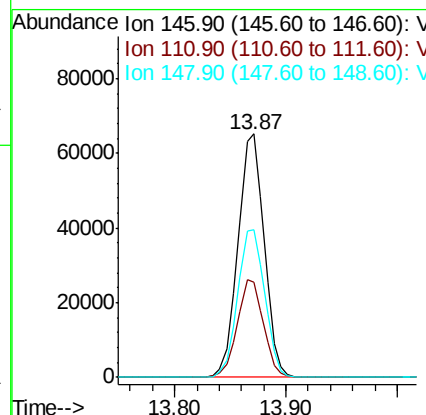
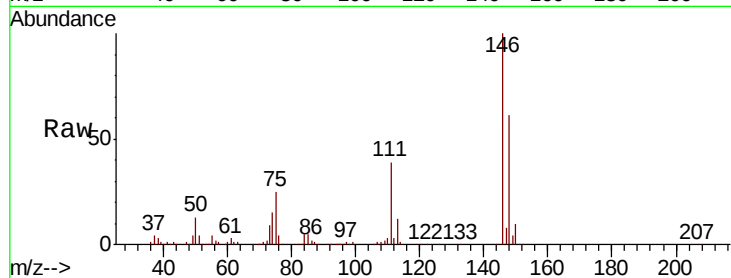
#91
 1,2-Dichlorobenzene
 Concen: 22.798 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	62.8	31.9	95.9

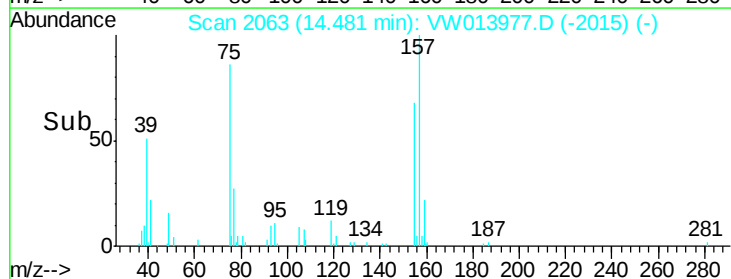
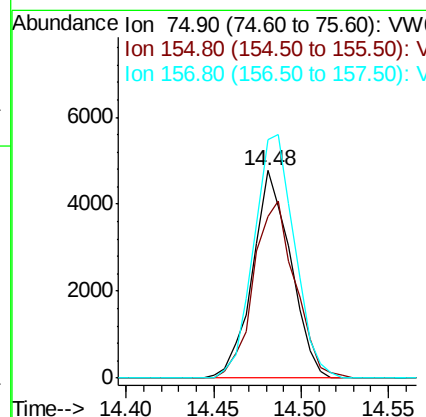
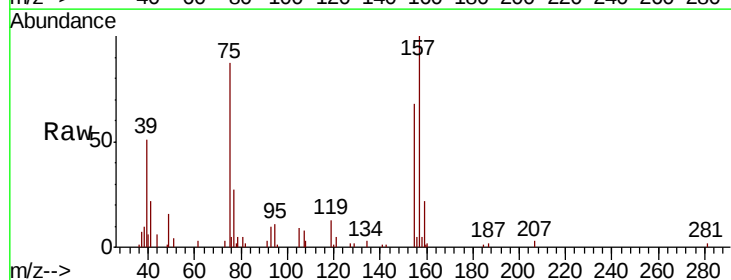
Manual Integrations
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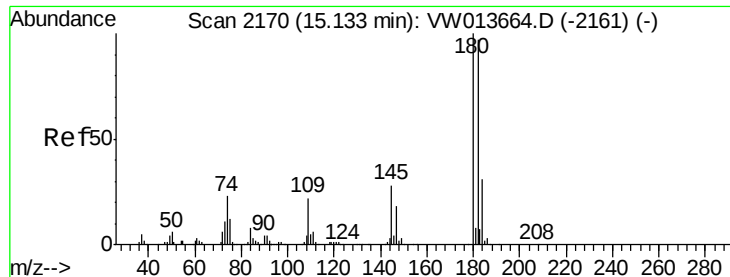
MMDadoda
 11/13/2019 9:33:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.103 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	51.9	155.7
157	126.1	64.8	194.3





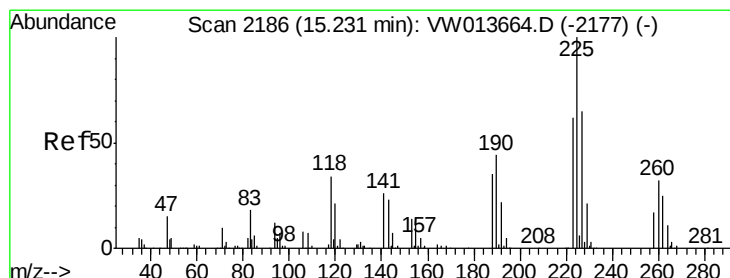
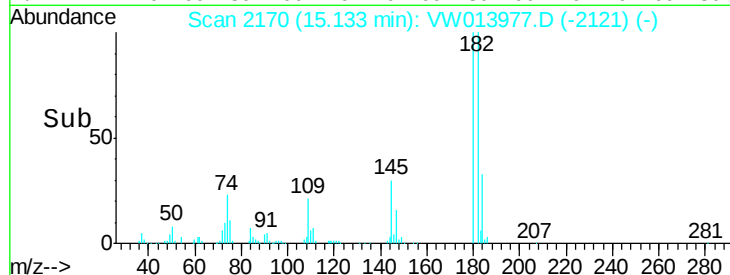
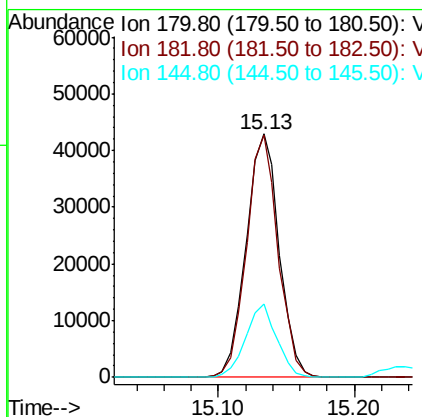
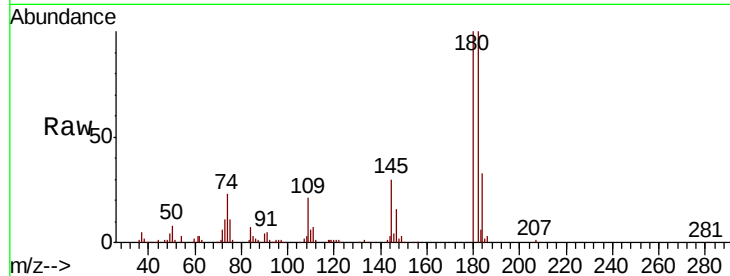
#93
 1,2,4-Trichlorobenzene
 Concen: 21.551 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72929		
182	95.3		47.4	142.2
145	28.5		14.1	42.3

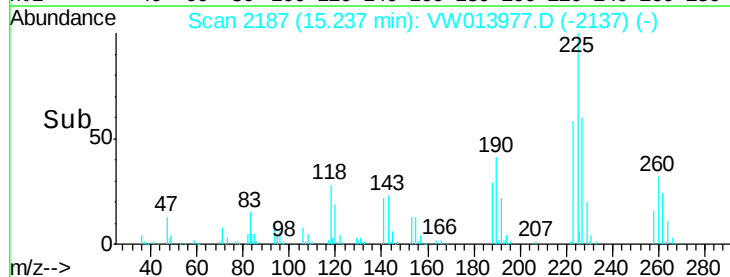
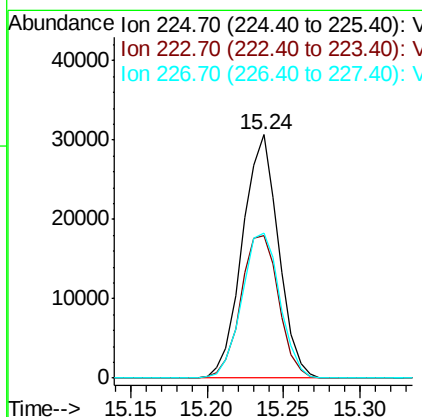
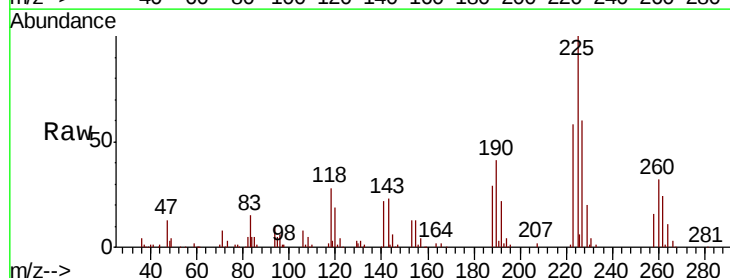
Manual Integrations
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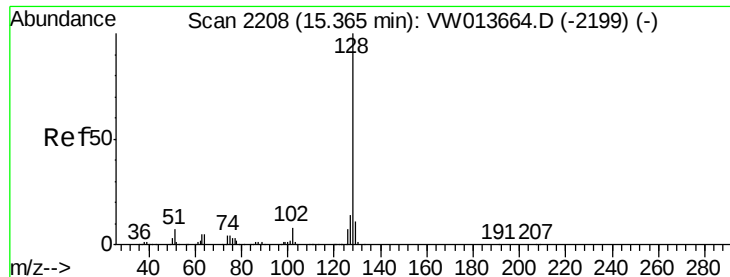
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 11/13/2019 9:33:25 AM



#94
 Hexachlorobutadiene
 Concen: 22.016 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013977.D
 Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50295		
223	61.6		31.9	95.9
227	62.9		32.5	97.4





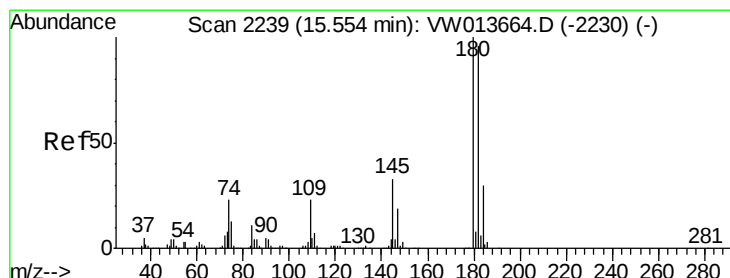
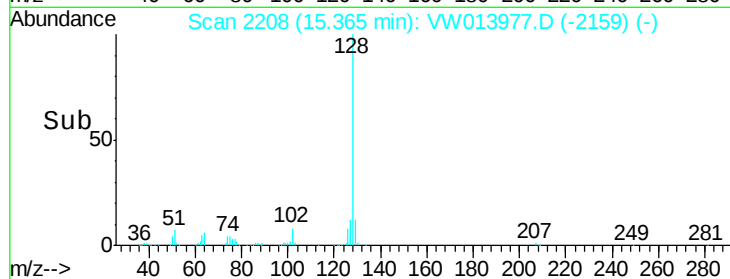
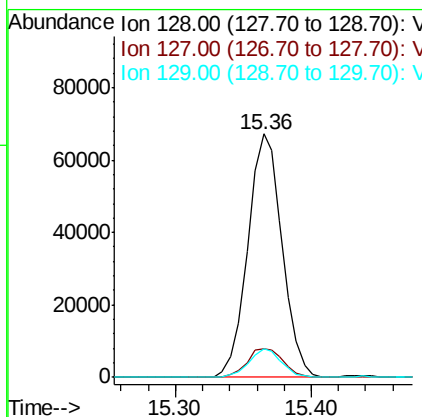
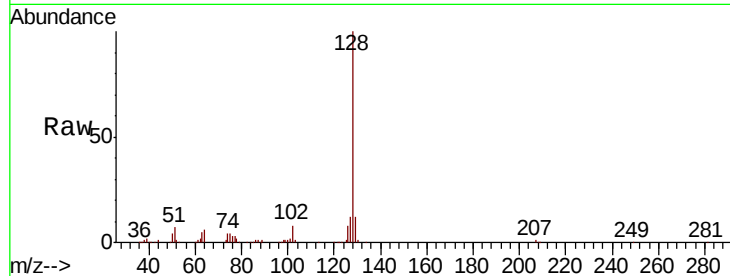
#95
Naphthalene
Concen: 22.361 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
VW1112SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	11.4	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.467 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013977.D
Acq: 12 Nov 2019 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.4	142.3
145	31.3	14.9	44.9

